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Generalized optimization procedure for rotational magnetized direction permanent magnet thrust bearing configuration

Siddappa Iranna Bekinal[1], Mrityunjay Doddamani[2], Mohan Vanarotti[1] and Soumendu Jana[3]

Abstract

Optimization of rotational magnetized direction permanent magnet thrust bearing configuration is carried out using generalized three-dimensional mathematical model. The bearing features namely axial force and stiffness are maximized using in-house developed mathematical expressions solved using MATLAB. The design variables selected for the optimization are axial offset, number of ring pairs, air gap and inner radius of inner and outer rings. The maximized axial force values of the optimized configuration are validated with the finite element analysis results. To overcome the high computational cost associated with three-dimensional equations, generalized method of optimization is sucessfully demonstrated using plots representing variation of optimal design variables as a function of air gap with respect to bearing's outer diameter. Simple and useful method of using the generalized plots for the process of optimization is presented by dimension optimization of representative bearing configuration with a particular aspect ratio. The proposed optimization using mathematical model and generalized approach assists designer in selecting optimized geometrical parameters of rotational magnetized direction thrust bearing configurations easily for variety of high-speed applications.

Keywords

Permanent magnet thrust bearing, optimization, control volume, axial stiffness, axial force

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Introduction

Increase in the utilization of permanent magnet (PM) bearings for both low[1–4] and high-speed[5–8] applications drives the researchers for detailed and critical analysis in design and optimization of bearing characteristics alongside the ease of manufacturing them. Many authors contributed towards the design in terms of two-dimensional (2D) analytical equations for bearing features using dipole[9–12] and Amperian methods.[13] Neverthless, curvature effect of rings is not addressed in their investigations. This necessitates the development of semi-analytical[14–18] models by incorporating the curvature effect. Lijesh and Hirani[19] modified 2D equations by considering the influence of the geometrical parameters on force and stiffness using statistical analysis and presented the optimization for radial load in a single-layer axially polarized radial permanent magnet bearing (PMB). Optimization of axially magnetized stack structured radial passive magnetic bearing is carried out by the Moser et al.[20] for maximum stiffness in a given control volume using 2D finite element analysis (FEA). The PM thrust bearings made of axially polarized multi-rings are optimized for maxiumum stiffness as well as axial force in Bekinal et al.[21] for a given control volume using 3D equations. Xu et al.,[22] Marth et al.,[23] Yoo et al.,[24] Safaeian and Heydari,[25] and Bekinal et al.[26] used 2D equations to optimize the conventional as well as Halbach PMB configurations. In the recent past, optimization is carried out by Beneden et al.[27] for all topologies of the PM thrust

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Multi-objective optimization of stacked radial passive magnetic bearing

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Abstract

Modeling, design, and optimization for performances of passive magnetic bearings (PMBs) are indispensable, as they deliver lubrication free, friction less, zero wear, and maintenance-free operations. However, single-layer PMBs has lower load-carrying capacity and stiffness necessitating development of stacked structure PMBs for maximum load and stiffness. Present work is focused on multi-objective optimization of radial PMBs to achieve maximum load-carrying capacity and stiffness in a given volume. Three-dimensional Coulombian equations are utilized for estimating load and stiffness of stacked radial PMBs. Constraints, constants, and bounds for the optimization are extracted from the available literature. Optimization is performed for force and stiffness maximization in the obtained bounds with three PMB configurations, namely (i) mono-layer, (ii) conventional (back to back), and (iii) rotational magnetized direction. The optimum dimensions required for achieving maximum load without compromising stiffness for all three configurations is investigated. For designers ease, equations to estimate the optimized values of load, stiffness, and stacked PMB variables in terms of single-layer PMB are proposed. Finally, the effectiveness of the proposed method is demonstrated by considering the PMB dimensions from the available literature.

Keywords

Magnetic bearing, conventional configuration, rotational magnetized direction configuration, multi-objective optimization

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Introduction

Friction and wear are very common phenomena in components with sliding mode. Conventional roller or journal bearings are used to minimize energy losses due to friction and performance deterioration owing to wear. However, systems can further benefit from a greater reduction of friction and wear between tribo-pairs with passive magnetic bearings (PMBs) usage. These PMBs provide noncontact, maintenance-free, frictionless, and lubrication-free operations[1] due to which their implementation in applications such as molecular pumps,[2] machine tool spindles,[3] turbines,[4] flywheels,[5] control moment gyroscopes (CMG),[6] etc., has augmented. It is desirable for the PMBs to possess both higher load-carrying capacity and stiffness as far as static and dynamic performances are concerned. Figure 1(a) (Configuration 1) presents single-layer PMBs wherein polarizations of the rotor and stator magnets are same i.e. either axially or radially polarized.[7] However, such type of bearing possesses low load-carrying capacity and stiffness, which can be enhanced by stacking numbers of single-layer PMBs in the axial direction.[8,9] Two different configurations of stacked PMBs are available: (i) Configuration 2 (back to back as seen in Figure 1(b)) and (ii) Configuration 3 (rotational magnetized direction (RMD) as presented in Figure 1(c)).[10] Configuration 2 is achieved by arranging axial/radial polarized magnets back to back (Figure 1(b)), while both radially and axially polarized magnets are used to achieve Configuration 3 (Figure 1(c)). PMB are classified based on the direction of loading i.e. in axial and radial modes. Present work is focussed on bearing performance of radial PMBs.

The force and stiffness developed by a stacked radial PMBs depends on (i) the number of stack and

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Compressive behavior of cenosphere/epoxy syntactic foams in arctic conditions

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ABSTRACT

In this paper, the effects of arctic condition on the compressive response of ceno-sphere/epoxy syntactic foams are investigated. Understanding the behavior of such foams under extreme conditions is critical for exploring their suitability for constructing lightweight platforms used in arctic explorations, which are exposed to subzero temperatures for extended periods of time potentially degrading their mechanical properties. In the research study presented here, samples of cenosphere/epoxy syntactic foams were conditioned under arctic environment at a temperature of −60 °C for a period of 57 days. Compression tests were then conducted at room temperature as well as in-situ −60 °C on the conditioned samples and compared against unconditioned samples tested at room temperature. Combinations of surface modification and cenosphere volume fractions were considered. For the case of unconditioned samples, compressive strength decreased with increasing cenosphere volume fraction for both surface modified and unmodified cenospheres. For the arctic conditioned samples, cenospheres/epoxy foams did not present visible signs of degradation prior to testing, but manifested a reduction in compressive modulus in a range of 47–57% and 47–65% for untreated and treated cenospheres/epoxy syntactic foams as compared to their unconditioned counterparts. On the other hand, the compressive strength increased in a range between 32–68% for untreated and 59–80% for treated cenosphere foams in arctic environment, which can be attributed to the matrix hardening introduced by frigid in-situ environment. Also, under in-situ arctic compressive loading, the post peak response for all foam types have shifted from a progressive failure to a brittle type behavior.

1. Introduction

Sandwich composites have gained significant importance in recent years in the context of replacing conventional engineering materials for naval applications due to favorable properties such as lightweight and the ability to tailor mechanical properties. These sandwich composites typically consist of a lightweight core which is sandwiched between two fiber-reinforced laminated facesheets in order to provide the basis for a strong and stiff structure. Closed-cell low-density polymeric foams are targeted for naval crafts as they are ideal for such applications. Naval structural materials are typically exposed to critical conditions for extended periods of time, which can be detrimental to the mechanical properties. Few commonly experienced conditions are exposure to sea water, temperature changes in the water, wave impact, etc. Further, with increased interest in arctic exploration, these materials could be exposed to harsh conditions of the arctic region [1–5]. Therefore, it is of utmost importance to understand how such materials behave under these extreme conditions. The focus of the present work is on exploring the behavior of a foam core material, called syntactic foams, under arctic exposures.

Syntactic foams are closed cell composite foams, which consist of hollow microspheres dispersed in a matrix resin [6]. Given the advantage of syntactic foams over other materials due to their tailor made properties [6,7], these foams have been employed in distinct engineering structural applications like ribs, hulls and decks of ships for marine exploration. Researchers in recent past have investigated the behavior of syntactic foams with engineering glass microballons as the filler material [8–10]. Sodalime-borosilicate glass is a major constituent of these engineered glass particles. However, it has been shown that the degradation of such syntactic foams is due to dealkalization of glass [11]. In the present study, cenospheres are used as filler material in the foams. These are hollow particles of fly ash, which are an industrial

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Effect of arctic environment on flexural behavior of fly ash cenosphere reinforced epoxy syntactic foams

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ABSTRACT

In this paper, the effect of arctic conditions on the flexural response of cenosphere/epoxy syntactic foams is investigated. Understanding the behavior of such foams under extreme conditions is critical for exploring their suitability for constructing lightweight platforms used in arctic explorations. Such platforms are exposed to subzero temperatures for extended periods of time potentially degrading their mechanical properties. In the research study presented here, samples of cenosphere/epoxy syntactic foams were conditioned under arctic environment at −60 °C temperature for a period of 57 days. Flexural tests were then conducted at room temperature as well as in-situ −60 °C on the conditioned samples and compared against unconditioned samples. Combinations of surface modification and cenosphere volume fractions were considered. Experimental findings showed that an increase in flexural modulus can be observed at room temperature with increasing cenosphere volume content for both untreated and treated cenosphere reinforced syntactic foams. In contrast, a decrease in flexural strength was observed as compared to neat resin. For the case of arctic exposed samples, an apparent increase in flexural modulus was recorded between 7-15% as compared to room temperature cenospheres/epoxy syntactic foams. In addition, an apparent increase of 3–80% in the flexural strength was observed under arctic environment. The conditioning of cenosphere/epoxy syntactic foams under low temperatures manifested lower strains to failure as compared to neat epoxy and they exhibit quasi-brittle behavior leading to sudden failure in the post peak regime.

1. Introduction

Sandwich composites with foam cores are of interest in applications like aircraft and naval applications. These foam cores are typically made from closed-cell and low-density polymers and are sandwiched between fiber-reinforced polymeric composite facesheets. Such sandwich constructions are extremely lightweight, which increase the buoyancy of the ship-structures. However, extended period of exposure to sea environment in marine applications often results in mechanical property degradation due to moisture absorption and temperature variations in these materials. Structural components in arctic marine applications encounter these major concerns and are the focus of the present work. Dispersion of hollow microballoons/microspheres in resin matrix forms a special class of composite known by name syntactic foams [1,2]. The spectrum of engineering applications of these foams is very broad as elaborately discussed by Gupta et al. [3–5]. Components like boat decks, ribs, hulls and floatation modules are some of the widely known and proven applications in naval structures. Nevertheless, syntactic foams are also utilized in remotely or humanly operated vehicles used for sea explorations. These closed cell foams are also promising material systems in pipelines laid deep in sea demanding thermal insulation [6].

Developing structure-property correlations and understanding failure mechanisms therein in tailoring syntactic foam properties for various applications has been extensively dealt with in the past decade [7–10]. Thermal and electrical behavior of syntactic foams [11–14] have also been investigated in addition to mechanical properties. Further, syntactic foams reinforced with micro and nano scale fillers (fiber and particle) have been studied extensively, which were beneficial towards tailoring the properties as compared to plain syntactic foams [15,16]. Recently thermoplastic foams have been developed using industrial scale injection molding machine [17–23], compression molding [24], 3D printing [4,5] and characterized for mechanical properties. These closed cell foams are tested under 3 point bending in flexural

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Effect of cenosphere filler surface treatment on the erosion behavior of epoxy matrix syntactic foams

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Influence of cenosphere surface modification and volume fraction on the solid particle erosion of cenosphere/epoxy syntactic foams is investigated. Fly ash cenospheres are used as filler in both as received and silane surface modified configurations. Erosion behavior is studied at room temperature for different impact angles (30, 45, 60, and 90°) and velocities (30, 45, and 60 m/s). Neat epoxy shows the highest erosion rate compared with that of the syntactic foams. Results show a strong dependence of impact angle and velocity on erosion rate of syntactic foams. With increasing cenosphere content erosion rate decreases for all impact angles. Erosion rate decreases with increasing impact angle and with decreasing velocity. Good interfacial bonding of treated cenospheres enhances the erosion resistance. All the samples exhibit ductile erosive behavior, with maximum erosion at 30°. The velocity exponent and erosion efficiency parameters confirm the ductile behavior of syntactic foams. POLYM. COMPOS., 2018. © 2018 Society of Plastics Engineers

INTRODUCTION

Weight sensitive structures require materials with high specific properties, which have led to development of lightweight syntactic foam composites. Syntactic foams are composites formed by dispersing hollow particles in the matrix resin. Automobile, aerospace and marine applications extensively use such foams due to their excellent specific properties [1–3]. Generally, reinforcements in polymers are used for a variety of reasons such as reducing the use of expensive resin, density control and tailoring optical, thermal, mechanical and electrical properties. The inclusion of such particulate fillers into polymers is primarily targeted at cost saving and improvement in specific properties [4–6]. Synergistic effects of higher modulus and reduced material cost are observed by incorporating hard filler particles into polymers [7]. Fly ash is one such filler, which is a waste by-product derived from thermal power plants [8,9]. It contains hollow particles called cenospheres [10,11] which comprises alumina, silica and iron oxides as the main constituents. Fly ash disposal is a challenge and finding beneficial usage of this industrial waste material in synthesizing syntactic foams can provide high performance composites at low cost [9,12–14]. Fly ash cenospheres are used to develop hybrid syntactic foams of metal with clay with focus on wear resistant applications [15]. Presence of cenospheres in cement paste lowers moisture absorption making them most suitable in construction sector [16]. In structural applications in vehicles, these foams can come across a verity of loading conditions, including erosion, which is the focus of this work.

Progressive removal of material from a target surface owing to the repeated impact of solid particles is termed as erosion [17]. Erosion depends on a number of factors like the physical and chemical properties of the erodent, surface morphology of constituents material system under investigation, filler content and the experimental conditions used [18]. Interaction of erodent with the specimen and the rebounding effects at the interface occur simultaneously during erosion. The resistance to erosion for various types of polymers and their composites has been studied by a number of researchers [19,20]. It is reported that the solid particle erosion is governed by the impingement angle, particle size, shape and hardness [21].

Although, extensive reports are available on the erosive behavior of composites [17,22–24], studies on syntactic foams are scarce. This work is carried out to investigate the erosion behavior of cenospheres reinforced syntactic foams. The study parameters include filler content, impingement angle and impact velocity. Further, results of as received and silane-treated cenosphere filled epoxy foams are compared with determine the effects of particle surface coating

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Influence of surface modification on wear behavior of fly ash cenosphere/epoxy syntactic foam

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ABSTRACT

The present study deals with investigating the surface modification effect of fly ash cenosphere (as received and surface treated) on the friction and wear response of epoxy syntactic foams. Such lightweight syntactic foams have the potential in using them as tribo-materials for friction applications like in brake pad composites. This study also addresses the environmental linked disposal issues of fly ash cenospheres by incorporating them (up to 60 vol%) in the epoxy matrix. Cenosphere content and surface modification influence on the friction and wear response of cenosphere/epoxy syntactic foams is investigated against EN31 steel disc under dry sliding conditions. Wear behavior is studied at room temperature for different velocities (2 and 5 m/s), applied loads (30 and 50 N) and sliding distances (3, 5 and 7 km). Neat epoxy exhibits maximum wear rate as compared to foams. Wear rate decreases with increasing sliding distance and cenosphere content at all tested conditions. With the increase in the applied load and the sliding velocity, higher wear rate is noted for neat epoxy samples while it decreases with increasing filler loading. Surface modified cenosphere reinforced foams exhibit better wear resistance compared to as received cenosphere dispersed foams and neat epoxy for all the operating conditions owing to the good interfacial bonding of treated cenospheres with epoxy matrix. Specific wear rate decreases significantly with an increase in applied load. Further, the coefficient of friction decreases with higher filler loading and surface modifications. Scanning electron microscopy is used to study the wear mechanisms. Wear debris is analyzed and disc temperature is also reported. Finally, wear rate results are summarised and compared with the data available from literature and are presented in a property map.

1. Introduction

Weight sensitive structures demand higher specific properties necessitating the usage of lightweight polymer matrix composites like syntactic foams. Syntactic foams are realized by infusing hollow microballoons in the matrix resin and find applications in naval, transportation and aerospace components because of better damage tolerance coupled with lower weight [1,2]. Other applications of these closed cell foams include buoys, underwater vehicle components, buoyancy modules and sports goods [3,4]. Syntactic foams have also been explored for automotive brake lining applications as friction materials [5]. Although polymer syntactic foams are being widely investigated for developing lightweight components/structures in weight sensitive regime, friction and wear behavior investigations are seldom reported when compared with solid particulate filled composites targeted as tribo-materials for friction applications, like in brake pads. As wear is the most common phenomena in such applications, there is an increasing thrust in developing materials with higher specific properties keeping lower constituent costs and processing therein [6,7]. Wear mechanisms are influenced by constituent materials, geometry, processing conditions, surface modification, filler content etc., necessitating an understanding of their influence on structure-property correlations. Lower cost of the fillers is governed by high volume availability. One such inexpensive, environmentally pollutant filler is fly ash. Thermal power plants are the source of fly ash and are a waste by-product needing effective disposal [8–10]. Cenosphere (hollow microballoon) is the major constituent in fly ash [11,12]. SiO_2, Al_2O_3 and Fe_2O_3 forms nearly 90% of the total cenosphere composition. Other compounds such as K_2O, MgO, CaO, TiO_2, and Na_2O are present in negligible quantities. Cenospheres comprise ceramic elements like silica and alumina as the primary constituent elements [13]. Low density fly ash cenospheres are very beneficial to attain higher strength to weight ratio [14,15]. Addition of aluminum oxide, silicon carbide (constituent element of cenosphere), copper oxide, titanium dioxide, zinc oxide and zirconium dioxide in polymers significantly improve the wear resistance [16–20]. Fly ash cenospheres are spherical in shape, readily

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Experimental and Parametric Optimization of Micro Holes on ANSI 304 Using Micro Abrasive Jet Machining (MAJM)

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Abstract

Micro Abrasive jet machining (MAJM) is one of the most convenient micromachining technologies for hard and brittle materials. Now a day's mostly ceramics and semiconductor materials are used for manufacturing electronic devices and micro fluidic channels. This process is having various distinct advantages, as compare to other micro-fabrication techniques this method is represented a very high erosion rate. In this paper attempt has been made to develop MAJM for difficult to machine materials such as stainless steel ANSI 304 plate. In order to raise the machining productivity of micromachining, the new design and fabrication of Laval nozzle has been first reported. Circular cross sectional nozzle is developed for high velocity, precise etching and patterning on difficult to machine material such as stainless steel ANSI 304 Plate. The present study focus the effect of different parameters like air pressure, abrasive material, abrasive mesh size, nozzle diameter, guiding pressure and Standoff distance on machining performance is investigated using Taguchi's Design of Experiment methodology. Analysis of variance (ANOVA) is implementing to find out the significant influence of each factor.

Keywords: ANOVA; Difficult to machine material; Laval nozzle; MAJM; Taguchi Methodology

1. Introduction

The current manufacturing stage demands for high accuracy Machining processes due to the micro scale of mechanical as well as electronic components with complicated shapes. The ultimate goal of the producers is to create

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Design and Analysis of Power Drive System of Calcination Drum

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Abstract :- Solid wastes are categorized in two types viz. wet and dry solid waste. Wet solid waste can be used for producing different usable gases with the help of different waste management method. One of the popular methods for waste management is rotary calcination drum method which is consisting of rotary calcination drum which rotates the waste inside it. As the size of the calcination is larger than the usual drums, therefore is a tedious task to rotate the calcination drum. For the rotating calcination drum, here required to develop the power drive system. Power drive system consists of the gear pairs, shafts, bearing and coupling. In this work we carried our design of gears, shaft along with selection of the bearing. Then analysis will be done by using FEM method. Main objective of this paper is study of the gear drive which is important part of calcinations drum and power drive system.

1.Introduction

Solid waste can broadly be classified into two categories. Commercial and domestic wastes generated in a municipal or notified area in either solid or semi-solid form excluding industrial hazardous wastes but including treated bio-medical wastes. Solid waste also includes hazardous waste generated by various industries. Municipal Solid Waste (MSW) can further be classified into biodegradable waste (such as food and kitchen waste); recyclable materials (such as paper, glass, bottles, metals and certain plastics) and domestic hazardous waste (such as medication, chemicals, light bulbs and batteries).

The management of solid waste typically involves its collection, transport, processing and recycling or disposal. For generation of energy from municipal solid waste the device named 'Calcination Drum' is developed by Engineers. There are some norms, rules and regulations must have to follow by municipal corporation committee for reuse, recycle and utilization of Municipal sewage solid waste.The obtained data, results and observations certain problems were occurs like: Failure of support roller assembly, Failure of power drive system, Design problems with supporting structure etc. In this paper we focused on gear which is used in power drive system.

2. Design of power drive system

In the power drive system which consists of the gear pairs, shafts, bearing, motor. For this system spur gear is used. The motor is available with a worm and worm wheel gearbox which reduces the speed to

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ORIGINAL ARTICLE

Synthesis of novel probe 2-chloro-6-methoxy-3-phenyl hydrazone quinoline and its application to detection of persulphate in aqueous ethanol solution by fluorescence turn on

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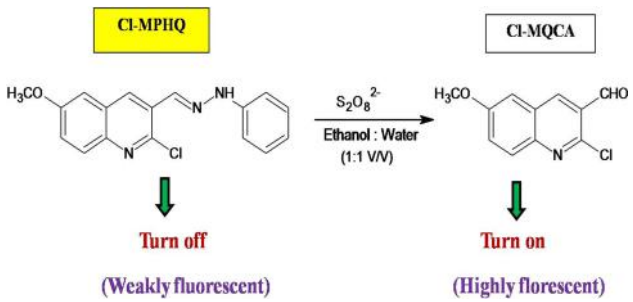
Abstract

A highly sensitive and selective fluorimetric detection method has been developed for persulphate anion using fluorescence turn on of 2-chloro-6-methoxy-3-phenyl hydrazone quinoline (Cl-MPHQ) in aqueous ethanol solution. Cl-MPHQ is a weakly fluorescent compound synthesized via a one-step reaction of 2-chloro-6-methoxyquinoline-3-carboxyaldehyde (Cl-MQCA) and phenyl hydrazine. The treatment of Cl-MPHQ with persulphate ion in aqueous ethanol solution (1:1 V/V) generates fluorescent Cl-MQCA, through C=N bond cleavage. The fluorescence intensity increased linearly with the concentration of persulphate ion (0–100 µmol L^{-1}). The detection limit of the method is 1 µmol L^{-1}determined from the standard deviation of the blank signal (3σ). The relative standard deviation of the method is 3% for 20 µmol L^{-1} of persulphate ion. The proposed method is simple, sensitive and useful for selective detection of persulphate ion in an aqueous ethanol solution.

Graphical Abstract



Keywords 2-Chloro-6-methoxy-3-phenyl hydrazone quinoline · Fluorescence turn on · Persulphate ion detection

Introduction

Persulphate anion ($S_2O_8^{2-}$) is a strong, two-electron oxidizing agent with a redox potential of 2.01 V [1]. Persulphate widely used for chemical oxidation of organic contaminants in polluted soil, ground-water and wastewater [2–11]. Persulphate salts have many uses, such as bleaching of textiles and natural fibers, removal of thiosulphate anions from photographic plates, initiators for olefin polymerization and etching of printed circuit boards and photo resists [12]. The analytical methods available for the determination of persulphate include iodometry and spectrophotometry [5, 13–16].

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ON A NEW SUBCLASS OF GOODMAN-RØNNING-TYPE HARMONIC UNIVALENT FUNCTIONS DEFINED BY MULTIPLIER TRANSFORMATION

Santosh Joshi, Sayali Joshi and Haridas Pawar

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In the present paper, we introduce a new subclass of harmonic functions that are orientation preserving and univalent in the open unit disk U and are related to Goodman-Rønning-type uniformly convex functions by using multiplier transformation. Coefficient estimates, distortion bounds, extreme points, convolution condition and convex combination for functions belonging to this class are determined.

1. Introduction

A continuous function $f = u+iv$ is a complex-valued harmonic function in a simply connected domain D if both u and v are real harmonic in D. In any simply-connected domain we can write

$$f = h + \bar{g}, \tag{1.1}$$

where h and g are analytic in D. We call h as the analytic part and g the co-analytic part of f. A necessary and sufficient condition for f to be locally univalent and sense-preserving in D is that $|h'(z)| > |g'(z)|$ in D. For more basic results on harmonic functions one may refer to the Clunie and Sheil-Small [6] and Duren [7]. After the work of Clunie and Sheil-Small [6], authors like Aouf [1, 2], Ahuja [4], Silverman [15], Silverman and Silvia [16], Jahangiri [8], Jahangiri et al. [9], Al-Shaqsi

2010 Mathematics Subject Classification: 30C45, 30C50.
Key words and phrases: harmonic univalent function; mutiplier transformation; coefficient estimates.

Optimization of Axially Magnetized Stack Structured Permanent Magnet Thrust Bearing Using Three-Dimensional Mathematical Model

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This work deals with optimization of axially magnetized stack structured permanent magnet (PM) thrust bearing using generalized three-dimensional (3D) mathematical model having "n" number of ring pairs. The stack structured PM thrust bearing is optimized for the maximum axial force and stiffness in a given cylindrical volume. MATLAB *codes are written to solve the developed equations for optimization of geometrical parameters (axial offset, number of ring pairs, air gap, and inner radius of inner and outer rings). Further, the results of proposed optimization method are validated using finite element analysis (FEA) and further, generalized by establishing the relationship between optimal design variables and air gap pertaining to cylindrical volume constraint of bearing's outer diameter. Effectiveness of the proposed method is demonstrated by optimizing PM thrust bearing in a given cylindrical volume. Mathematical model with optimized geometrical parameters dealt in the present work helps the designer in developing PM thrust bearings effectively and efficiently for variety of applications.* [DOI: 10.1115/1.4034533]

Introduction

High-speed applications [1–3] demand for optimal design and selection of bearings for contactless drive, zero maintenance, higher reliability, lower vibration, and reduced noise levels. Passive magnetic bearings (PMBs) are the potential devices addressing these issues effectively and efficiently. These bearings are realized by arranging axially and/or radially magnetized PM rings [4–6]. In the recent past, researchers elaborately discussed force and stiffness characteristics of PM bearing with one ring pair with two-dimensional (2D) analytical [7] or 3D semi-analytical [8–11] equations using Coulombian or Amperian approaches. Yonnet et al. [12] addressed low stiffness or force associated with PM bearing with single ring pair by stacking the rings in alternate oppositions. Further, 2D analytical equations for force and stiffness in stack structured PM bearing configurations with n number of ring pairs are presented [13,14]. Though, 2D equations are simple to deal with reduced computational time, they lack precision [15–17] due to undermining curvature effect. This fact necessitates development of generalized 3D mathematical model in standard configurations of PM bearing with n number of ring pairs [18]. The stack structured PM bearings might replace conventional ball bearings or can be used in weight compensated high-speed applications requiring optimization for maximum force or stiffness in a given cylindrical volume. Lijesh and Hirani [19] have presented the optimization of radial axial polarized PMB with one ring pair for maximum load carrying capacity within minimum magnet volume. In this, optimization technique is used for lower stiffness or force with one ring pair. Optimization of repulsive passive magnetic bearings for maximum radial stiffness was presented by Moser et al. [20] using 2D FEA. Two-dimensional mathematical model to optimize the stack structured noncontact thrust bearing for maximum axial force with minimum magnet volume is discussed by Yoo et al. [21]. Studies on optimizing the stack structured PM bearings are limited to, either 2D FEA or mathematical expressions lacking precision as against 3D mathematical equations.

This work deals with modification and generalization of earlier presented 3D mathematical model [18] developed for axially, radially, and perpendicularly magnetized PMB's with n number of ring pairs. Mathematical expressions developed in Ref. [18] are generalized for axially magnetized stack structured PM thrust bearing and utilized for the optimization for maximum axial force and stiffness in a given cylindrical volume. MATLAB codes are developed to solve 3D equations to carry out the optimization for axial offset, number of ring pairs, air gap, and inner radius of inner and outer rings. Results from the mathematical model are compared with FEA and found to be in close agreement. Generalized method representing the relationship between optimized design variables and air gap for outer diameter of the bearing is also presented. Finally, the generalized plots are used to optimize the PM thrust bearing.

Permanent Magnet Thrust Bearing Configurations

The axially magnetized PM thrust bearing configurations with one ring pair (Fig. 1(*a*)) and stack structured configuration (Fig. 1(*b*)) in a given cylindrical volume with geometrical dimensions are presented in Fig. 1. The design variables considered for maximization of axial force and stiffness are axial offset (z), number of ring pairs (n), inner radius of inner rings ($R1$), inner radius of outer rings ($R3$), and air gap (g). The optimum values of these design variables at which axial force and stiffness are maximum are estimated using 3D mathematical model. The dimensions of PM thrust bearing with an aspect ratio (AR) ($L/2R4$) of 0.5 are

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Original Article

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A hybrid (permanent magnet and foil) bearing set for complete passive levitation of high-speed rotors

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Abstract

This paper presents the design and development of a hybrid bearing set for complete passive levitation of a typical rotor. A hybrid bearing set consists of permanent magnet thrust bearing and radial discrete bump foil bearings. The permanent magnet thrust bearing is made up of three pairs of ring magnets arranged in rotation magnetized direction. The mathematical model to determine the force and stiffness in rotation magnetized direction configuration is presented using Coulombian model and vector approach. Bump foil bearings are designed and developed for rotor weight to provide the radial support to the rotor system. The proposed bearing set with rotor is analysed using finite element analysis for rotor dynamic characteristics. The experiments are conducted on the fabricated rotor-bearing configuration by rotating the rotor up to the speeds of 40,000 r/min. The system response is acquired using advanced rotor-dynamic data acquisition system. The experimental results show that the rotor is completely airborne and stable at the desired speed.

Keywords

Foil bearings, permanent magnet thrust bearing, rotation magnetized direction, passive levitation and rotor dynamics

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Introduction

High-speed applications such as energy storage flywheels, turbo compressors, air cycle machines, etc. require support system, which can withstand at rated speed with lesser complications and power losses. Permanent magnet bearings and foil bearings are emerging as best suited candidates for high-speed applications. A passive magnetic bearing flywheel was presented by Siebert et al.[1] in which the rotor was supported by two sets of radial permanent magnet bearings operating in repulsive mode and jewel bearings on both ends of the rotor for the axial support. Mukhopadhaya et al.[2] fabricated a prototype model of a repulsive-type magnetic bearing system using a novel arrangement of permanent magnets for the application in the dairy industry. The magnetic bearing system is stable along the radial axis but is unstable along the vertical direction. A controlled electromagnet is used for controlling the rotor position along the vertical axis. A new permanent magnet repulsive type micromass measurement system was developed by Hussien et al.[3] The repulsive forces of the permanent magnet section are used effectively to keep the radial direction stable. A controlled electromagnet was used to stabilize the shaft in the axial direction. Sotelo et al.[4] have developed magnetic bearing sets for flywheel system. The bearing set consists of radial permanent magnet bearing and thrust superconducting magnetic bearing. In the existing literature, jewel bearings, active or super conducting magnetic bearings are used in addition to permanent magnet bearings for complete levitation of the rotor. The use of jewel bearings introduces friction and limits the operating speed. The system will be complicated with electronic equipments, refrigeration system by the use of active and super conducting magnetic bearings. An alternate option, "a new passive hybrid bearing set", composed of permanent magnet thrust bearing (PMTB) and radial foil bearings has been proposed for complete passive levitation of the rotor. Coulombian model and vector approach are used to develop mathematical model for force and

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A Pragmatic Optimization of Axial Stack-Radial Passive Magnetic Bearings

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Passive magnetic bearing's (PMB) adaptability for both lower and higher speed applications demands detailed and critical analysis of design, performance optimization, and manufacturability. Optimization techniques for stacked PMB published in recent past are less accurate with respect to complete optimum solution. In this context, the present work deals with a pragmatic optimization of axially stacked PMBs for the maximum radial load using three-dimensional (3D) equations. Optimization for three different PMB configurations, monolithic, conventional, and rotational magnetized direction (RMD), is presented based on the constraints, constants, and bounds of the dimensions obtained from published literature. Further, to assist the designers, equations to estimate the mean radius and clearance being crucial parameters are provided for the given axial length and outer radius of the stator with the objective of achieving maximum load-carrying capacity. A comparison of the load-carrying capacity of conventional stacked PMB using the proposed equation with the equation provided in literature is compared. Finally, effectiveness of the proposed pragmatic optimization technique is demonstrated by analyzing three examples with reference to available literature. [DOI: 10.1115/1.4037847]

Introduction

Passive magnetic bearings (PMBs) developed from high remanent magnetic materials are considered to be the ideal maintenance free bearings, as they can be operated at high rotational speed without contact and lubricant [1,2]. A monolithic repulsive type PMB (Fig. 1(*a*)) consists of a rotor ring magnet positioned inside another stator ring magnet. In this configuration, polarizations of the rotor and stator magnets are same resulting in axially polarized magnets which are preferred due to availability and economics involved [3]. However, the load-carrying capacity of these PMB is lower and can be improved by stacking number of rings in the axial direction [4,5]. Stacking of rings is achieved in two different ways: (i) conventional (back to back) and (ii) rotational magnetized direction (RMD) [6]. PMB configurations are presented in Fig. 1. Conventional configuration (Fig. 1(*b*)) is materialized by arranging axial/radial polarized ring magnets, back to back, whereas both radially and axially polarized ring magnets are used to achieve RMD as shown in Fig. 1(*c*).

The force exerted on rotor by stator in stacked PMBs depends on number of stacks, bearing dimensions, and strength of the magnetic material [7]. Hence, it is essential to optimize force-dependent variables for maximizing load-carrying capacity prior to the development of stacked PMBs. Design of PMBs with two-dimensional (2D) analytical equations for estimating radial/axial force using is presented by many researchers [4,5,7,8]. In 2D equations, the cylindrical PMBs are considered as infinite parallelepiped magnets instead of cylinders. This consideration neglects the curvature of PMB and due to which the accuracy of the estimated values by 2D equation reduces with increase in radius of PMB [9] and cannot estimate the values of force with change of eccentricity. Therefore, in the present work, a three-dimensional (3D) equation is used to estimate the values of force. Lijesh and Hirani [7] modified 2D equations of Yonnet et al. [5] by incorporating effect of eccentricity and different rotor and stator widths on force through statistical analysis. However, their equation is valid only for few dimension ranges of PMBs. Recently, Van et al. [10] carried out optimization for all the topologies of a PM thrust bearing using 2D analytical equations, for maximizing force and stiffness. Nevertheless, their optimization was lacking completeness, as they have considered equal radial thickness of the rotor and stator magnets. Moser et al. [8] performed optimization using finite element analysis on the conventional stacked PMB for the maximum radial stiffness for a given control volume and provided set of equation to estimate the parameters of the conventional stacked PMB. However, discrete type of optimization is followed requiring more computational time and the equation is valid only if the ratio of clearance to outer radius of rotor is between 0.01 and 0.06. Using 3D numerical equations, Bekinal et al. [11] performed discrete optimization on conventional stacked PMBs for maximizing thrust load and stiffness. From the foregoing literature, the following observations are made:

(1) Complete optimization has not been performed on both types of stacked PMBs.
(2) Optimization for RMD stacked radial PMB has not been carried out.
(3) Complete optimizations have been performed for thrust bearing considering equal radial thickness of rotor and stator magnets.

These observations necessitate the authors to perform complete optimization on both types of stacked PMBs for radial load and understand the variation in the dimensions of PMBs for achieving maximum load. Thus, the objectives of the present work are:

(i) To perform a complete optimization by interior trust region optimization method on monolayer and both types of stacked PMBs for achieving maximum radial load. The optimization will be performed considering constant axial length of PMBs with different widths of stacked rings based on number of stacking. Three-dimensional Coulombian equations [12] are adopted for this. To define the constraints, constants, and bounds for the optimization, the dimensions of the PMBs from ten different literatures (inner and outer radii rotor and stator, the axial length of rotor and stator, axial offset, and clearance) [2,3,6,12–18] are considered. In the present work, optimization is performed by considering: inner radius of rotor means radius, clearance, axial offset, and axial length of PMB as variables and the outer radius of the PMB is considered as constant. The variation in the dimension of PMBs is studied.
(ii) To demonstrate the effect of different radial thicknesses of rotor and stator magnets, optimization is repeated for the equal radial thickness of the stator and rotor magnets. The

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Utilization of Low Computational Cost Two Dimensional Analytical Equations in Optimization of Multi Rings Permanent Magnet Thrust Bearings

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Abstract—Replacement of conventional bearings by passive magnetic bearings for high-speed applications, in terms of their performance will be effective, if the design is carried out by optimizing the geometrical dimensions in the given control volume. Present work deals with modification and utilization of two-dimensional (2D) analytical equations in optimization of multi rings permanent magnet (PM) thrust bearing configurations. Conventional and rotational magnetized direction (RMD) configurations are selected in optimizing the design variables for maximum bearing characteristics in a given volume with a constant aspect ratio. The design variables chosen for optimization are axial offset of rotor, number of rings, radial air thickness and inner diameter of the rotor and stator PM rings. MATLAB codes for solving 2D equations are developed in optimizing configuration variables. Further, optimized parameter values of the two configurations are compared. Finally, optimized results obtained using 2D and three-dimensional (3D) equations for the conventional configuration with same aspect ratio are compared, and conclusions are presented.

1. INTRODUCTION

PM bearings are the devices wherein shaft rotate without any contact with the support owing to magnetic force generated between permanent magnets. PM bearings are obtained by either axially or radially magnetized PM rings or combinations thereof [1, 2]. The features of bearings that are made of only two rings are smaller. It can be improved by using layers of rings, which can be stacked with a definite magnetization pattern. The axially and/or radially polarized ring magnets can be stacked in a specific pattern to obtain conventional, perpendicular, or Halbach magnetized configurations [3]. Such stackings increase the force and stiffness to a great extent. According to Earnshaw's theorem [4], complete passive magnetic levitation is not possible and stable equilibrium cannot be achieved. Thereby, at least one degree of freedom has to be controlled by some other means. Even then, these types of bearings are quite attractive and due to their advantages these have been used extensively in various applications like wind turbines, flywheel systems, ventricular assist device and spacecraft applications [5–7]. Tian et al. [8] have developed 2D analytical equations for axial and radial force in conventional and rotational magnetized stack structured PM bearings made up of 'n' number of ring pairs. Three dimensional equations for bearing features in multi rings PM bearings having possible kinds of polarization rings is presented by Bekinal and Jana [9] to overcome the curvature effect which is neglected in developing 2D equations. Increased utilization of PM bearing in different applications necessitates optimization of bearing characteristics and which is achieved by considering the effect of various parameters such as magnet volume, number of rings on rotor and stator, axial position of the

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ON A CERTAIN SUBCLASSES OF BI-UNIVALENT FUNCTIONS

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Abstract. In this paper, we introduce and study two new subclasses of bi-univalent functions in the open unit disk $U = \{z : |z| < 1\}$ and obtain bounds for the Taylor-Maclaurin coefficients $|a_2|$ and $|a_3|$. The result presented in this paper generalize the recent work of Srivastava et al. [9].

2010 *Mathematics Subject Classification*: 30C45.

Keywords: univalent function, coefficient estimates, bi-univalent function.

1. Introduction

Let A denote the class of functions of the form

$$f(z) = z + \sum_{k=2}^{\infty} a_k \ z^k \tag{1.1}$$

which are analytic in the unit disc $U = \{z : |z| < 1\}$. Let S denote the subclass of A, which consist of functions of the form (1.1) that are univalent and normalized by the conditions $f(0) = 0$ and $f'(0) = 1$ in U.

A function $f \in S$ is said to be starlike of order $\alpha(0 \leq \alpha < 1)$ if and only if

$$Re\left\{\frac{zf^{'}(z)}{f(z)}\right\} > \alpha, \ z \in U$$

and convex of order $\alpha(0 \leq \alpha < 1)$ if and only if

$$Re\left\{1 + \frac{zf^{''}(z)}{f'(z)}\right\} > \alpha, \ z \in U.$$

Denote these classes respectively by $S^*(\alpha)$ and $K(\alpha)$.

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Certain Subclass of Generalized Salagean-Type Harmonic Univalent Functions with Missing Coefficients

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Abstract. In this paper, we introduced a subclass of generalized Salagean-type harmonic univalent functions with missing coefficients in the unit disk U. We have established necessary and sufficient coefficient conditions, extreme points, distortion bounds, convex combination and radius of convexity for this subclass.

Keywords: Harmonic univalent function; Missing coefficients; Distortion theorem.

1. Introduction

A continuous complex-valued function $f = u+iv$ is defined in a simply connected domain D is said to be harmonic in D if both u and v are real harmonic in D.

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ON A CERTAIN SUBCLASS OF ANALYTIC FUNCTIONS WITH NEGATIVE AND FIXED SECOND COEFFICIENT

Abstract: In this paper, we introduce and study a new subclass of analytic functions with fixed second negative coefficient in the open unit disk $U = U = \{z : |z| < 1\}$. Coefficient estimate, distortion theorem, closure properties and radii of convexity for functions belonging to this class are determined.

Keywords: Univalent function, Coefficient estimates, Distortion theorem.

2010 Mathematics Subject Classification: 30C45.

Introduction

Let A denote the class of functions of the form

$$f(z) = z + \sum_{k=2}^{\infty} a_k z^k \tag{1}$$

which are analytic in the unit disc U= $\{z : |z| < 1\}$. Let S denote the subclass of A, which consists of functions of the form (1) that are univalent in U.

A function $f \in S$ is said to be starlike of order $\alpha (0 \le \alpha < 1)$ if and only if

$$Re\left\{\frac{zf'(z)}{f(z)}\right\} > \alpha, z \in U$$

Generalized Three-Dimensional Mathematical Models for Force and Stiffness in Axially, Radially, and Perpendicularly Magnetized Passive Magnetic Bearings With "n" Number of Ring Pairs

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This work deals with generalized three-dimensional (3D) mathematical model to estimate the force and stiffness in axially, radially, and perpendicularly polarized passive magnetic bearings with "n" number of permanent magnet (PM) ring pairs. Coulombian model and vector approach are used to derive generalized equations for force and stiffness. Bearing characteristics (in three possible standard configurations) of permanent magnet bearings (PMBs) are evaluated using MATLAB *codes. Further, results of the model are validated with finite element analysis (FEA) results for five ring pairs. Developed* MATLAB *codes are further utilized to determine only the axial force and axial stiffness in three stacked PMB configurations by varying the number of rings. Finally, the correlation between the bearing characteristics (PMB with only one and multiple ring pairs) is proposed and discussed in detail. The proposed mathematical model might be useful for the selection of suitable configuration of PMB as well as its optimization for geometrical parameters for high-speed applications.* [DOI: 10.1115/1.4032668]

Introduction

Permanent magnet bearings are magnetomechanical elements with interesting features like friction and lubrication free operation, low maintenance, long life, etc. Applications of PMB vary from low-speed, such as conveyor systems [1] to high-speed systems like flywheels, turbocompressors, and air cycle machines [2–4]. Yonnet [5,6] and Delamare et al. [7] proposed two-dimensional (2D) analytical equations for force and stiffness and synthesized different configurations of PMB. In Ref. [8], Yonnet et al. pointed out the feasibility of stacking of rings to increase the stiffness of PMB for two structures, namely, conventional and rotating magnetization direction (RMD). Paden et al. [9] also presented 2D analytical equations based on Amperian model for radial load, peak axial load, and stiffness for an axially magnetized stacked structured radial magnetic bearing. Equations presented in Refs. [6] and [8] are modified by Lijesh and Hirani [10] to design and optimize axially polarized radial passive magnetic bearing by incorporating eccentricity, rotor width, stator width, rotor length, stator length, clearance, and mean radius. Three-dimensional semi-analytical equations of the bearing characteristics in axially and radially magnetized PMB are presented by many researchers recently [11–13] for a one degree-of-freedom of the rotor (for different axial positions of the rotor). The effect of axial, radial, and angular displacements of the rotor magnet (five degrees-of-freedom) on the magnetic field [14], force, and stiffness [15–17] is presented in axially, radially, and Halbach magnetized PMB by developing 3D mathematical models in our earlier efforts. In the prevailing literature on 3D semi-analytical equations of bearing characteristics, researchers mainly focused on PMB with one ring pair. Developing generalized 3D equations in PMB with n number of ring pairs for force and stiffness is very crucial, thereby necessitating the development of 3D mathematical model for all the possible standard configurations of PMB with n number of ring pairs. In line to this fact, 2D analytical models of bearing characteristics in PMB with n number of ring pairs were presented by Tian et al. [18] and Marth et al. [19] for stacked structures using the virtual work principle and superposition theorem. Although optimization of the ring dimensions can be done with 2D analytical approach, it lacks precision [20–22] due to curvature effect.

This work deals with developing one generalized 3D mathematical model to estimate the force and stiffness in axially, radially, as well as perpendicularly polarized PMB with n number of ring pairs. MATLAB codes are written to solve force and stiffness equations for three different configurations, and FEA results are compared for five ring pairs. Furthermore, three different stacked configurations are analyzed for axial force and axial stiffness by varying the number of ring pairs from one to ten using the developed codes.

PMB Configurations

Passive magnetic bearings are realized by using axially, radially, and perpendicularly magnetized ring magnets. Three different bearing configurations, namely, (Fig. 1): PMB with (a) n axially polarized ring pairs arranged in opposition, (b) n radially polarized ring pairs arranged in opposition, and (c) n perpendicularly polarized ring pairs arranged in opposition (RMD structure)

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ON A SUBCLASS OF STARLIKE FUNCTIONS WITH FIXED POINTS

Abstract: A subclass $T_n^*(\alpha,\beta,\gamma)$ consisting of functions of the form $f(z)=z\sum_{k=2}^{\infty} a_k z^k, a_k \geq 0$ are considered. The subclass $T_n^*(\alpha,\beta,\gamma,z_0)$ for which $f(z_0)=z_0$ or $f'(z_0)=1, z_0$ real, is examined. The coefficient estimates, distortion theorem, radius of convexity and closure property are obtained for this class.

Keywords: Starlike Function, Fixed Points Distortion theorem, Radius of Convexity.

Mathematics Subject Classification: 30C45.

1. Introduction

Let A denote the class of functions of the form

$$f(z) = z + \sum_{k=2}^{\infty} a_k z^k \tag{1.1}$$

which are analytic in the unit disc $U=\{|z|:|z|<1\}$. Let S denote the subclass of A, which consists of functions of the form (1.1) that are univalent in U.

A function $f \in S$ is said to be starlike of order $\alpha(0 \leq \alpha < 1)$ if and only if

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Improving Performance of Text Summarization

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Abstract

Today, the tremendous information is available on the internet; it is difficult to get the information fast and most efficiently. There are so many text materials available on the internet, in order to extract the most relevant information from it, we need a good mechanism. Text summarization technique deals with the compression of large document into shorter version of text. Text summarizations choose the most significant part of text and create coherent summaries that state the main purpose of the given document. Extraction based text summarization involves selecting sentences of high relevance (rank) from the document based on word and sentence features and put them together to generate summary. This is modeled using Fuzzy Inference System. The summary of the document is created based upon the level of the importance of the sentences in the document. This paper focuses on the Fuzzy logic Extraction approach for text summarization and the semantic approach of text summarization using Latent Semantic Analysis.

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Keywords: Text summarization; Feature Extraction; Fuzzy logic; fuzzy rule; Latent Semantic Analysis.

1. Introduction

Before going to the Text summarization, first we have to know what a summary is. A summary is a short form of text that is formed from one or more texts that gives important information in the original text[1]. The purpose of automatic text summarization is presenting the source text into a shorter version with semantics[2]. Summary reduces the reading time. There are two types of text summarization methods which are classified into extractive and abstractive summarization[1]. An extractive summarization method is used for selecting important sentences,

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Chapter 90
Comparative Study of Prototype and Simulation of SVC for Transmission Congestion Management

Khatavkar Vrushali, Redekar Abhijeet and Dharme Anjali

Abstract In deregulated/restructured power system, congestion of electrical power is a major problem. The solution includes the management methodologies namely technical and pricing methods. The technical methods suggest the use of FACTS controllers to reduce the congestion without considering the economic matters. This work deals with designing a prototype of Static VAR Compensator (SVC). This SVC prototype comprises of 440 kV, 300 km modular transmission line model which operates on lab voltage i.e. 400 V, 50 Hz, and compensator consisting of three delta connected capacitors together with three delta connected air gap type linear inductors along with two anti-parallel thyristors. Modelling has been done considering two modes of thyristor i.e. when thyristor is ON and second when thyristor is OFF. Both modes are characterised by the time duration. With these two modes, two second order differential equations are derived and finally converted into second order state space model. This state space model will be helpful to predict the load voltage behaviour. SVC is modelled in MATLAB Simulink and simulation results are compared with the prototype results to validate the controller design parameters. The aim of this work is to enhance voltage stability and increase power transfer capability of the long transmission line using FC-TCR configuration of Static VAR Compensator.

Keywords Static VAR compensator (SVC) · Fixed capacitor thyristor controlled reactor (FC-TCR) · PID controller

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Analysis of the magnetic field created by permanent magnet rings in permanent magnet bearings

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Abstract. This paper presents a simple mathematical model to determine the three dimensional (3D) magnetic field components in Permanent Magnet (PM) bearings made of ring magnets with axial, radial and perpendicular polarizations. MATLAB codes are written to evaluate the magnetic field components using Coulombian model and simple vector approach. In addition, the effect of axial, radial and angular displacements (five degrees of freedom) of the rotor magnet ring on the magnetic field created by the ring magnets in PM bearings is presented. Finally, the effect of movement of the outer ring magnet on the magnetic field created by two rings in the air gap is discussed.

Keywords: Angular displacement, Coulombian model, magnetic field components, vector approach, permanent magnet

1. Introduction

A magnetic field is created in magnetic bearings [1–9], in electrical machines [10–13], in sensors [14–16], in flux confining devices [17–21] and in loud speakers [22–24] with the help of PM rings magnetized axially, radially or perpendicularly. Both numerical and analytical methods have been used by the authors to calculate the magnetic field created by the ring magnets. Analytical method is a faster investigation approach as compared to the former one. Either Coulombian [25–27] or Amperian [28–38] approach is used to derive 3D analytical expressions of the magnetic field components (axial and radial). The presented semi-analytical expressions are expressed over the elliptic integrals, Heuman's Lambda function and series expansions. However, the presented expressions are not fully analytical (one or two numerical integrations are required) and also they are complex while dealing with five degrees of freedom of the rotor. In the first part of the paper, a simple mathematical model to determine the magnetic field components in an axially and radially magnetized PM rings using Coulombian approach is presented. MATLAB codes are written to evaluate the magnetic field components. The results of the magnetic field components (evaluated using Coulombian approach) in an axially and radially magnetized PM rings are validated with available results (evaluated using the Coulombian and Amperian approach) in the literature for the same configurations of the rings.

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ANALYSIS OF AXIALLY MAGNETIZED PERMANENT MAGNET BEARING CHARACTERISTICS

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Abstract—The use of permanent magnets as bearings has gained attention of researchers nowadays. The characteristics of forces and moments have to be analysed thoroughly for the proper design of permanent magnet bearings. This paper presents a mathematical model of an axially magnetized permanent magnet bearing (ring magnets) using Coulombian model and a vector approach to estimate the force, moment and stiffness. A MATLAB code is developed for evaluating the parameters for five degrees of freedom (three translational and two rotational) of the rotor. Furthermore, it is extended to analyse stacked ring magnets with alternate axial polarizations. The proposed model is validated with the available literature. Comparison of force and stiffness results of the presented model with the results of three dimensional (3D) finite element analysis using ANSYS shows good agreement. Finally, the cross coupled stiffness values in addition to the principal stiffness values are presented for elementary structures and also for stacked structures with three ring permanent magnets.

1. INTRODUCTION

Permanent magnet bearings are contact free bearings wherein the rotor is levitated using an attractive or repulsive forces generated between the magnets. The contact free feature of permanent magnet bearings offers attractive advantages like friction free and lubrication free operation, low maintenance, long life etc. Exhaustive work is carried out by Yonnet [1, 2], Delamare et al. [3] for synthesizing

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ANALYSIS OF RADIAL MAGNETIZED PERMANENT MAGNET BEARING CHARACTERISTICS

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Abstract—With an increase in the number of high speed applications. researchers have been concentrating on permanent magnet bearings due to their suitability. This paper presents a mathematical model of a permanent magnet bearing made of ring magnets with radial polarizations. Coulombian model and vector approach are used to estimate the force, moment and stiffness. A MATLAB code is developed for evaluating the envisaged parameters for three degrees (translational) of freedom of the rotor. Comparison of force and stiffness results of the presented model with that reported in the literature and also with the results of 3D finite element analysis shows good agreement. Then, it is extended to analyse stacked ring magnets with alternate radial polarizations. Finally, the cross coupled stiffness values in addition to the principal stiffness values are presented for the elementary structure and also for stacked structure with three ring permanent magnets with alternate radial polarizations.

1. INTRODUCTION

Permanent magnet bearings are magneto-mechanical elements wherein the supporting property of bearing is realized by virtue of attractive or repulsive forces generated between the magnets. These are realized with ring magnets, axially, radially or perpendicularly magnetized. The force (bearing load) and stiffness are the important parameters to be considered in the design of permanent magnet bearings. The early work carried out towards the analysis of these parameters (two

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ANALYSIS OF RADIAL MAGNETIZED PERMANENT MAGNET BEARING CHARACTERISTICS FOR FIVE DEGREES OF FREEDOM

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Abstract—This paper presents a simple mathematical model to determine the force, stiffness and moment parameters in Permanent Magnet (PM) bearings made of radial magnetized ring magnets using Coulombian model and vector approach for five degrees of freedom. MATLAB codes are written to evaluate the bearing characteristics for three translational (x, y and z) and two angular (ξ and γ) degrees of freedom of the rotor magnet. The results of the mathematical model are compared with the results of Finite Element Analysis (FEA) using ANSYS and experiments for a PM bearing with one ring pair, thereby the presented mathematical model is validated. Furthermore, the PM bearing with three ring pairs with alternate radial polarizations is analysed by extending the presented mathematical model and also using ANSYS. Finally, the 5×5 stiffness matrix consisting of principal and cross coupled values is presented for the elementary structure as well as for the stacked structure with three ring pairs.

1. INTRODUCTION

This paper discusses the work which is the extension of the work presented in [1] by Bekinal et al., wherein the performance of the radial magnetized PM bearings was evaluated for three translational degrees of freedom of the rotor magnet. PM bearings are contact free bearings wherein the rotor is levitated by exploiting the forces generated by the magnets. These are used in many high speed applications like

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PERMANENT MAGNET THRUST BEARING: THEORETICAL AND EXPERIMENTAL RESULTS

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Abstract—This paper presents the design and analysis of permanent magnet (PM) thrust bearing made up of three ring pairs for five degrees of freedom of the inner rings (rotor rings). The arrangement pattern of rings in PM bearing is considered in two ways: conventional structure and Halbach structure. The simplified three dimensional (3D) mathematical models employing Coulombian approach and vector method are used to design the bearing. MATLAB codes are written to evaluate the axial force, stiffness and moments in both the structures for five degrees of freedom, thereby the effect of axial, radial and angular displacements of the rotor on the aforementioned characteristics is addressed. The results of the mathematical model are validated by the results of 3D Finite Element Analysis (FEA) and experiments. It is observed that, the conventional structure seems to be more sensitive to the angular displacement, as the percentage decrease in force and stiffness is more with respect to angular displacement than the Halbach structure. The effect of angular displacement of the rotor on the performance of bearing in both the structures is crucial.

1. INTRODUCTION

The most suitable solution to improve the system efficiency in high-speed applications is by the utilization of the contact free feature of magnetic and foil bearings. There are mainly two types of magnetic bearings: active and passive magnetic bearings. The passive magnetic

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REVIEW ON TIRE PERFORMANCE PARAMETERS AND ITS TESTING SETUP

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ABSTRACT
The purpose of this review paper is to theoretical analysis of effect of the different tire parameters on tire performance and review of testing setup available to test these tire performance parameters. The testing of tire performance parameters by experimentally is help to designer to correlate the relationships of parameters and to design the tire, hence it is need to testing of tire. Knowledge about dynamic properties of tires is an essential for any kind of research and development activities on vehicle dynamics. The main purpose of laboratory testing is to separate the properties of the tire from the vehicle, achieve high rate of reproducibility and to optimize the cost. This paper tells the information regarding of different researcher's works on interlaboratory tire testing setup.
Key words: Interlaboratory testing , Review, Tire Parameters.

1. INTRODUCTION

The pneumatic tire plays an increasingly important role in the human being's life. However, this status is achieved because of more than one hundred years' tire evolution since the initial invention of the pneumatic tire by John Boyd Dunlop around 1888. Tires are required to produce the forces necessary to control the vehicle. As we know that the tire is the only means of contact between the road and the vehicle but they are at the heart of vehicle handling and performance [1].The inflated rubber structure provides comfortable ride for transportation. With the growing demand for the pneumatic tire, many improvements have been made based on the initial conception, such as the reinforcement cords, the beads, the vulcanization, the materials and the introduction of the tubeless tire. The relationship between human and tire and environmental surrounding play an important role for developing of tire technology. These concerns include traffic accidents caused by tire failure, the waste of energy due to bad tire conditions, the pollution through the emission of harmful compounds by tires, and the degradation of road surfaces related to tire performance, etc.

Tire as one of the most important components of vehicles requires to fulfill a fundamental set of functions are to Provide load-carrying capacity, Provide cushioning and dampening against the road surface, transmit driving and braking torque, provide cornering force, provide dimensional stability, resist abrasion, generate steering response, have low rolling resistance, provide minimum noise and minimum vibration, durability throughout the expected life span [4] .Tires have ability to resist the longitudinal, lateral, and vertical reaction forces from the road surface without severe deformation or failure.Tire performance is depends on the tire rolling resistance, cornering properties, tire traction, tire wear, tire temperature, tire noise, tire handling and characteristics etc. There are various losses associated with the vehicle that

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organic communications

An efficient solvent-free synthesis of imidazolines and benzimidazoles using $K_4[Fe(CN)_6]$ catalysis

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Abstract: Imidazolines and Benzimidazoles have been efficiently synthesized in high yields by treatment of 1,2-diamine with aldehydes using the metal co-ordinate complex $K_4[Fe(CN)_6]$ as a catalysis. The method was carried out under solvent free condition via oxidation of carbon-nitrogen bond. The process is green, mild and inexpensive.

Keywords: Aldehydes; $K_4[Fe(CN)_6]$; imidazolines; benzimidazoles; solvent free

1. Introduction

The development of simple, efficient and general synthetic method for biological active compounds from readily available catalyst is one of the major challenges in organic synthesis.

The importance of imidazolines and benzimidazloes units arises, because they are found in many biologically active compounds.[1-2] Imidazolines are biologically active pharmacophore and synthetic intermediates in medicinal chemistry.[3-5] They are also used as chiral catalysts,[6] chiral auxiliaries[7] and ligands for asymmetric catalysis.[8-9] As a continuation of our interest in the synthesis of imidazolines due to its broad spectrum of biological activities including antihyperglycemic,[10-11] antiinflammatory,[12-13] antihypertensive,[14-15] anticancer[16] and antihypercholesterolemic[17] agents. In addition, the benzimidazol moiety shown excellent biological activity like antiulcers, antihypertensives, antivirals, antifungals, anticancers, antihistaminics, antibacterial, antitubercular, antiasthmatic, anti-diabetic and antiprotozoal.[18-26]

Recently, several methods have been developed, for the synthesis of benzimidazoles in presence of various catalyst such as sulfur/ultrasonic,[27] homogeneous Lewis acids,[28] $I_2/KI/K_2CO_3/H_2O$,[29] pyridinium-p-toluenesulfonate,[30] ionic liquids,[31] polyaniline-sulfate,[32] (bromodimethyl)sulfonium bromide[33] and Zeolite. [34] However, all of the synthetic protocols reported so far suffer from disadvantages such as, use of organic solvents,[28,30,32] harsh reaction conditions,[29,33] excess temperature, [29] prolonged reaction times,[30,32] use of expensive reagents.[28,31] To overcome all this disadvantages we report a practical, inexpensive and green method for the synthesis of imidazolines and benzimidazoles by using potassium ferro-cyanide as a catalyst under solvent free condition.

In recent years, potassium ferro-cyanide has gained special attention as a catalyst in organic synthesis like synthesis of anti-Alzheimer drug(-) Galanthamine[35] due to its high stability, oxidizing power selectivity and a nontoxic by product Fe(III).It promoted oxidative cyclization of 5-S

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An Efficient and Convenient Synthesis of Imidazolines and Benzimidazoles via Oxidation of Carbon-Nitrogen Bond in Water Media

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The metal coordination complex $K_4[Fe(CN)_6]$ is an efficient and environmentally benign catalyst for the synthesis of imidazolines and benzimidazoles from various aldehydes and 1,2-diamines in aqueous medium at room temperature. This protocol gives excellent yield of product with desired purity.

Keywords aldehyde, 1,2-diamines, $K_4[Fe(CN)_6]$, imidazolines, benzimidazoles, water

Introduction

An efficient and convenient chemical process or method for the synthesis of biologically active compounds from the simple reagent is always a challenging task for chemists working in the field of organic synthesis. The imidazolines and benzimidazoles are the important heterocycles found in many biologically active compounds.[1] They are biologically active pharmacophores and synthetic intermediates in medicinal chemistry[2] (Figure 1). They are also used as chiral catalysts,[3] chiral auxiliaries,[4] and ligands for asymmetric catalysis.[5] It is a continuation of our interest in the synthesis of these heterocycles due to their broad spectrum of biological activities including antihyperglycemic,[6] antiinflammatory,[7] antihypertensive,[8] anticancer,[9] and antihypercholesterolemic[10] agents. In addition, they have also shown excellent biological activities like antiulcer, antiviral, antifungal, antibacterial, antitubercular, antiasthmatic, anti-diabetic and antiprotozoal.[11-19]

In recent years, potassium ferro-cyanide has gained special attention as a catalyst in organic synthesis like synthesis of anti-Alzheimer drug (−)-Galanthamine[28] due to its high stability, oxidizing power selectivity and a nontoxic byproduct Fe(III). It is useful to promote oxidative cyclization of 5-*S*-Cysteinyldopa.[29] Xiao *et al.*[30] studied the liberation of cyanide into the environment which has terristerial importance for ecosystem and Gaffar *et al.*[31] studied the kinetics of the potassium ferro cyanide. Because of many advantages such as excellent solubility in water, uncomplicated handling, inexpensiveness and eco-friendly nature, readily available and highly reactive potassium ferrocyanide is used as a green, efficient and environmentally friendly catalyst for the development of various synthetic methods.

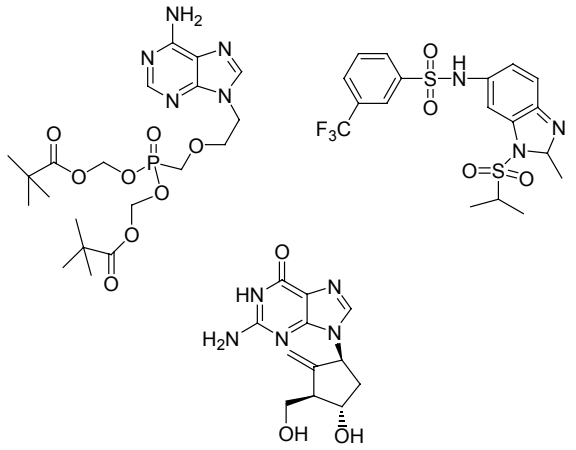

Figure 1 Structures of biologically active compounds containing imidazole pharmacophore

Nowadays, several methods have been developed, for the synthesis of benzimidazoles in presence of various catalyst such as sulfur/ultrasonic,[20] homogeneous Lewis acids,[21] $I_2/KI/K_2CO_3/H_2O$,[22] pyridinium-*p*-toluenesulfonate,[23] ionic liquids,[24] polyanilinesulfate,[25] (bromodimethyl)sulfonium bromide[26] and Zeolites.[27]

However, all of the synthetic protocols reported so far suffer from disadvantages such as, use of organic solvents,[21,23,25] harsh reaction conditions,[22,26] elevated temperature,[22] prolonged reaction times,[23,25] use of expensive reagents.[21,24] To overcome all these disadvantages herein we report a practical, inexpensive and

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Full Paper

An efficient solvent-free synthesis of *meso*-substituted dipyrromethanes using $SnCl_2 \cdot 2H_2O$ catalysis

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ABSTRACT: *Highly rapid and simple methodology has been developed for the quantitative synthesis of meso-substituted dipyrromethanes from lowest pyrrole/aldehyde ratio. The method was carried out by using $SnCl_2 \cdot 2H_2O$ as a catalyst under solvent free condition. The method is environmentally friendly, easy to workup, and gives excellent yield of the products.*

Keywords: *pyrrole; dipyrromethanes; $SnCl_2 \cdot 2H_2O$ catalysis; grinding*

Introduction

Dipyrromethanes are important building blocks for the synthesis of porphyrins [1], Calixpyrrols [2], and Corroles [3]. Dipyrromethanes are compounds known for more than a century [4]. In the past decades, a variety of conditions have been established for the synthesis of dipyrromethanes in the presence of various catalysts such as p-toluenesulfonic acid [5], $TiCl_4$ [6], CF_3COOH [7] and pyrrolidinium tetrafluoroborate [8]. In the synthesis of dipyrromethanes most of the conditions are based on the acid catalyzed condensation of pyrrole with aldehyde. Recently, several methods have been developed, for the synthesis of dipyrromethanes in various catalyst such as ionic liquid [Hmim] BF_4 [9], HCl/water [10], cation exchange resin [11], metal triflate catalysis [12], HCl [13], iodine/CH_2Cl_2 [14] and $InCl_3$ [15]. However, all of the synthetic protocols

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DYNAMIC IMPACT BEHAVIOR OF SYNTACTIC FOAM CORE SANDWICH COMPOSITES

PETER BREUNIG, VINAY DAMODARAN, KIRAN SHAHAPURKAR, SUNIL WADDAR, MRITYUNJAY DODDAMANI, P JEYARAJ, G. C. MOHAN KUMAR, PAVANA PRABHAKAR

ABSTRACT

Sandwich composites and syntactic foams have historically been used in many engineering applications to meet the needs of a system. However, there has been minimal effort to take advantage of the weight saving ability of syntactic foams in the cores of sandwich composites, especially with respect to the impact response of the structure. The goal of this experimental study is to investigate the mechanical response and damage mechanisms associated with sandwich composites with syntactic foam cores. The core was manufactured using epoxy resin as the matrix and cenospheres as the reinforcement with varying volume fractions of 0%, 20%, 40%, and 60%. The sandwich composites were manufactured with the vacuum assisted resin transfer molding (VARTM) process. Impact tests were performed on the specimens according to ASTM D7766 at two energy levels: 80J and 160J. The data from the tests was post-processed to gain quantitative understanding of the damage mechanisms present in the specimens. A qualitative understanding was obtained through MicroCT scanning imaging. The analysis showed that increasing the volume fraction of cenospheres in the syntactic foam made the damage mechanism more desirable, even at high energy levels.

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Flexural response of Cenosphere/Epoxy Syntactic Foams

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ABSTRACT: In this work, effect of arctic and room condition on the flexural response of fly ash cenosphere/epoxy syntactic foams are investigated. The effect of surface modification and filler volume fraction of cenospheres is studied. Understanding the suitability of such foams subjected to extreme conditions for prolonged periods of time is very critical for marine applications. Syntactic foams were fabricated in as received and treated conditions of cenospheres with 20 vol.% in Lapox L-12 epoxy resin. Samples were conditioned under arctic environment at a temperature of -60°C for a period of 57 days. Tests revealed brittle mode of failure for all the samples. Modulus increased whereas strength decreases for both untreated and treated syntactic foams compared to neat epoxy resin subjected to dry and arctic conditioned environment. Micrographic analysis of fractured samples is done to understand the structure-property correlations.

***Keywords**: Flexural, Syntactic foam, Surface modification, Arctic condition.*

INTRODUCTION

Syntactic foams are a particular class of foam structure, consisting of hollow spheres embedded in a continuous matrix. The closed-pore structure gives advantages of low density, low moisture uptake, and excellent mechanical properties [1]. Syntactic foams are often used as core materials in sandwich composites because they ensure high rigidity and compressive strength of sandwich structures [2]. These foams in particular are used in marine and aerospace applications due to the light weight and favourable properties offered [3]. Hollow particles play an important role in determining the properties of syntactic foams. The hollow particles of glass, carbon, fly ash cenospheres, ceramics such as Al_2O_3 and SiC, and polymers have been used in syntactic foams. Previous researchers have widely investigated the behavior of syntactic foams with engineering glass microballoons as the filler material but studies based on fly cenospheres are very scarce. These are hollow particles from fly ash, which is an industrial waste material and a potential environmental pollutant. Use of cenospheres in syntactic foams can help the environment by minimizing waste, while creating foams with better properties. In addition to this, the surface of cenospheres is modified to check the effect of surface modification on the quasi-static compressive behavior. Majority of studies on mechanical properties is carried at room temperature [4,5]. Most prevalent environmental conditions for marine composites is at subzero temperatures. For marine vessel with a composite hull operating in the Arctic or Antarctic oceans is very important. In many of these studies the effect of change in cenosphere volume fraction on mechanical properties of syntactic foams is investigated.

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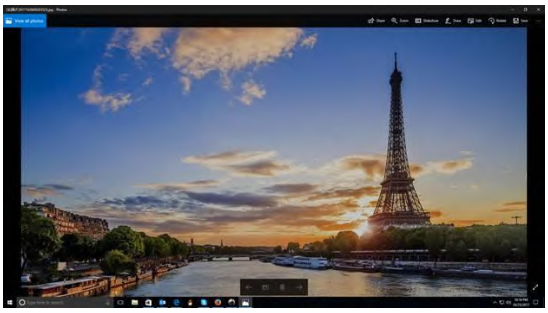

The Twenty-Sixth Annual International Conference on
COMPOSITES/NANO ENGINEERING (ICCE-26)
Paris, France
July 15-21, 2018
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Official Acceptance Letter

Kiran Shahapurkar
Research Scholar, Department of Mechanical Engineering
National Institute of Technology Karanataka,
Surathkal, P.O. Srinivasanagar 575 025 Mangalore,
D.K., Karanataka, INDIA

March 12, 2018

Dear Kiran Shahapurkar:

The scientific committee has evaluated your submission and finds it a very exciting contribution to the field of composite materials. I am happy to inform you that your paper entitled *EROSION RESPONSE OF CENOSPHERE/EPOXY SYNTACTIC FOAMS* is accepted for **ORAL presentation** in 26th Annual International Conference on COMPOSITES/NANO ENGINEERING (ICCE-26) being held in Paris, France during **July 15-21, 2018**.
http://www.icce-nano.org/

We invite you to attend and present your research findings in this conference. Please bring this letter to the concerned Embassy or Consulate to obtain the necessary travel VISA.

Please let me know if you need any other assistance.

David Hui, Ph.D., Doctor Honoris Causa,
Chairman ICCE-26 Paris, France
Founder and Current Editor in Chief Composites B journal (Elsevier)
dhui@uno.edu

EROSION RESPONSE OF CENOSPHERE/EPOXY SYNTACTIC FOAMS

Kiran Shahapurkar[1*], Mrityunjay Doddamani[1] and G. C. Mohan Kumar[1]

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Introduction

Syntactic foams are extensively used in various engineering fields like automobile, aerospace, marine applications due to their excellent specific properties [1]. Syntactic foams are particulate filled composites formed when hollow particles are dispersed in a matrix resin. Incorporating hard filler particles into polymers, synergistic effects are attained in the form of higher modulus and reduced material cost. Progressive removal of material from a target surface due to the repeated impact of solid particles is termed as erosion. It is widely recognized that polymers and their composites have poor erosion resistance and their erosion rates are considerably higher than metals. Further erosion is also governed by the impingement angle, particle size, shape and hardness [2].

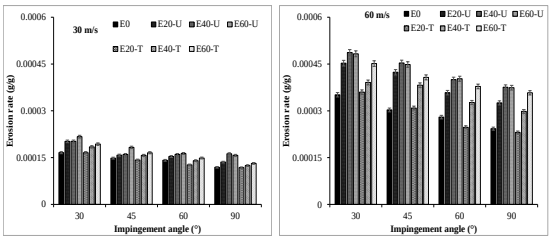
Although, extensive reports are available on the erosive behavior of composites [3], studies on foams are very scarce. The present work is carried out to investigate the solid particle erosion behavior of cenospheres reinforced epoxy syntactic foam composites. Erosive response of cenospheres with as received and silane treated conditions are also compared.

Materials and Methods

Lapox L-12 epoxy resin with K-6 hardener, supplied by Atul, Valsad, Gujarat, India is used as the matrix resin. Fly ash cenospheres of CIL 150 grade obtained from Cenosphere India Ltd., Kolkata, West Bengal, India are used as filler. Syntactic foams are prepared with as received and surface modified cenospheres. Silane coating on cenospheres is carried out using 3-Amino propyl triethoxy silane (APTS), obtained from Sigma Aldrich, Bangalore, India. Silica sand particles are used as erodent. Syntactic foams are fabricated by mixing measured quantity of epoxy resin with desired volume fraction of cenospheres until uniform slurry is obtained. Subsequently, hardener is added to the mixture prior to pouring in aluminium mold. The cast slabs are cured at room temperature for 24 hours. For easy removal of cast slabs, mold is coated with silicone releasing agent. Three different syntactic foams with varying cenosphere volume fraction of 20, 40 and 60% in epoxy matrix are fabricated. This procedure is adopted for both as received and silane treated cenospheres. Neat epoxy samples are also prepared under similar processing conditions for comparisons. Erosion tests are performed under ambient conditions as per ASTM G76 standards on an erosion test rig procured from DUCOM, Bangalore, India. Erosion tests are performed for four impingement angles (30, 45, 60 and 90°) and three impact velocites (30, 45 and 60 m/s). The samples are coded as per EXX-Y convention, where E denotes epoxy resin, XX denotes volume fraction of cenospheres and Y represents filler modification condition (U-untreated, T-treated cenospheres).

Results and discussion

Effect of impingement angle and velocity of erodent on erosion



(a) (b)

Fig. 1. Steady state erosion for sliding velocity of (a) 30 and (b) 60 m/s.

It is observed from Fig. 1 that steady-state erosion rate is maximum at 30° for neat epoxy and all the syntactic foams. Ductile behavior is characterized by maximum erosion at low angle of impact, typically between 15 to 30° and brittle behavior is characterized by maximum erosion at normal impact.

Neat epoxy being relatively brittle exhibits a peak erosion at 30°. All syntactic foams with untreated and treated cenospheres show a peak erosion rate at 30° indicating ductile erosive behavior. Low angle of impact chips off large pieces of material from the surface of the sample. Such events increase erosion rate significantly. Increase in impingement angle from 30° to 90°, decreases the erosion rate linearly for all samples. It is reported that no fixed trends are available which associate ductility or brittleness of materials with maximum or minimum angle of impingement [4]. With increase in angle of impact, the erodent creates an elastic-plastic zone beneath the specimen on impact. Once cenosphere particles come in contact with the erodent, the magnitude of impact reduces significantly cenospheres being hollow. Thereby, the erosion rate decreases linearly with increase in impingement angle. It is quite clear from Fig. 1 that the erosion of all the syntactic foams increases with increase in impact velocity. The velocities of the erosive particles have a very strong effect on erosion rate of the syntactic foams. Erosion behavior of polymer composites is characterized by the value of the velocity exponent 'n' ($E \alpha V^n$) [5]. In the present study, the velocity exponent 'n' is in the range of 1.86–2.65, affirming ductile behavior ($1<n<3$) of syntactic foams.

Tensile Behavior of Cenosphere/Epoxy Syntactic Foams

Kiran Shahapurkar[1,a)] Mrityunjay Doddamani[1)] and G.C. Mohan Kumar[1)]

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Abstract. Tensile behavior of syntactic foam composites are very critical to the engineering applications. The fracture modes and failure mechanisms under tension must be fully understood in order to realize the potential of such composites. In the present work, syntactic foam composites are fabricated using as received and surface modified hollow cenospheres embedded into epoxy matrix. Combinations of cenosphere volume fraction (0, 20, 40 and 60%) and surface modification are studied. Experimental results reveal that modulus of both untreated and treated syntactic foams increases with increase in cenosphere volume fraction compared to neat resin. Strength values of syntactic foams show decreasing trend compared to neat resin. However, treated syntactic foams demonstrated better results compared to untreated ones attributing to good bonding between matrix and filler. Scanning electron microscopy reveal brittle fracture for all the syntactic foams.

INTRODUCTION

Hollow particles when embedded in matrix resin form the composites known as syntactic foams. Lightweight syntactic foams have been widely employed in a variety of engineering applications like marine equipment's for deep water operations, core materials of sandwiches, structural parts in aerospace industry [1, 2]. Mechanical properties are understandably the primary concern for ceramic microballoon filled syntactic foams. The use of fly ash cenosphere as filler material in polymer composites is considered important from both economic and commercial point of view [3-11]. Fly ash particles have been previously used as reinforcements in polymers to develop lightweight composites. Studies have pointed to excellent compatibility between fly ash and polymers. Previous researchers have widely investigated the behavior of syntactic foams with engineering glass microballoons as the filler material but studies based on fly cenospheres are very scarce. These are hollow particles from fly ash, which is an industrial waste material and a potential environmental pollutant. Development of syntactic foams with fly ash cenospheres serves dual purpose of beneficial utilization of industrial waste fly ash and reduction in the component cost. Fly ash cenospheres/polymer composites present significant opportunities to basic science and technology and pose significant challenges for future work in polymer composite field. Interest for exploiting the benefit of low density of syntactic foams has made it necessary to characterize these materials for tensile loading. In the current research, tensile response of thermosetting syntactic foam composite using casting route is investigated. Lapox L-12 epoxy is used as the matrix resin and cenospheres are used as filler material in the foams. In addition to this, cenospheres are silane treated to check the effect of surface modification on the tensile behavior of syntactic foams.

MATERIALS AND METHODS

Materials

Epoxy resin LAPOX L-12 is used as the matrix with K-6 hardener, supplied by Atul, Valsad, Gujarat, India. Fly ash cenospheres obtained from Cenosphere India Ltd., Kolkata, India, of CIL 150 grade are used as the filler. Cenospheres are silane coated using 3-Amino propyl triethoxy silane (APTS), procured from Sigma Aldrich, Bangalore, India. Five specimens of each composition are tested in tension under room temperature conditions.

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CURRENT & VOLTAGE CONTROLLED WELDING TRANSFORMER (WITH LOAD SERIES MOTOR)

Aravind Bhandare[1],Suyog Borge[2],Kalyani Jadhav[3],
Akshay Kamble[4],Rehana Mulla[5], Neha Shinde[6]

Assistant Professor, Electrical Engineering Dept, SETI, Panhala, Maharashtra, (India)[1]
Students, [2,3,4,5,6] Electrical Engineering Dept, SETI, Panhala, Maharashtra, (India)

I. INTRODUCTION

Generally a welding transformer is a step-down transformer. In welding transformer there are generally current is controlled by using

i)Choke

ii)By using moving core.

In welding transformer choke is connected in series with the secondary circuit in order to control or vary current. Also choke can absorb voltage fluctuations choke is important for stability of arc.

In case of Hand methods of arc welding usually a current range of 60 Amps to the 250Amp at a voltage 30 to 40 Volts for a good welder.

As per standard 100 Volt is maximum open circuit voltage for the welding. By using choke to vary or control current the separate space is required. Now again we can control current by moving core that means we can vary flux linking with secondary ,so current is vary flux in proportion with flux.But

separate mechanism required to move the core specifically. The welding arc characteristics are negative ,by studying the arc characteristics widely,it is known that the different types of rod requires different voltage ranges & also current range.Normal welding rods that are used for steel work required to strike & maintain arc is [40-60 V,60-80,80-100V].

Welding transformer now available in market that has features of control both voltage & current & if we provide tapping to secondary side & current by choke it is too much space is required for that to achive both the feature i.e. current & voltage control following design is suitable.

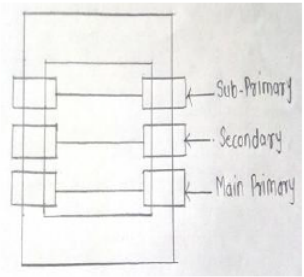

Fig No.1.Construction Diagram

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Mechanical and Corrosion Studies of Magnesium Based Biodegradable Medical Implants

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Abstract
The biodegradable materials had become significantly advanced since 30 years. The "Biodegradable Metal" itself defines the metals & alloys which safely corrode itself in-vivo. As magnesium its alloys shows great potential as a biodegradable metal, it is preferred to use among Mg based, Fe based, Zn based biomaterials. The present review focuses on in-vitro studies of mechanical and corrosion behavior of AM50 & AZ81 magnesium based alloys as a biodegradable implant.

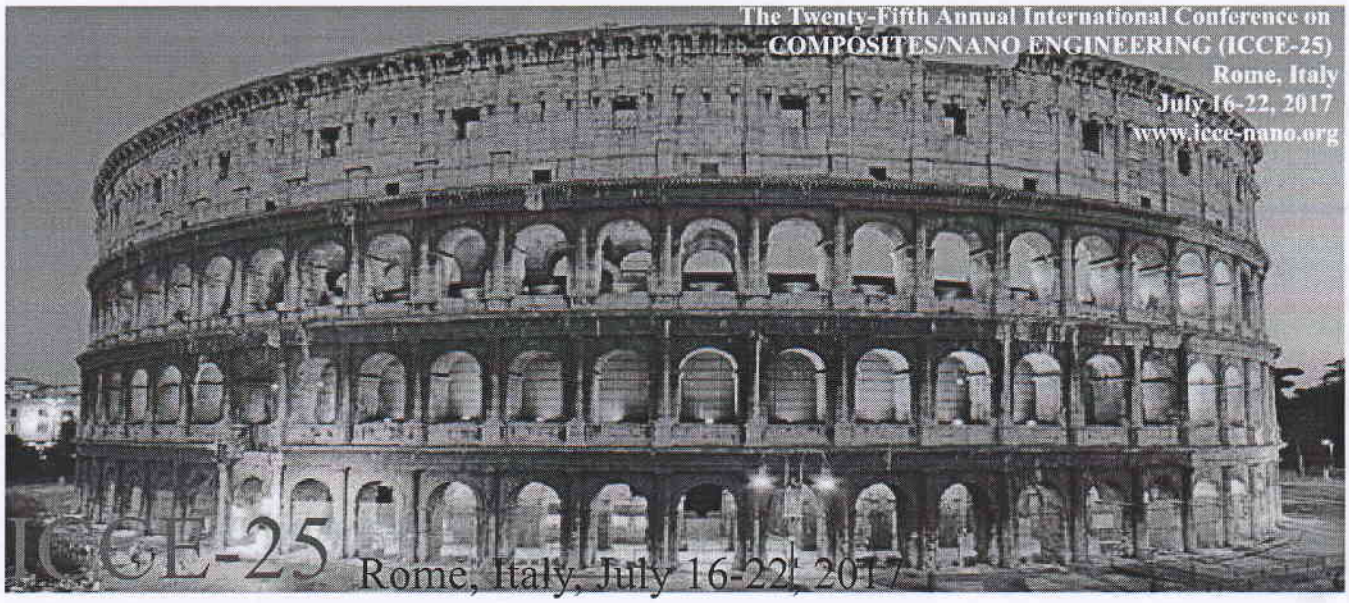
Keywords: Biomedical implants, Mechanical, corrosion, Degradation, Mg Alloys.

Introduction
Yearly, disease and accidents causes millions of people suffer from bone fracture. However, although the current treatment using traditional nondegradable biocompatible materials. In the present, the biodegradable implants are being considered as the alternative for traditional implants. Biomaterials are mainly classified as polymers, ceramics, bone cements. But the mechanical implants prefer for their mechanical strength, toughness with nontoxicity and allergy free elements are composed [1]. Also the biodegradable provides the temporary support for the facture and starts degrading with matting new tissue formation. The presence of scaffold can serve as substrate for seeded cells facilate new tissue formation at site of injury. Incorporation of drag or bioactive molecule may also accelerate new tissue formation [1,2].

The designing of biodegradable implants consist following important factors firstly material should be degrade over definite period. Secondly, the material should possess sufficient mechanical strength to sustain and also the scaffold function of material as temporary support should allow space the newly generated tissue to replace the defect[3]. As the magnesium and its alloy shows preferable mechanical property and excellent compatibility with human bone are greatly used as biomaterial for the human body implants.

Mg and its alloys possess active chemical property and also it is liable to be corroded in physiological environment after implementation without causing any toxicity and side effects. Mg plays important role in metabolism of mineral substance of bone by boosting the formation of teeth and bone. Mg and its alloy are suitable to be used in the blood vessel interventation and orthopedic due to close elastic module with human bone. With help of process such as extrusion which provides three dimensional compressive stresses, Mg alloy with high modulus of elasticity is obtained [4,5].

After several studies, it comes to know that the corrosion behavior of Mg is greatly depends on the alloying element and their microstructure. The present work aims to compare the in vitro electro chemical degradation behavior of biocompatible magnesium alloy such as AZ81 and AM50 etc. alloy the corrosion behavior was studied through analysis of corrosion resistance variation with immersion time using Electrochemical Impedance Spectroscope (EIS) test. Corrosion resistance of these treated samples in solution simulating the physiological environment will be evaluated by



25th Annual International Conference on Composites or Nano Engineering
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Re: acceptance letter

Dr. Mrityunjay Doddamani
Assistant Professor, Department of Mechanical Engineering
National Institute of Technology Karanataka,
Surathkal, P.O. Srinivasanagar 575 025 Mangalore,
D.K., Karanataka, INDIA

February 17, 2017

Dear Dr. Mrityunjay Doddamani:

The scientific committee has evaluated your submission and finds it a very exciting contribution to the field of composite materials. I am happy to inform you that your paper entitled "**Tribological response of Cenosphere/Epoxy syntactic foams**" is accepted for **ORAL presentation** in 25th Annual International Conference on COMPOSITES/NANO ENGINEERING (ICCE-25) being held in Rome, Italy during **July 16-22, 2017**.
http://www.icce-nano.org/

We invite you to attend and present your research findings in this conference. Please bring this letter to the concerned Embassy or Consulate to obtain the necessary travel VISA.

Please let me know if you need any other assistance.

David Hui, Ph.D., Doctor Honoris Causa,
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Tribological response of Cenosphere/Epoxy syntactic foams

Kiran Shahapurkar[1], Mrityunjay Doddamani[1*], G. C. Mohan Kumar[1] and Nikhil Gupta[2]

[1]Advanced Manufacturing Laboratory, Department of Mechanical Engineering, National Institute of Technology Karnataka, Surathkal, Mangalore 575025, India. Email: [*]mrdoddamani@nitk.edu.in
[2]Composite Materials and Mechanics Laboratory, Mechanical and Aerospace Engineering Department, Tandon School of Engineering, New York University, Brooklyn, NY 11201 USA.

Introduction

Weight sensitive structures demand higher specific properties favouring usage of lightweight polymer matrix composites. Hollow particles when embedded in matrix resin form the composites known as syntactic foams, which are finding applications in marine and aircraft structures [1, 2] owing to higher damage tolerance coupled with lower weight. Increasing use of syntactic foams in automotive and aerospace applications requires understanding of their tribological properties. Studies on tribological response of polymer matrix syntactic foams are relatively scarce. Further, large number of parameters involved in wear testing necessitates a clear understanding of structure–property correlations. Fly ash is a low cost hollow filler, which is recovered from industrial waste. If used as filler, it can help in improving environment. Detailed investigations of hollow particle filled composites are desired to understand the mechanisms of wear and damage as considerable differences are likely as compared to solid particles.

Materials and Methods

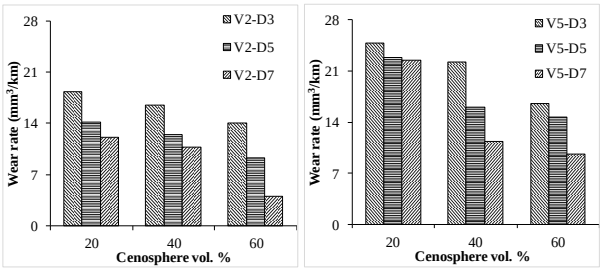
LAPOX L-12 epoxy with a room temperature curing polyamine hardener K-6 containing a tetra-amine functional group (Yuje Marketing, Bangalore, India) is used as matrix having density of 1192 kg/m^3. Fly ash cenospheres obtained from Cenosphere India Pvt., Ltd., Kolkata, India, are used as the filler material having true particle density of 920 kg/m^3. Measured quantity of epoxy resin and cenospheres are gently mixed until uniform slurry is obtained. Subsequently, hardener is added to the mixture prior to pouring in the aluminium mold. Mix is allowed to cure for 24 h at room temperature. The mold is coated with silicone release agent for easy removal of cast slabs. Four types of syntactic foams are prepared with varying cenosphere content 20, 40 and 60 by vol.%. From the cast slabs, test specimens of dimensions 12×12×25.4 mm^3 are cut using a water jet cutter. Dry sliding wear tests are carried out under ambient temperature using a pin-on-disc tribometer (DUCOM, Bangalore, India) according to ASTM G99-05 (2010) standard. A disc made of hardened chromium steel (EN-31 hardness 62HRC) is used as the counter body against sample. The tests are conducted on a track diameter of 120 mm. Wear rate is investigated for two variable input parameters namely, sliding velocity, 'V'(2 and 5 m/s) and sliding distance, 'D' (3, 5 and 7 km). Samples are coded as per VX-DY convention, where X and Y are values of the respective input parameters. All the tests are conducted at applied load (L) of 50 N.

Results and discussion

Wear rate

Figure **1** presents representative plots of wear rate as a function of filler content at different sliding velocities. As the filler content increases wear rate decreases for all the sliding distances for both, 2 and 5 m/s sliding velocities (Figure 1). Cenospheres comprise ceramic materials such as alumina and silica. Higher filler loadings resists wear by replacing more matrix in the system with ceramic content.

The wear rate is observed to be higher at higher sliding velocity, which is attributed to increase in frictional forces increases. Features for wear surfaces for 20 and 60 cenosphere vol.% syntactic foams tested at 2 and 5 m/s are presented in Figure 2 and Figure 3, respectively. Greater plastic flow is observed on the specimens tested at higher sliding speeds, which is likely due to increased shaer forces leading to plastic deformation of matrix.



(a) (b)

Figure 1. Wear rate at different cenosphere volume fractions at sliding velocity of (a) 2 and (b) 5 m/s.

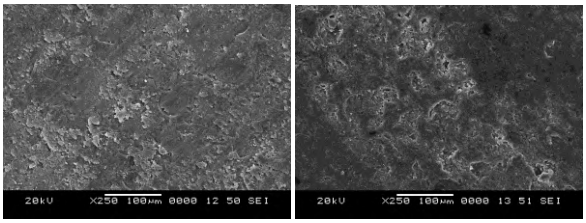


Figure 2. SEM of representative (a) 20 and (b) 60 vol.% cenospheres syntactic foam specimens tested at 2 m/s.

PPMC-013

Quasi static compressive response of cenosphere/epoxy Syntactic foam

Kiran Shahapurkar, G.C.Mohan Kumar, Mrityunjay Doddamani

Department of Mechanical Engineering
National Institute of Technology, Karnataka, Surathkal - 575025, India.

Abstract

Quasi static uni-axial compressive properties of epoxy matrix syntactic foams containing cenosphere filler are investigated. Syntactic foams are prepared by stir casting process. Effect of surface modification and volume fraction on the compressive strength, modulus and energy absorption of syntactic foams is studied. In the present work, syntactic foams containing up to 0, 20, 40 and 60 by vol. % of cenospheres are studied. Quasi-static compression tests are conducted at a constant strain rate of 10-1 s-1. It is found that the strength and modulus decreases linearly with increase in filler content for foams reinforced with as received cenospheres as compared to pure samples. However, foams prepared using treated cenospheres possess higher strength and modulus than those prepared with as received cenospheres and comparable with pure samples. Further, with increase in filler content, the energy absorption capacity of as received syntactic foams decreases and increases for treated syntactic foams compared to pure samples. Fractographic analyses are done to understand the failure mechanisms in these foams.

1. Introduction

Syntactic foams are a particular class of foam structure, consisting of hollow spheres embedded in a continuous matrix. These foams are classified as closed-cell foams because the porosity in these materials is enclosed within hollow particles. The closed-pore structure gives advantages of low density, low moisture uptake, and excellent mechanical properties [1]. Syntactic foams are often used as core materials in sandwich composites because they ensure high rigidity and compressive strength of sandwich structures [2]. These foams in particular are used in marine and aerospace applications due to the light weight and

Analysis of Tensile properties of cenosphere/epoxy syntactic foams

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[1]Department of Mechanical Engineering, National Institute of Technology, Karnataka, Surathkal-575025, India
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Abstract

Syntactic foams are closed-cell low-density composites targeted for applications in marine structures due to their naturally buoyant behavior and low moisture absorption. Light weight of these foams has been beneficial in weight sensitive applications, thermal insulation of pipelines in oil and gas industry. Methods have been developed to tailor the mechanical properties of syntactic foams over a wide range, which is a significant advantage over other traditional particulate and fibrous composites.Syntactic foams are extensively studied in the published literature for compressive, flexural and hygrothermal properties. However, studies on tensile strength of these materials are scarce.Interest in utilizing the advantage of low density of syntactic foams in other applications such as aerospace structures and sports equipment has made it necessary to characterize these materials for tensile loading and study various parameters affecting their properties.

In the present work, industrial waste fly ash cenosphere is used as a filler in epoxy resin to develop eco-friendly syntactic foams using conventional casting route. Further, cenospheres are silane treated to compare the effects of as received and surface modified cenospheres on tensile behaviour. The present work characterizes syntactic foams containing up to 0 and 40 by vol. % of cenospheres. Effect of surface modification and volume fraction on the tensile strength and modulus of syntactic foams is studied. Modulus is seen to be increasing with cenosphere content wherein strength decreasesgradually. Elastic Modulus for untreated and treated syntactic foams are 75 and 111% higher respectively, whereas tensile strength of treated syntactic foams 8% lower, as compared to neat epoxy samples. Microstructure analysis is carried out using SEM to understand the behavior of syntactic foams.Higher modulus of hollow particles and few survived particles at higher filler loadings increases modulus of foam. Poor interfacial bonding between the constituent compromises on the strength values. Surface modification of cenospheres has lead to significant increase of modulus and decrease in strength compared to untreated foams and neat samples.

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Flexural Response of Fly Ash Cenosphere/Epoxy Syntactic Foams

Kiran Shahapurkar[1, a], Vikas Bapurao Chavan[2, b], Mrityunjay Doddamani[3, c], and G. C. Mohan Kumar[4, d]

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In the present work industrial waste fly ash cenosphere 40% by volume is used as a filler in epoxy resin to develop eco-friendly syntactic foams using conventional casting route. Cenospheres are silane treated to compare the effects of as received and surface modified cenospheres on flexural behavior. Neat epoxy samples are prepared and tested under similar conditions for comparison. Modulus is seen to be increasing with cenosphere content wherein strength decreases. Elastic Modulus for untreated and treated syntactic foams are 24 and 38% higher respectively, whereas strength of treated syntactic foams 38% lower, as compared to neat epoxy samples. SEM is carried out to understand structure-property correlations of the syntactic foams. Higher modulus of hollow particles and few survived particles at higher filler loadings increases modulus of foam. Poor interfacial bonding between the cenospheres and epoxy compromises on the strength values. Surface modification of cenospheres has led to significant increase of modulus and decrease in strength compared to untreated foams and neat samples.

Keywords: Syntactic foams; flexural; surface modification; cenospheres.

High Velocity Impact Damage Investigation of Carbon/Epoxy/Clay Nanocomposites using 3D Computed Tomography

Pushparaja Murugan[1], K. Naresh[2, a*], K. Shankar[2, b], R. Velmurugan[2, c] and G. Balaganesan[2, d]

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A Series of projectile impact tests have been carried out on cross ply carbon/epoxy and different weight percentages (1%, 3% and 5%) of nanoclay dispersed carbon/epoxy laminated composites of two different thicknesses (3 mm and 5 mm) with a 9.8 mm diameter hemispherical shaped mild steel projectile for determining the ballistic limit, residual velocity and energy absorption. These experiments are conducted using a Single stage high speed air gas gun. Using the high-speed camera, the projectile path is captured. Velocities far higher than the ballistic limit such as 165 m/s, 195 m/s and 220 m/s are considered for investigation of damage mechanisms. The traditional CFRP composites show poor impact resistance due to their negligible plastic deformation as compared to metals. The impact performance of these composites can be enhanced by the clay effect. However, the effect of nanoclay dispersion is found relatively lower as the velocities are increased far higher than ballistic limit velocities. The optimum clay content is proposed in the present investigation. There is a significant improvement in impact properties, as the clay content increases from 0 wt% to 3 wt% but beyond 3 wt%, the properties degrade which is due to the high stress concentrations attributed to the clay clustering in the higher clay

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Title : Precision Agriculture for Banana Using Wireless Sensor Network.

Authors : S. Pujari., Nagaraju Bogiri

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Permanent magnet bearings for high speed rotating machinery: A review of Analytical, FEA and Experimental approaches

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Abstract-**The most suitable solution to improve the system efficiency in high-speed applications is by the utilization of the contact free feature of magnetic bearings. In this paper, first a detailed review on two and three-dimensional analytical approaches for evaluating force and stiffness in Permanent Magnet Bearings (PMB) is presented. Although the solution results of analytical equations are accurate, but might be difficult to use for complex configurations, hence the researchers have used the finite element method for the analysis of PMB. Then, Finite Element Analysis (FEA) approaches of PMB made of ring magnets are discussed in depth. Furthermore, experimental methods for determining the force exerted by outer rings on inner rings as well as use of PMB in different applications such as cryogenic turbo compressors, turbo molecular pumps and energy storage flywheels is presented. Finally, a brief review of dynamic analysis of the rotor supported by the PMB is presented.**

Keywords— permanent magnet bearing, rotordynamisc, finite element analysis, analytical equations

I. INTRODUCTION

A bearing is a machine element that permits constrained relative motion between two parts. The relative motion is typically either rotation or linear movement in nature. The selection of the most suitable bearing for a particular application depends upon the following characteristics: the load capacity, speed limit, frictional loss, stiffness, damping, maintenance and lifespan. The use of high-speed rotating machinery such as vacuum pumps, turbo molecular pumps, energy storage flywheels is increasing day by day and a selection of the most suitable bearings for such applications must be done carefully. The ideal requirements of high-speed applications are contactless rotation, no lubricants, no mechanical wear and tear, largely maintenance-free, high reliability, large range of speeds, high efficiency, low vibration and low noise level. Rolling-element bearings, fluid film bearings and magnetic bearings could be the possible choice as supporting devices for general rotating machines. However, the use of rolling-element and fluid film bearings in high-speed applications is limited mainly due to the following characteristics:

- At high-speed, the life of ball bearing is very limited due to friction. In addition, friction introduces mechanical losses and affects the efficiency of the system.
- In specific applications such as vacuum pumps and space vehicles provision of lubrication is difficult.
- A well scheduled maintenance is required to avoid failures and proper functioning of the bearings.

In comparison to conventional bearings, magnetic bearings are contact free bearings wherein the rotor is levitated by the generated magnetic field. The contact free feature of magnetic bearings offers attractive advantages like friction free and lubrication free operation, low maintenance and long life. These features lead to decisions that "the magnetic bearings could be the best choice for high-speed applications".

Magnetic bearings are one of the advanced types of bearings with interesting characteristics such as contact-free, lubricant free, no maintenance, tolerable against vacuum, low losses and very high rotational speeds. Disadvantages of magnetic bearings are: complexity in design and high initial cost.

Magnetic bearings may be classified into two major categories: Active Magnetic Bearings (AMB's) and passive magnetic bearings. Active magnetic bearings include electrical and electronic equipments and they allow to control dynamic behavior of the rotor during the operation. In passive magnetic bearings, rotor levitation is achieved without any external energy source as well as complex feedback control systems. Moreover, passive magnetic bearings are low cost products and need less maintenance as compared to active magnetic bearings. A detailed description of various types of magnetic bearings is presented by Schweitzer et al. [1]. AMBs are used in many applications such as turbo pumps, milling spindles, flywheel energy storage systems and artificial heart pumps [2-5] to support the rotor. Advantages of active magnetic bearings are: contact free, high load capacity and actively controlled

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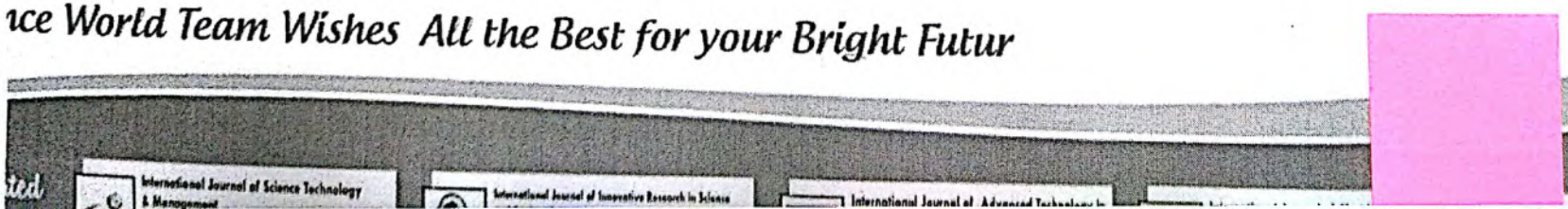

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Investigation of Load Carrying Capacity for Steering System with Polymer Helical Rack and Pinion Gear

Authors
Authors and affiliations

Yogesh Ashok Ingale, A. P. Kadam, Digvijay G. Bhosale, A. P. Bhosale

Conference paper
First Online: 17 June 2017

Abstract

A Rack and Pinion gears for a steering system of a typical car has been designed, developed using Nylon 6/6 and DELRIN materials as per the American Gear Manufacturing Association standards and with the standard machining processes respectively. The analysis and comparison include the study of various properties of rack and pinion with Nylon 6/6 and

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2016 International Conference on Automatic Control and Dynamic Optimization Techniques (ICACDOT)
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An Agro Advisory For Pomegranate Field Using Wireless Sensor Network

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***Abstract*—In India sustainable agriculture development is essential to meet food demands, economic growth and poverty reduction. Climate change having adverse effect on agriculture and traditional practices followed are planting, fertilizing and harvesting against the predetermined schedule. Precision agriculture can be used to mitigate the climate change. The work objective is optimal usage of water in irrigation, proper nutrient management to plant and avoid crop losses due to diseases and pests with proper scheduling of sprays. In this context, we have proposed an agro advisory system for the pomegranate field. Wireless sensor network is deployed on field and will continuously monitoring real time environmental, soil, hydrological and crop specific parameters. Those are important for growth, productivity and quality in agriculture. An agro advisory will be disseminated to the farmers according to real time field conditions via SMS and email. The experimental result analysis of proposed system shows improvement over traditional followed methods.**

Keywords: Agro Advisory, Precision Agriculture, Wireless Sensor Network (WSN)

I. Introduction

India is leading country for pomegranate production. In last decade, there is sizable growth in area and production. Pomegranate exportation from country has increased by 3-5 times in this period. It can be taken under varied conditions of country but better in arid and semi-arid regions. Also it is one of the fruit crop taken in semi-arid and arid regions of world. Pomegranate has number of salient features which distinguish it from others. It has to built-in capability to withstand drought, moisture deficit, heat and hostile climate. Due to versatile adaptability, hardy nature, steady but high yields, better keeping quality, and therapeutic values and possibilities to throw the plant into rest period when irrigation potential is normally low, increases the chances for increasing area under pomegranate in country. It has immense nutritional, medicinal and economical value[1][2].

Crop losses for pomegranate due to diseases and pests are quite normal in case of semi-arid region conditions. Bacterial blight, thrips, fruit borer and wilt in pomegranate are considered powerful attacks leading to economical loss and force farmers to repetitive sprays. Figure 1 shows the major diseases and pests of pomegranate. Agriculture environment is dynamic entity and changing continuously. Ground water depletion, soil erosion, attack of new pest and diseases, fragmentation

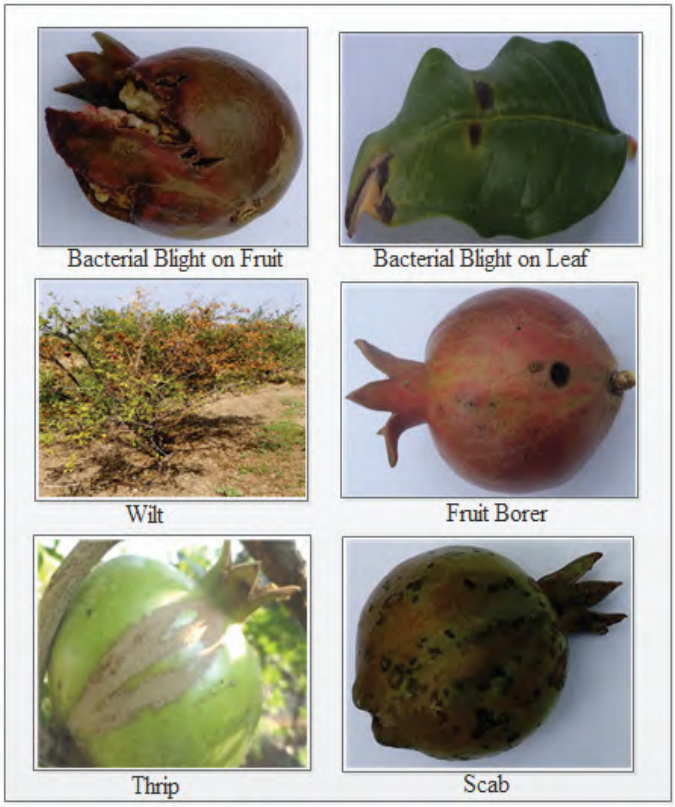

Fig. 1. Diseases and pests of pomegranate

of land, rural-urban migration and power supply availability for farm are some of the new challenges presently being encountered in the agricultural sector. To overcome these issues we have proposed system called an agro advisory. Advisory contains the recommendations to the farmer related to water irrigation, nutrient management and spray scheduling management for diseases and pests with proper application. It issues the advisory to the farmer by considering different parameters and finally application of that on field. As precision agriculture suggest specific production over particular place, data collection (weather, soil, water, equipment and labor costs) and making decision for small piece of field. Decision making will be done on the basis of real time information collected and not based on some hypothetical conditions or on

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Theme: Chemistry / Materials Science

Potassium ferrocyanide promoted an efficient synthesis of benzoxazoles and benzothiazoles under solvent free condition

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Abstract: A mild and efficient method has been developed for the synthesis of 2-Substituted benzoxazole and benzothiazole from condensation of aldehyde and 2-aminophenol or 2-aminothiophenol via oxidation of carbon-nitrogen bond. Potassium ferrocyanide catalyzed one-pot procedure is efficient and allows short reaction times, easy workup, and good yields. Thus, we describe here a method for quick preparation of benzoxazoles & benzothiazoles.

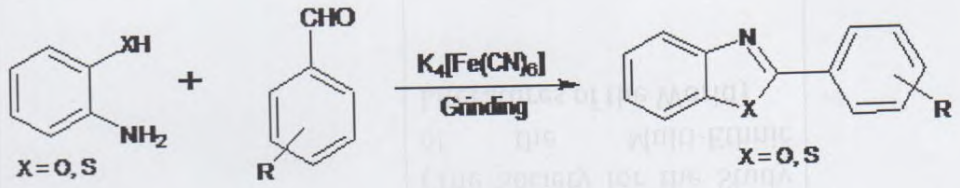


Figure: Synthesis of benzoxazoles and benzothiazoles

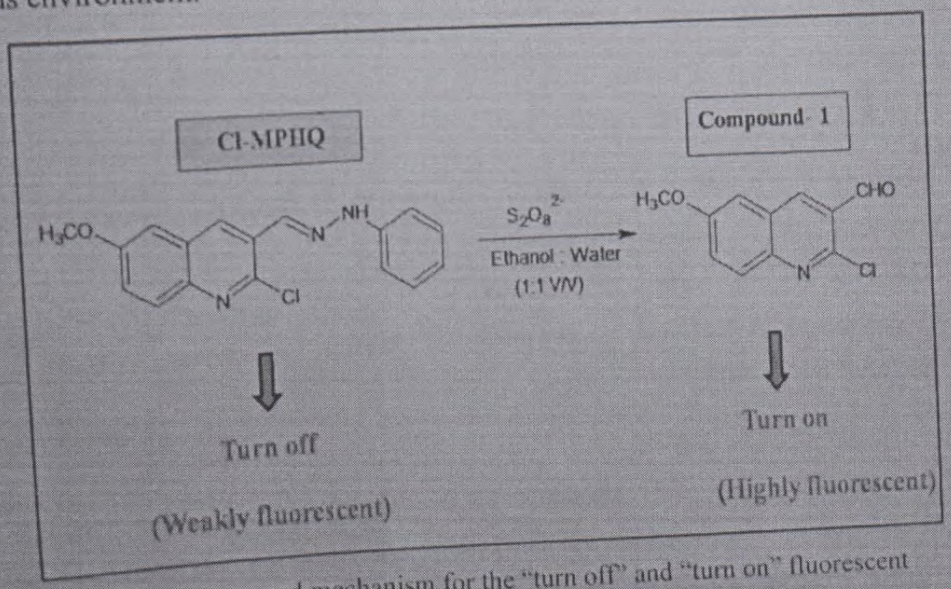
Synthesis of novel fluorogenic probe for detection of persulphate ion in water-ethanol medium

Dhanshri V. Patil,[1] Vishal A. Patil[2]

[1] Department of Chemistry, Krishna Mahavidyalaya, Rethare Bk. Karad-415108
[2] Department of Chemistry, Sanjeevan Engineering and Technology Institute, Panhala, Kolhapur-416201

Abstract

A novel probe 2-chloro-6-methoxy-3-phenylhydrazone quinoline (Cl-MPHQ) for detection of persulphate was synthesized, which displays an extreme selectivity for persulphate over other anions examined in water-ethanol medium. The method was based on selective cleavage of C=N bond in Cl-MPHQ by persulphate and switching on the fluorescence of parent compound 2-chloro-6-methoxyquinoline-3-carboxyaldehyde (compound-1) by its regeneration. This process leads into a dramatic increase in fluorescence intensity of the reacting solution. Because of the oxidizing property of the persulphate under the selected experimental conditions, the proposed probe shows excellent selectivity towards persulphate ion over other anions. The method is simple, sensitive and can be widely applicable for the selective detection of persulphate ion in an aqueous environment.



Scheme: Proposed mechanism for the "turn off" and "turn on" fluorescent changes in Cl-MPHQ after addition of $S_2O_8^{2-}$.

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PROPERTIES AND EFFECTS OF COPPER SLAG IN CONCRETE

M. V. PATIL

Applied Mechanics Department, S.V. National Institute of Technology, Surat, Gujarat

Abstract: Copper slag is a by-product obtained during matte smelting and refining of copper. This work reports an experimental procedure to investigate the effect of using CS as partial replacement of sand. Six series of concrete mixtures were prepared with different proportions of CS ranging from 0% to 100%. The test results of concrete were obtained by adding CS to sand in various percentages ranging from 0% to 100%. All specimens were cured for 7, 28, 56 days before compression strength test. The results indicate that Compressive strength and flexural Strength is increased due to high toughness of copper slag.

Keywords: waste, Copper slag, compression strength, flexural Strength.

I. INTRODUCTION

The amount and type of generated waste has grown as the world population increases. Numerous waste materials result from manufacturing, sewage treatment plants, industries, households, and mining. Many of the wastes produced today will remain in the environment for a long time. At the beginning of this industrialization process, not enough attention was given about the state of the environment; assumptions were made that the nature has the capacity to restore the resources we extract and accept what we throw into it. Copper slag is a by-product obtained during matte smelting and refining of copper. One of the greatest potential applications for reusing copper slag is in cement and concrete production. Many researchers have investigated the use of copper slag in the production of cement, mortar and concrete as raw materials for clinker, cement replacement, coarse and fine aggregates. The use of copper slag in cement and concrete provides potential environmental as well as economic benefits for all related industries, particularly in areas where a considerable amount of copper slag is produced.

1.2 Availability of Natural Sand as Fine Aggregate:

In the last 15 years, it has become clear that the availability of good quality natural sand is decreasing. The research emphasizes on the use of material to be replaced by natural sand which will give new dimension in concrete mix design and if applied on large scale would revolutionize the construction industry by economizing the construction cost and enable us to conserve natural resources.

II. MATERIALS AND METHODS

2.1 Cement

Ultra tech 53 grade ordinary Portland cement is used for this study. This cement is the most widely used in the construction industry in India. The different property of cement is shown in table below. It conforms to various standard test as per IS recommendation.

Table 2.1 Properties of Cement

Property	Average value for OPC used in investigation	Standard value for OPC
Specific Gravity	3.15	-
Consistency (%)	31.5%	-
Fineness By Dry Sieving	8%	<10%
Initial Setting Time (Min)	48	>30
Final Setting Time (Min)	225	<600
Soundness (mm)	2.8	<10
Compressive strength (N/mm^2)		
3-days	28.7	>27
7-days	39.63	>37
28-days	55.94	>53

2.2 Fine Aggregates

The sand particles should be free from any clay or inorganic materials and found to be hard and durable.

2.3 Coarse Aggregates

Coarse aggregates of 10mm and 20mm size is used for the study which is taken from Shiroli MIDC area Kolhapur.And natural sand of river bed is used confirming to grading zone –I of table 4 of IS 383 were procured from local river in Maharashtra.

2.4 Plastizers

Emceplast BV Plastizers is used as directed by the manufacture to improve the workability of fresh concrete mix.

2.5 Water

Water gives strength to cement and workability to the concrete. Drinking water is used for casting and curing of the concrete blocks.

2.6 Physical properties

The physical properties of coarse fine aggregates and copper slag are determined.

A STUDY ON PROPERTIES AND EFFECTS OF COPPER SLAG IN CONCRETE

M. V. PATIL

Applied Mechanics Department, S. V. National Institute Of Technology, Surat, Gujarat.

Abstract- Some of the industrial by-products have been used in the construction industry for the production of concrete. Copper slag is one of the materials that is considered as a waste material which could have been used in construction industry as partial replacement of either cement or aggregates. For this research work, M30 grade concrete was used and the tests were conducted for variousproportions of copper slag replacement with sand of 0%, to100 % in concrete. The obtained results were compared with those of control concrete made with ordinary Portland cement and sand.

Keywords- Copper Slag, Compressive Strength, Split Tensile Strength.

I. INTRODUCTION

The amount and type of generated waste has grown as the world population increases. Numerous waste materials result from manufacturing, sewage treatment plants, industries, households, and mining. While the volume of waste is continuing to grow, approval for facilities that provide proper disposal is becoming more difficult to obtain. Copper slag is a by-product obtained during matte smelting and refining of copper. One of the greatest potential applications for reusing copper slag is in cement and concrete production. The use of copper slag in cement and concrete provides potential environmental as well as economic benefits for all related industries, particularly in areas where a considerable amount of copper slag is produced. Out of the total cost of construction, building materials contribute to about 70% of cost in developing countries like India. Therefore, the need of the hour is replacement of costly and scarce conventional building materials by innovative, cost effective and environment– friendly alternate building materials. The new material should be environment–friendly and preferably utilize industrial wastes generated as a result of rapid industrialization. concrete is widely used construction material for various types of structures due to its durability. Natural resources are depleting worldwide while at the same time the generated wastes from the industry are increasing substantially.

1.2 Availability of Natural Sand as Fine Aggregate :

In the last 15 years, it has become clear that the availability of good quality natural sand is decreasing. Crushed aggregate, bottom ash, foundry sand and various by-products are replacing natural sand and gravel in most countries. The research emphasizes on the use of material to be replaced by natural sand which will give new dimension in concrete mix design and if applied on large scale would revolutionize the construction industry by economizing the construction cost and enable us to conserve natural resources.

II. MATERIALS AND METHODS

2.1Cement

Vasvadatta 43 grade ordinary Portland cement is used for this study. This cement is the most widely used in the construction industry in India. The different property of cement is shown in table below.

Table 2.1 Properties of Cement

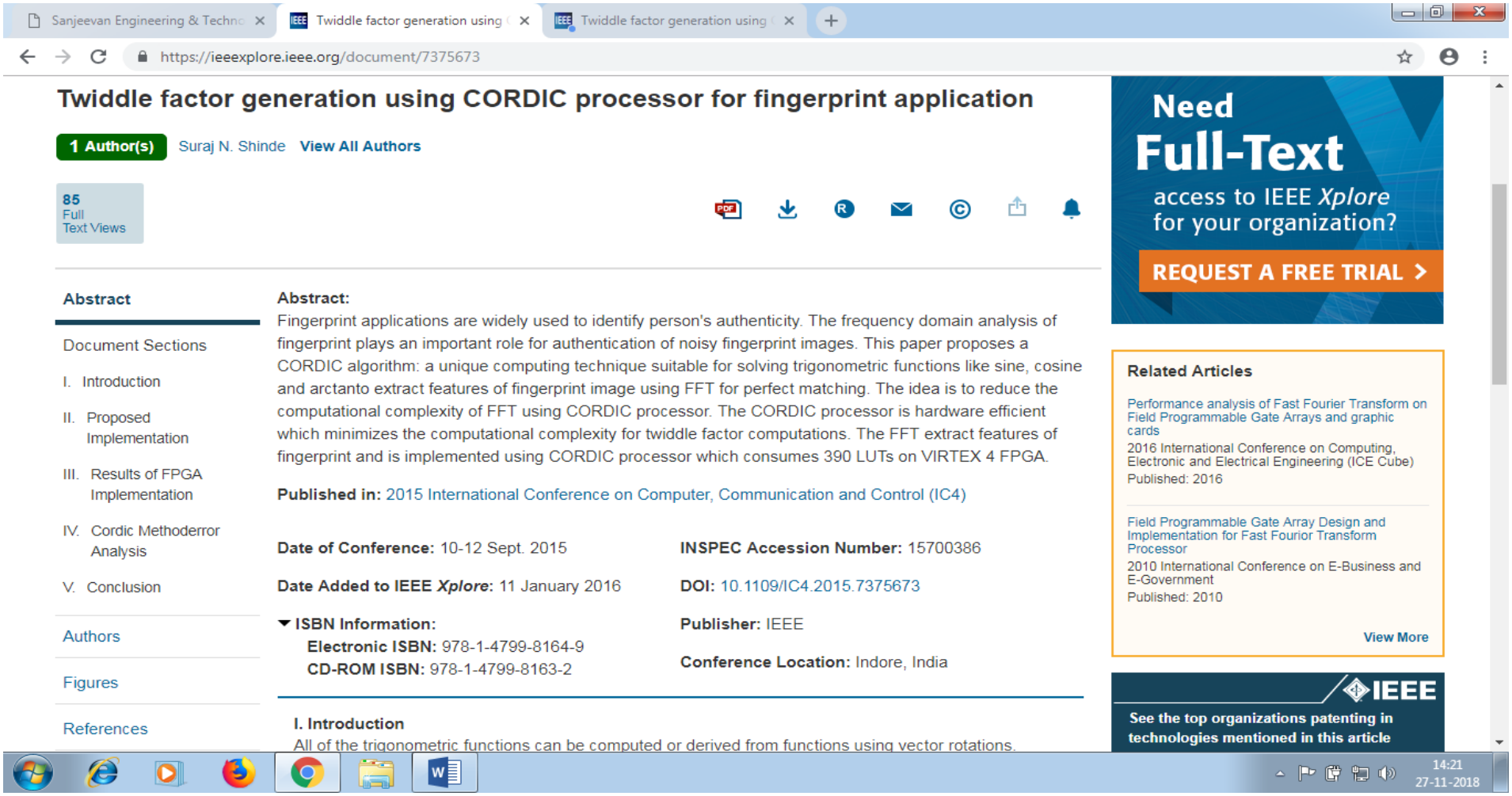
Property	Average value for OPC used in investigation	Standard value for OPC
Specific Gravity	3.05	-
Consistency (%)	29%	-
Fineness By Dry Sieving	7.8%	<10%
Initial Setting Time (Min)	45	>30
Final Setting Time (Min)	239	<600
Soundness (mm)	3.6	<10
Compressive strength (N/mm^2)		
3-days	24.7	>23
7-days	35.63	>33
28-days	45.94	>43

2.2 Fine Aggregates

The aggregate size is lesser than 4.75mm is considered as fine aggregate. The sand particles should be free from any clay or inorganic materials and found to be hard and durable.

2.3Coarse Aggregates

Coarse aggregates of 10mm and 20mm size is used for the study which is taken from Shiroli MIDC area Kolhapur.And natural sand of river bed is used confirming to grading zone –I of table 4 of IS 383 were procured from local river (Krishna river) in Maharashtra.The aggregate size is bigger than 4.75mm is considered as coarse aggregate. Dried angular coarse aggregate of 20mm maximum size and 10mm minimum size locally available was used for experiment.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IV. Cordic Methoderror Analysis
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Abstract:
Fingerprint applications are widely used to identify person's authenticity. The frequency domain analysis of fingerprint plays an important role for authentication of noisy fingerprint images. This paper proposes a CORDIC algorithm: a unique computing technique suitable for solving trigonometric functions like sine, cosine and arctanto extract features of fingerprint image using FFT for perfect matching. The idea is to reduce the computational complexity of FFT using CORDIC processor. The CORDIC processor is hardware efficient which minimizes the computational complexity for twiddle factor computations. The FFT extract features of fingerprint and is implemented using CORDIC processor which consumes 390 LUTs on VIRTEX 4 FPGA.
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Publisher: IEEE
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I. Introduction
All of the trigonometric functions can be computed or derived from functions using vector rotations.
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Development of wireless embedded automation system for batch process

4 Author(s) Vivek Kadam ; Sharad Jadhav ; Mahesh Parihar ; Amit Karande View All Authors

Abstract:
Presently industrial automation is growing rapidly emphasizing on centralized monitoring and independent control of sub-systems. This increases the number of remote sub-systems, which need intermediate communication. Another challenges observed are the reduction of system size and the maintenance cost with flexibility in operation. Regulatory, repetitive sequential control and interlocking are the typical mandatory requirements for batch execution and safety. This paper presents development and analysis of prototype system for wireless controlling and monitoring of the batch process experimental set-up. It proposes the efficient utilization of ARM micro-controller for the real-time monitoring and control of temperature and level. A graphical user interface using Visual Studio.NET is developed to operate the plant remotely. This facilitates the user to control, supervision and data acquisition through wireless communication between laboratory set-up and user interface via ZigBee protocol. Sensitivity and linearity analysis of RTD output and ultrasonic level sensor output is carried out citing fair linearity of RTD and level sensors calibration. Additionally errors in calculated and observed output at ADC are also investigated. The normal operation and safety interlocks have been identified, executed & validated to mitigate the hazardous events in plant considering the possibility of failure of temperature and level sensors. The proposed system is developed successfully and works in defined manner with overall satisfactory performance.

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Publisher: IEEE

Conference Location: Ahmedabad, India

I. Introduction

An optimal IMF selection based on fast BEEMD with Dlac analysis for detection of Polyp and Ulcer in WCE images

2 Author(s) Sharad. T. Jadhav ; Sanjay H. Dabhole **View All Authors**

Abstract:
The main contribution of this paper is the presentation of a novel tool for WCE image analysis and classification by exploiting color-texture features. The proposed scheme has based on the ingenious combination of optimal selection of image components (IMFs) of BEEMD and DLac, applied on the green/red component of WCE images in order to identify ulcerations and polyp affected images from WCE images. Optimal IMF's of BEEMD was exploited to reveal the intrinsic components (IMFs) of the images in order to achieve data driven, Coefficient of standard Deviation and efficient SVM classifier to boost the distinctness between polyp and ulcer regions. However, DLac analysis facilitates to extract efficient texture characteristics. The proposed approach has evaluated on selected WCE images, captured from patients, depicting ulcer and polyp tissue. The optimum image components (IMFs) that contain the majority of texture information include IMFs 5- 8which produce 100% accuracy for ulcer images. Individual IMFs score up to 80 % classification accuracy, while their higher exploitation as a group enhances the detection rate up to 93.34% for ulcer and 90% for polyp tissue.

Published in: 2015 2nd International Conference on Electronics and Communication Systems (ICECS)

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Publisher: IEEE
Conference Location: Coimbatore, India

I. Introduction

A branch of medicine closely associated with one of these techniques, namely visualinspection, is gastro-

An efficient codec of 2D adaptive directional lifting based on CDF9/7 with improved SPIHT algorithm for lossy to lossless image coding

2 Author(s) Sanjay H. Dabhole ; Sharad. T. Jadhav View All Authors

Abstract:
Lifting is an efficient algorithm to implement the discrete wavelet transform in order to overcome the drawbacks of the conventional wavelet transform that does not provide a compact representation of edges which are not in horizontal and vertical directions. The lifting scheme provides a general and flexible tool for the construction of wavelet decompositions and perfect reconstruction filter banks. It has been adopted in JPEG 2000. The paper follows this research line, improved SPIHT based on adaptive coding becomes analyzed and tuned with two dimensional Adaptive Directional Lifting based on CDF 9/7 has structured for lossy to lossless JPEG 2000 image coding. The proposed 2D-ADL scheme incorporates the directionally spatial prediction into the conventional lifting based on 9/7 wavelet transform and forms a novel, efficient and flexible lifting structure with proposed scaling coefficients. In order to obtain better compression on image edge, an improved Set Partitioning In Hierarchical Trees (ASPIHT) algorithm based on prior scanning the coefficients around which there were more significant coefficients was replaced with conventional SPIHT. Although, the proposed 2D-ADL based on CDF9/7 scheme followed by ASPIHT codec significantly reduce edge artifacts and ringing and outperforms the conventional 1D lifting scheme followed by SPIHT upto 12dB as reported.

Published in: 2015 2nd International Conference on Electronics and Communication Systems (ICECS)

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Hybrid Permanent Magnet and Foil Bearing System for Complete Passive Levitation of Rotor

Siddappa Iranna Bekinal, Tumkur Ramakrishna rao Anil, Sadanand Subhas Kulkarni and Soumendu Jana

Abstract This paper deals with the complete passive levitation for a typical Jeffcott rotor and rotation of the same at the speeds around 40,000 rpm. The passive levitation is achieved by supporting the rotor axially by a permanent magnet bearing and discrete bump foil bearings for the radial support. The permanent magnet bearing is made up of three pairs of ring magnets arranged in Halbach pattern. Bump foil bearings are designed for rotor weight to provide the radial support to the rotor system. The proposed rotor-bearing configuration is analysed using Finite Element Analysis (FEA) software (ANSYS) for rotor dynamic characteristics. The designed rotor bearing system is fabricated and tested up to the speeds of 40,000 rpm. The system response is acquired using advanced rotor-dynamic data acquisition system. The experimental results show that the rotor is completely airborne and stable at the desired speed.

Keywords Foil bearings · Permanent magnet bearings · Halbach structure · Passive levitation and rotor dynamics

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Chapter 90
Comparative Study of Prototype and Simulation of SVC for Transmission Congestion Management

Khatavkar Vrushali, Redekar Abhijeet and Dharme Anjali

Abstract In deregulated/restructured power system, congestion of electrical power is a major problem. The solution includes the management methodologies namely technical and pricing methods. The technical methods suggest the use of FACTS controllers to reduce the congestion without considering the economic matters. This work deals with designing a prototype of Static VAR Compensator (SVC). This SVC prototype comprises of 440 kV, 300 km modular transmission line model which operates on lab voltage i.e. 400 V, 50 Hz, and compensator consisting of three delta connected capacitors together with three delta connected air gap type linear inductors along with two anti-parallel thyristors. Modelling has been done considering two modes of thyristor i.e. when thyristor is ON and second when thyristor is OFF. Both modes are characterised by the time duration. With these two modes, two second order differential equations are derived and finally converted into second order state space model. This state space model will be helpful to predict the load voltage behaviour. SVC is modelled in MATLAB Simulink and simulation results are compared with the prototype results to validate the controller design parameters. The aim of this work is to enhance voltage stability and increase power transfer capability of the long transmission line using FC-TCR configuration of Static VAR Compensator.

Keywords Static VAR compensator (SVC) · Fixed capacitor thyristor controlled reactor (FC-TCR) · PID controller

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C. Kamalakannan et al. (eds.), *Power Electronics and Renewable Energy Systems*,

Morphometric Analysis of Kasari River Basin, Kolhapur District, Maharashtra, India

Hemantkumar D. Bhosale
Sanjeevan Engineering and Technology Institute, Panhala
E-mail: hemant5834@yahoo.co.in

Abstract: *- Morphometric analysis was done to determine the drainage characteristics of Kasari watershed using topographic maps. This watershed divides in to 3 sub basins. The drainage pattern of sub basins is dendritic and parallel. The basin includes highest 6 order stream is the role stream and the area covers 1177.50 Sq. Km. the analysis clearly indicates some relations among the various attributes of the Morphometric aspects of the watershed and helps to understand their role in sculpturing the surface of the region.*

Keywords: - sub watershed, Drainage pattern, dendritic, stream sculpturing.

1. Introduction :

Morphometry is the measurement and mathematical analysis of the configuration of the earth's surface, shape and dimensions of its landforms (Agarwal, 1998; Obi Reddy et al., 2002). The quantitative analysis if the drainage basin is an important aspect of characteristics of watershed (Strahler 1964). The Morphometric study of the drainage basin is aimed to acquire accurate data of measurable features of streamnetworkof the drainage basin. Drainage provides basics to understand initial slope, inequalities in rock hardness, structural control, geological and geo-morphological history of the drainage. Drainage parameters to spatial relationship are streams or rivers which may be influenced in their erosion by inequalities of slope, soils, rock resistance, structure and geological history of a region. The drainage basin analysis is carried out quantitatively for three sub water shed. The quantitative drainage analysis is done aspect wise such as linear aspects, aerial aspects and relief aspects. The main aspect of the present study to derive the different drainage characteristics of the Kasari River watershed and to understand the relationship among them.

2. Study area:

The study area is located between North Latitudes $16^{0}30^{1}$ and $16^{0}55^{1}$ North and East Longitude $73^{0}40^{1}$ and $74^{0}15^{1}$. The studied area falls in the Survey of India Toposheet No. 47 H/13, 47 H/14, 47 L/1, and 47 L/2 of the scale 1:50000. The area experiences humid and subtropical climate having heavy rainfall from June to September. The temperature varies between 12^{0}C to 40^{0}C. Average annual temperature is 30^{0} C. During the rainy season the area receives moderate to heavy rainfall of the SW Monsoon. The average annual rainfall is 2685 mm. October to January are the months of pleasant climatic conditions and is regarded to be as a winter season.

The area is mostly covered by dense mixed jungle The Kasari river basin falls in the Deccan Basaltic province and is situated on Western Ghats. The trap basalt generally is characterized by thick tabular sheets of large aerial extent. The flows are horizontal with flat-topped hills having step like terraces. . The basalts of Kasari river basin are of two type according to Adyalkar (1984). They are (1) Aa type and (2) Pahoe hoe type. The former is of the major occurrence in the Kasari river basin. The Aa type basalt are further signified by presence and absence of vesicles that make them to be classified as (a) amygdaloidal basalt and (2) compact vesicular basalt. The amygdaloidal basalts are vesicular in nature and the majority of vesicles are partially or completely filled with zeolitic minerals. The loner portion of the flow unit is represented by compact basalt. The compact basalt is generally black but at places purple or greenish shades are noticed due to alterations. At some areas the red boles are observed along road cuttings as at Kololi phata. The flows of the area are of Aa type (Beaney et al. 1986). These shows a basal section having chilled basalt or greyish clinker with fragments of highly vesicular or dense purple trap cemented by zeolites. The nine Basaltic flows of approximately 60 m each in Kasari basin belongs to Panhala formation of Wai subgroup of Deccan basalts.

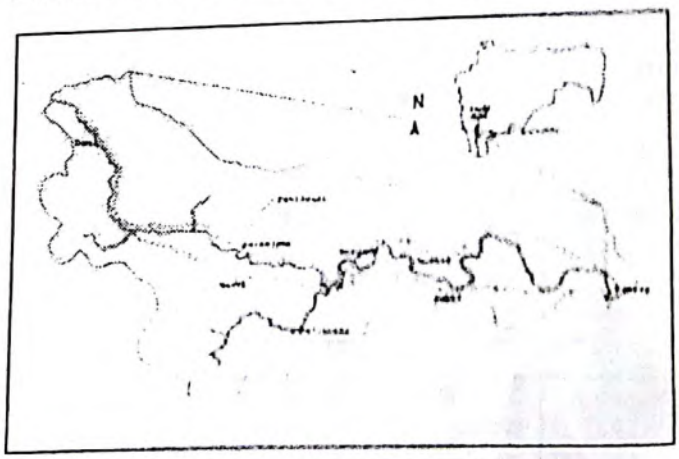

Fig 1 Drainage basin of kasari river, Kolhapur Maharashtra, India

3. Data used and methodology:

The Survey of India Toposheet No. 47 H/13, 47 H/14, 47 L/1, and 47 L/2 of the scale 1:50000 has been used for drainage map.. The different Morphometric parameters has been calculated by using formula for stream ordering method suggested by Strahler (1956)

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PARAMETRIC STUDYOF THREE SPAN CABLE STRAYED BRIDGES

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Keywords: stiffness, cable stayed bridge, pylon moment, torsional girder moment

ABSTRACT: *The present work is deals with the Parametric Study of bridges by stiffness method. In this work moving load is considered and effect on cable stayed bridge girder and pylon is considered. For this three span cable stayed bridge are considered with box girder deck. The cable stayed bridge has light decks and the tensile cables as part of a closed force system. The compression within the deck and pylon are by balanced by tensile cables. It proved to be more economical for long spans as compare to other types of bridges. It is because of its simple form cable stayed bridges have gained significant importance in recent years due to their economic advantages, adaptability to regions with difficult access, aesthetic and also due to their minimal impact on environmentally sensitive terrain during the construction phase.*
In this work parametric study is carried out. For this various parameters considered those are side span to main span ratio, number of cables, cable stiffness, girder stiffness (i.e. width of girder constant and depth variable), cable configuration, and cross section shape of exterior girder of box girder. Considering these parameters maximum bending moment in the girder, maximum shear force, maximum axial force, maximum torsional moment, maximum pylon moment, maximum deflection in girder and pylon are found out. Thus in this work we have considered different parameters and these are studied through graphical representation so that we can know the variation in results obtained for all the parameters as mentioned above. For this three span cable stayed bridge are considered with box girder deck and analysis in SAP 2000.

1. INTRODUCTION

Bridges play very important role in development of human life. Bridge is an important element in a transportation system, as its capacity governs the capacity of system, its failure or reduced performance will result in serious disruption of traffic flow. Bridges enhance the growth of cities and aid social, cultural and economical improvements of the areas around them. Along with the social and economical development, the great demand on highway engineering is for construction of long span cable stayed bridges. More and more super long-

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Mechanical Properties of Concrete Containing Waste Glass Powder & Industrial Waste Sand

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Abstract- Foundry sand consists primarily of silica sand, coated with a thin film of burnt carbon, residual binder (Bentonite, sea coal, resins) and dust. Foundry sand can be used in concrete to improve it's strength & other durability factors. Foundry Sand can be used as a partial replacement of cement or as a partial replacement of fine aggregates or total replacement of fine aggregate and as supplementary addition to achieve different properties of concrete.

Recycling, disposal and decomposing of waste glass possesses major problems for Municipalities everywhere and this problem can be greatly eliminated by re-using waste glass as cement replacement in concrete. Moreover, there is a limit on the availability of natural aggregate and minerals used for making cement, and it is necessary to reduce energy consumption and emission of carbon dioxide resulting from construction processes, solution of this problem are sought thought usages of waste glass as partial replacement of Portland cement. Replacing cement by pozzolanic material like waste glass powder in concrete, reduces the workability. Therefore, the concrete containing waste glass powder needs to be investigated.

Index Terms— foundry sand, waste glass, concrete, curing compound

I. INTRODUCTION

It has been estimated that several million tons of waste glasses are generated annually worldwide. The key sources of waste glasses are waste containers, window glasses, window screen, medicinal bottles, liquor bottles, tube lights, bulbs, electronic equipments etc. Only a part of this waste glass can be used in recycling. The remaining waste glass cannot be used for any purposes. But recently the research has shown that the waste glass can be effectively used in concrete either as glass aggregate (as fine aggregate or as coarse aggregate) or as a glass pozzolana. The waste glass when grounded to a very fine powder shows some pozzolanic properties. Therefore the glass powder to some extent can replace the cement and contribute for the strength development. In this paper an attempt is made to find out the effect of temperature on the properties of concrete containing waste glass powder as pozzolana.

Metal foundries use large amount of sand as part of the metal casting process. Foundries successfully recycle & reuse the sand many times in a foundry. When the sand can no longer be reused in the foundry, it is removed from the foundry & it is termed as foundry sand. Like many waste products foundry sand has beneficial applications to other industries.

II. PREVIOUS WORK AND SATIATION

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An attempt is made to find out the effect of temperature on the properties of concrete containing waste glass powder as pozzolana. The cement is replaced

Shree Warana Vibhag Shikshan Mandal's

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43rd ISTE National Annual Convention

19th - 21st December 2013

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This is to certify that ~~Dr./Prof./Mr./Ms.~~ Shrivallabh S. Chavan *has* ~~participated~~ / *presented paper* / ~~project~~ ~~thesis~~ ~~competition~~ *in the 43rd ISTE National Annual Convention on "Empowering Technical Education to Address Sustainability and Global Competitiveness", held at Tatyasaheb Kore Institute of Engineering and Technology, Warananagar during 19th - 21st December 2013.*

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Challenges in Concrete Containing Industrial Waste Sand & Waste Glass Powder

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Sanjeevan Engineering & Technology Institute
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Mr. Sachin V. Bhosale
Tatyasaheb Kore Institute of Engineering & Technology
Warnanagar, Pahhala, India
svbhosale2008@gmail.com

Abstract-

Used-foundry sand is a by-product of ferrous and nonferrous metal casting industries. Foundries successfully recycle and reuse the sand several times in a foundry. When the sand can no longer be reused in the foundry, it is removed from the foundry and is termed used/spent foundry sand or Industrial Waste Sand (IWS). In an effort to utilize Industrial Waste Sand in large volumes, research is being carried out for its possible large-scale utilization in making concrete as partial replacement of fine aggregate.[7] Glass powder exhibits pozzolanic properties but is dependant upon fineness of the powder.[5] It is recommended that the utilization of waste glass powder in concrete as cement replacement is possible.[3] When glass is used in fine particle size (13 µm) as partial replacement for cement in concrete, it is estimated to undergo pozzolanic reaction that results in improved microstrcuture of recycled aggregate concrete through improvement in the quality of remnant mortar/paste attached to the surface of recycled aggregate that subsequently forms interface between recycled aggregate and new mortar in recycled aggregate concrete.[4]

Foundry sand consists primarily of silica sand, coated with a thin film of burnt carbon, residual binder (Bentonite, sea coal, resins) and dust. Foundry sand can be used in concrete to improve it's strength & other durability factors. Foundry Sand can be used as a partial replacement of cement or as a partial replacement of fine aggregates or total replacement of fine aggregate and as supplementary addition to achieve different properties of concrete.

Recycling, disposal and decomposing of waste glass possesses major problems for Municipalities everywhere and this problem can be greatly eliminated by re-using waste glass as cement replacement in concrete. Moreover, there is a limit on the availability of natural aggregate and minerals used for making cement, and it is necessary to reduce energy consumption and emission of carbon dioxide resulting from construction processes, solution of this problem are sought thought usages of waste glass as partial replacement of Portland cement. Replacing cement by pozzolanic material like waste glass powder in concrete, reduces the workability. Therefore, the concrete containing waste glass powder needs to be investigated.

Index Terms— foundry sand, waste glass, concrete,

Introduction

It has been estimated that several million tons of waste glasses are generated annually worldwide. The key sources of waste glasses are waste containers, window glasses, window screen, medicinal bottles, liquor bottles, tube lights, bulbs, electronic equipments etc. Only a part of this waste glass can be used in recycling. The remaining waste glass cannot be used for any purposes. But recently the research has shown that the waste glass can be effectively used in concrete either as glass aggregate (as fine aggregate or as coarse aggregate) or as a glass pozzolana. The waste glass when grounded to a very fine powder shows some pozzolanic properties. Therefore the glass powder to some extent can replace the cement and contribute for the strength development. In this paper an attempt is made to find out the effect of industrial waste sand on the properties of concrete containing waste glass powder as partial pozzolanoic replacement.

PREVIOUS WORK AND SATIATION

An attempt has been made to find out the workability of concrete produced by replacing the cement with waste glass powder in various percentages ranging from 5% to 40% in increments of 5%. Higher strength was achieved when 20% cement was replaced by glass powder in concrete. [2] [3]

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Use of sand for compacted clay liner with Addition of bentonite

S. A. Agnihotri[1], O.S. Powar[2], S.M. Bhosale[3]

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[2 & 3] Assistant Professor, Department of Civil Engineering, Department of Technology, Shivaji University, Kolhapur - 416 007, India

Abstract— **The huge growth in population and industrialization results in water scarcity problem and hence we started ground water extraction. Due to the direct dumping of municipal solid waste as well as industrial solid waste a large quantity of leachate is percolating through ground. Hence the term engineered landfill design is comes in view. Liner is the one main part of the landfill design. The main concentration is given on compacted clay liner because it is quite cost effective than other liner systems**

Sand which is easily available everywhere is taken for design of compacted clay liner. As sand may not have required permeability, sodium bentonite is added with it. Experimental work shows that 7% bentonite in sand can give the best results for construction of compacted clay liner using sand. The sand-bentonite mixture with 7% bentonite shows 7.49×10^{-8}cm/sec permeability. This value is less than required permeability as per different regulation.

Keywords: **Sand, Bentonite, Leachate, EPA, Liner.**

I. INTRODUCTION

Industrialization brought forth with it the associated problems. The industrial activities generated large quantities of wastes. Part of these wastes in different physical forms such as solids liquids and gases turn as pollutants in due course. Based on the safety level, these wastes can be hazardous or non hazardous. Wastes can be controlled by different options such as waste reduction at source, resource recovery through separation and recycling, resources recovery through waste processing, waste transformation and environmentally sustainable disposal on land. Despite all efforts,

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Mechanical Properties of Concrete Containing Waste Glass Powder & Industrial Waste Sand

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Abstract- Foundry sand consists primarily of silica sand, coated with a thin film of burnt carbon, residual binder (Bentonite, sea coal, resins) and dust. Foundry sand can be used in concrete to improve it's strength & other durability factors. Foundry Sand can be used as a partial replacement of cement or as a partial replacement of fine aggregates or total replacement of fine aggregate and as supplementary addition to achieve different properties of concrete.

Recycling, disposal and decomposing of waste glass possesses major problems for Municipalities everywhere and this problem can be greatly eliminated by re-using waste glass as cement replacement in concrete. Moreover, there is a limit on the availability of natural aggregate and minerals used for making cement, and it is necessary to reduce energy consumption and emission of carbon dioxide resulting from construction processes, solution of this problem are sought thought usages of waste glass as partial replacement of Portland cement. Replacing cement by pozzolanic material like waste glass powder in concrete, reduces the workability. Therefore, the concrete containing waste glass powder needs to be investigated.

Index Terms— foundry sand, waste glass, concrete, curing compound

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A Review on Photovoltaic Module Based Grid Connected Power Inverter
in the IEEE International Conference on Power, Energy & Control (ICPEC'13) held at PSNA College of Engineering & Technology, during February 06-08, 2013.

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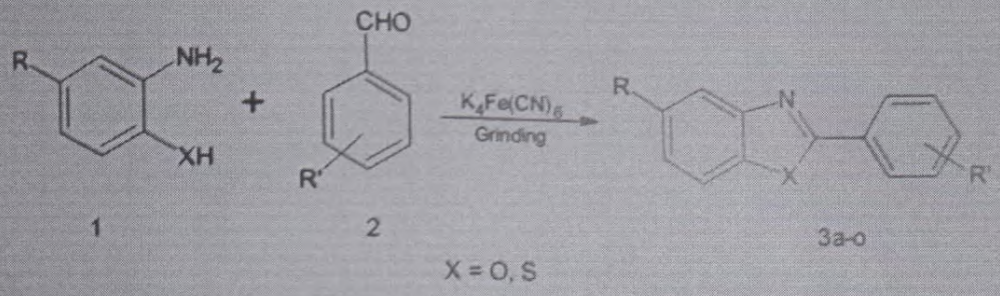
PP 7

POTASSIUM FERRO-CYANIDE CATALYZED HIGHLY RAPID SYNTHESIS OF BENZOXAZOLES AND BENZOTHIAZOLES UNDER SOLVENT FREE CONDITION

Vishal A. Patil,[a] B. P. Bandgar,[b] Kabeer A. Shaikh[b]*

[a]Organic Synthesis Laboratory, Department of Chemistry, Sir Sayyed College, Aurangabad-431 001, Maharashtra, India
[b]Medicinal Chemistry Research Laboratory, Solapur University, Solapur-413255, M.S., India
shaikh_kabeerahmed@rediffmail.com

Benzothiazoles and benzoxazoles are very important group of heterocyclic compounds that have many applications in both pharmaceutical and industrial research. They are widely found in bioorganic and medicinal chemistry with applications in drug discovery such as antitumour, anticonvulsant, and antiviral applications.[1-3] They have also found applications in industry as antioxidants, vulcanization accelerators, and as a dopant in a light-emitting organic electroluminescent device.[4,5]
Due to their wide range of pharmacological activity in synthetic and industrial applications, the synthesis of these compounds has recently received a great deal of attention for the discovery of improved protocols towards milder and high yielding approaches.



Scheme: Synthesis of Benzoxazoles and Benzothiazoles

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PP 6

STANNOUS CHLORIDE AS AN EFFICIENT CATALYST FOR THE SYNTHESIS OF 1,5-BENZODIAZEPINE DERIVATIVES UNDER SOLVENT FREE CONDITIONS

Vishal A. Patil,[a] B. P. Bandgar,[b] Kabeer A. Shaikh[b]*
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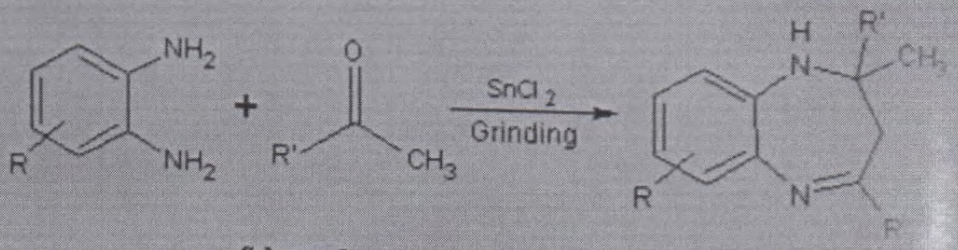
Benzodiazepines have recently attracted attention as an important class of heterocyclic compounds in the field of drugs and pharmaceuticals. These compounds are widely used as anticonvulsant, antianxiety, analgesic, sedative, antidepressive, hypnotic agents [1-4] as well as anti-inflammatory agents. [5] Other than their biological importance, benzodiazepine derivatives are also commercially used as dyes for acrylic fibers. [6] Moreover, 1,5-benzodiazepine derivatives are valuable synthons that can be used in the preparation of other fused ring compounds such as triazolo-, oxadiazolo-, oxazino-, or furano-benzodiazepines. [7-10] As a result, research in this area is still very active and is directed toward the greener synthesis of compounds with excellent yield. In recent years, Stannous Chloride is frequently used in organic synthesis [11] as a catalyst due to its properties such as nontoxic nature, easy availability, inexpensiveness and easiness for work up. Various biologically important 1,5-benzodiazepine derivatives were efficiently synthesized in excellent yields using catalytic amounts of Stannous Chloride (10 mol %). This inexpensive, nontoxic, and readily available catalyst efficiently catalyzes the condensation of several aromatic ketones with substituted o-phenylenediamines.



Scheme: Synthesis of 1, 5-benzodiazepines

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PP 5

POTASSIUM FERRO-CYANIDE CATALYZED AN EFFICIENT AND CONVENIENT SYNTHESIS OF BENZOXAZOLES AND BENZOTHIAZOLES

Vishal A. Patil,[a] B. P. Bandgar,[b] Kabeer A. Shaikh[a]*

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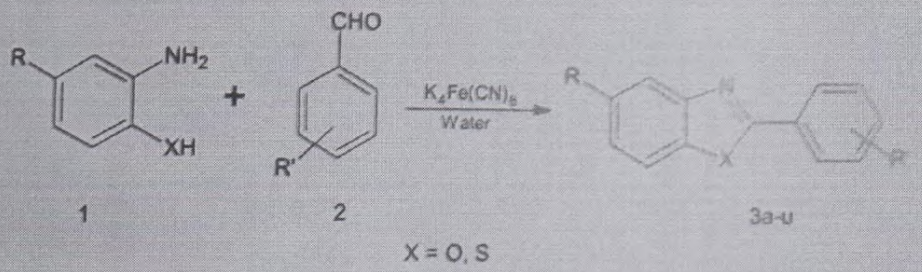
[b]Medicinal Chemistry Research Laboratory, Solapur University, Solapur-413255, M.S., India
shaikh_kabeerahmed@rediffmail.com

Benzoxazoles and benzothiazoles are very important group of heterocyclic compounds that have many applications in both pharmaceutical and industrial research. They are widely found in bioorganic and medicinal chemistry with applications in drug discovery such as antitumour, anticonvulsant, and antiviral applications.[1-3] Because of these potent biological activities, the research still continuous to have a better methodology for the synthesis of benzoxazoles and benzothiazoles in terms of simplicity, eco- friendly and economic viability, which is achieved by using Potassium ferro-cyanide.

The metal co-ordinate complex $K_4[Fe(CN)_6]$ is an efficient and environmentally benign catalyst[4-6] used for the synthesis of benzoxazoles and benzothiazoles from various aldehydes and o-aminophenol/o- aminothiophenol in aqueous medium at room temperature. This protocol gives excellent yield of products with desired purity.



Scheme: Synthesis of Benzoxazoles and Benzothiazoles

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CERTIFICATE

This is to certify that the paper entitled *'The Lean Ahead – For Continuous Improvements'* was presented in-absentia by **Muzammil Bepari** at the International Conference on Technology and Business Management organized at the UOWD Dubai.

INFOMS

(2317/107)

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Experimental Investigation of Shrinkage Properties of Concrete Containing Hybrid Fibers

Nikhil N. Mudgal[1], Amit C. Thoke[2] and Shrivallabh S. Chavan[3]
[1]Civil Engineering Department, Rajarambapu Institute of Technology, RajaramnagarIslampur, Sangli Maharastra, India
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Abstract—Volume change is one of the most detrimental properties of concrete, which affects the long-term strength and durability. The important factors that contribute to the cracks in floors and pavements is that due to shrinkage. It is difficult to make concrete which does not shrink and crack. Efforts are made to reduce the shrinkage and shrinkage cracks. The main objective of this experimentation is to study the shrinkage properties of concrete containing hybrid fiber. The percentage of monofibers like steel, polypropylene, GI, HDPE, and percentage of hybrid fibers like (steel+ polypropylene), (steel+ HDPE), (steel+ GI) used in the experimentations were kept constant (by volume fraction). The experimental results indicated that the hybrid fiber reinforced concrete achieves reduction in the shrinkage cracks in concrete compared with their corresponding mono fibers.

Keywords: Concrete, Fiber, Hybrid Fiber, Shrinkage parameters.

I. INTRODUCTION

Plastic shrinkage is an inherent property of all concrete and is potentially one of the most severe problems facing the concrete industry. Plastic shrinkage cracks can severely compromise structural integrity and durability and the consequences are often not known until late in structures life. For this reason, concrete mixes should be proportioned such that minimal plastic shrinkage occurs. However, because the mechanisms governing plastic shrinkage are relatively unknown, it is becoming increasingly common practice to tolerate plastic shrinkage and use the fibers to limit the affect of any cracks that arise.

Plastic cracking is common in concrete structures and is often accompanied by loss of serviceability with severe economic consequences and possibly litigation. Jointing and reinforcement can control shrinkage cracks, but plastic cracking, which can be both random and intense, can become well established before significant hydration has occurred. In flat work, it is probably the dominant form of unplanned cracking.[1]

Plastic shrinkage cracking of concrete occurs within the first few hours after the concrete is placed and before it attains any significant strength; it results in an unsightly and non uniform appearance on the concrete surface. Plastic shrinkage cracks become critical weak points for aggressive substances to penetrate into internal portion of concrete leading to the acceleration of other detrimental forms of concrete deterioration. Consequently, the performance, serviceability, durability and aesthetic qualities of concrete structures are reduced. Controlling plastic shrinkage cracking in concrete is essential for developing more durable and longer-lasting structures at minimum life-cycle cost.

One of the primary causes of plastic shrinkage cracking is the loss of water from evaporation that leads to a built-up tensile shrinkage stress when concrete is subjected to sufficient restraint. When the rate of water loss due to evaporation exceeds the rate at which the bleed water is supplied to the surface, negative capillary pressures form that result in volume changes in the concrete. Tensile stresses in the paste form due to negative capillary pressure and the development of strength in the concrete. Cracking occurs if the tensile stresses are greater than tensile strength of the concrete.[2]

Shrinkage and creep have a significant impact on the performance of concrete structures. They cau deflections and affect the stress distribution reinforced concrete structure and within concre elements.[3]

Hybrid fibers of different sizes and types may p important roles in resisting cracking at different sca

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National Conference on Recent Advancements in Engineering (NCRAE-12)

Dynamic Analysis of Nuclear Containment using Finite Element Method

Abhijeet H. Kumbhar[1] and Shrivallabh S. Chavan[2]

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***Abstract*—Recent Earthquake felt at three Nuclear Power Plant in India viz., Kakrapar, Narora and Kota has created anxiety in the mind of certain section of society, as to how these plants behaved during the seismic events. Nuclear containment is a specialized structure; dynamic analysis should be carried out with internationally accepted standard code like ASCE-4-98, STUK, and NRC. Nuclear power plant consists of various structures, systems and equipments. Development of mathematical model for seismic effect requires careful consideration. Three dimensional finite element mathematical models are used to represent complex structures. In dynamic analysis of containment, generally two levels of seismic parameters are prescribed as Safe Shutdown Earthquake having probability once in 10, 000 years and Operating Basis Earthquake having probability once in 100 years. This work aims at evaluating the structural behavior of nuclear containment for earthquake forces, for the same Response Spectrum method was used for analysis .On basis of detailed stress analysis of a typical containment, it is concluded that results discussed in paper lead to safe and effective reliability for dynamic design of containment structures.**

***Keywords:** Dynamic Analysis, Nuclear Containment, Response Spectrum, stability of structure, Finite Element Method.*

I. INTRODUCTION

The Nuclear Power Plant (NPP) consists of various structures Systems and Equipment (SS&E) which are designed to resist Earthquake forces. Earthquake is a natural phenomenon, which is generated in earth's crust. The earth's crust is made up of mosaic of several tectonic plates. These tectonic plates are constantly moving slowly in different directions resulting in gradual accumulation of strains over a large rock mass at the plate boundaries. When the accumulated strain exceeds the strength of the rocks, these rocks rupture resulting in sudden release of stored strain energy which is transmitted in the form of seismic waves, generating ground vibrations traveling far and wide and get attenuated as they travel. Such ground vibrations or base motion of the plant building gets transmitted through the intermediate structures of the building to the SS&E which are mounted on the floors or walls of the building. The earthquake motion mainly induces inertial forces in the SS&E of the plant. The NPP structure, system and equipment are designed to resist these earthquake forces along with other loads, viz., gravity, pressure, thermal loads etc.

II. COMPONANT PARTS OF NUCLEAR REACTOR

The Nuclear Power Plant (NPP) houses various reactor equipment and piping with unique characteristics of their own. The pressurized heavy water reactor includes structures such as auxiliary building (Containment structure), Control Building, reactor auxiliary building, service building, waste management building, turbine building and spent fuel storage bay building etc.these structure directly founded on ground and classified as three categories [4].Category 1 structures (e.g. rector containment structure)are designed for S1 and S2 level earthquakes. S1 is the level of ground motion which can be reasonably expected to be experienced at the site area once during operation life of structure. This is referred as Operational Basis Earthquake (OBE).S2 is the level of ground motion that has very low probability of being exceeded and has return period of the order of 10, 000 years. This has referred as Safe Shutdown Earthquake (SSE). Category 2 structures (e.g. waste management building) are designed as S1 level earthquake and category 3 structures (e.g. turbine building) are designed as per national practice (Indian Standard, IS – 1343, 1984).

Component parts of Nuclear Reactor are shown in (Fig.1). It consists of Internal Structure (IS), Calandria Vault, Inner Containment Wall (ICW) and Outer Containment Wall (OCW). All these cast monolithically with a thick circular raft. The Outer Containment Wall consists of reinforced concrete which

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National Conference on Recent Advancements in Engineering (NCRAE-12)

Dynamic Analysis of Nuclear Containment using Finite Element Method

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[1, 2]*Civil Engineering Department, Sanjeevan Engineering & Technology Institute, Panhala, Kolhapur, Maharastra–India*

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Holy-wood Academy, Kolhapur
Sanjeevan Engineering and Technology Institute,
Sanjeevan Knowledge City, Panhala, Tal. Panhala, Dist. Kolhapur

Consultancy Work

Consultancy revenue sharing Policy

Sr. No.	Name	Percentage
1	Institute Share	50%
2	Principal	2%
3	Office	3%
4	Head of Department	5%
5	Concern Faculty	20%
6	Lab Assistants	12%
7	Peon	8%

Principal

Dr. V. S. Patil

CONSULTANCY CHARGES DISTRIBUTION

Submitted to the Principal

Our department has carried out the Consultancy / Testing work on_____

The Details of Consultancy / testing work done is as below –

Sr. No.	Name of Party	Consultancy/ Testing details	A/c Receipt No. & Date	Total Charges Received

Type of Consultancy done : 1) By Using College Infrastructure ☐

(Tick which is applicable) 2) By Staff at outside (own) ☐

Name & Sign of Concerned Faculty

CONSULTANCY CHARGES DISTRIBUTION (As per LMC (Resolution No. 10 (D) of 25/04/12)

Total Amt. Received Rs._____

To College A/c (%)	To Concerned staff (%)			
	Sr.	Staff Name	%	Amt Rs.
	1.	Principal	2%	
	2.	HOD, Prof.	5%	
	3.	Office	3%	
	4.	Con. Staff. Prof. 1) _____ 2) _____ 3) _____		
Rs. _____	5.	Con. Lab Asstt. 1)_____ 2) _____ 3) _____		
	6.	Peons of Dept. 1) _____ 2) _____		
		Total		

Head of Dept. **A/c Section** **Os/Registrar** **Principal**

Jt. Secretary **Chairman**

DEPARTMENT OF CIVIL

CONSULTANCY REVENUE SHARING DETAILS

Sanjeevan Engineering & Technology Institute, Panhala

Department of Civil Engineering

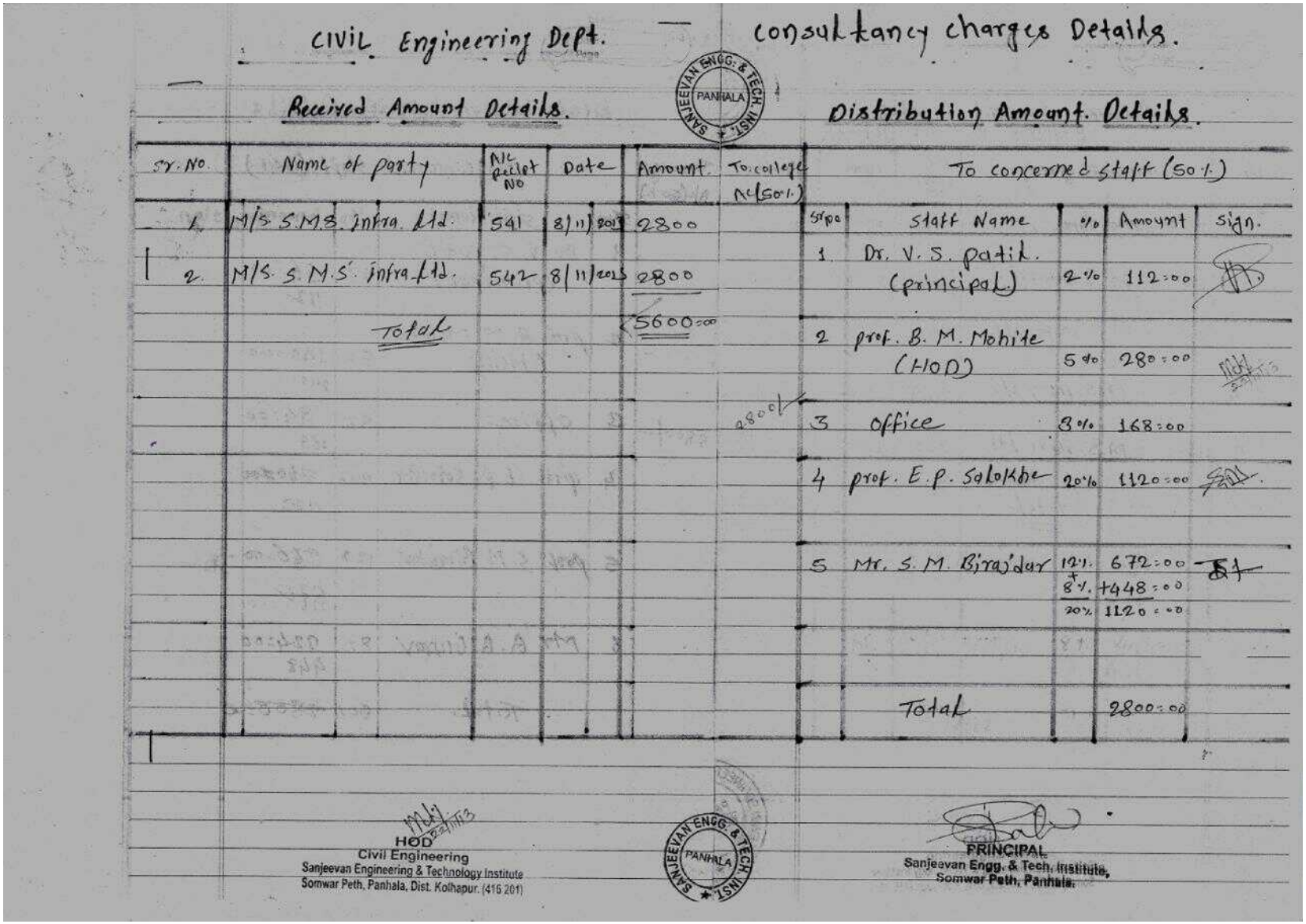
Consultancy List 2013 - 2018

Sr. No.	Date	Year	Name of Firm / Org.	Consultancy Deatail	Revenue	Year Wise Revenue
1	8/11/2013	2013 -14	SMS Infra Ltd Nagapur	Cement Test	5600.00	21200/-
2	2/9/2013		Panchyat Samiti Panhala	Steel Testing	1600.00	
3	16/12/2013		SMS Infra Ltd Nagapur	Cement Test	14000.00	
4	15/11/2014	2014 -15	Bhagyashree Enterprges Kodoli	Precast Solid Concrete Block (Set 1)	450.00	15450/-
5	26/03/2015		Panhala Hill Station Muncipal Council	Third Party technical Audit	15000.00	
6	31/12/2015	2015 - 16	Panchyat Samiti Panhala	Steel Testing	1600.00	2400/-
7	6/1/2016		ACE Infra Structure Kolhapur	Concrete Core Testing	800.00	
8	29/06/2016	2016 -17	Suraj Eco Homes , Injole	Precast Solid Concrete Block (Set 1)	300.00	10000/-
9	30/07/2016		Suraj Eco Homes , Injole	Precast Solid Concrete Block (Set 1)	300.00	
10	31 /03/2017		Mattest Laboratory Kolhapur	Ultrasonic Pulse Velocity Tester	4000.00	
11	7/4/2017		Anand Associate Kolhapur	Precast Solid Concrete Block (Set 1)	300.00	
12	8/5/2017		ACE Infra Structure Kolhapur	Steel Testing	3600.00	
13	8/5/2017		ACE Infra Structure Kolhapur	Precast Solid Concrete Block (Set 2)	600.00	
14	24/05/2017		Anand Associate Kolhapur	Precast Solid Concrete Block (Set 3)	900.00	
15	25/11/2017	2017-18	Mr. M. M. Kambale	Ultrasonic Pulse Velocity Tester	1500.00	1800/-
16	16/02/2018		Shradha Cement Pipe Industries	Precast Solid Concrete Block (Set 1)	300.00	
Total Revenue Genreted					**50850/-**	

HOD
Civil Engineering
Sanjeevan Engineering & Technology Institute
Somwar Peth, Panhala, Dist. Kolhapur. (416 201)

2013-14:- CLIENT:- SMS INFRA LTD., NAGPUR-

Revenue:- Rs. 5600/-



CIVIL Engineering Dept. — consultancy charges Details.

SANJEEVAN ENGG. & TECH. INST. PANHALA

Received Amount Details.

Sr. No.	Name of party	N/C receipt No	Date	Amount	To college N/C (50%)
1.	M/s S.M.S. Infra. Ltd.	541	8/11/2013	2800	
2.	M/s S.M.S. Infra Ltd.	542	8/11/2013	2800	
	Total			5600:00	2800

Distribution Amount. Details.

To concerned staff (50%)

Sr.No	Staff Name	%	Amount	sign.
1	Dr. V. S. patil. (principal.)	2%	112:00	
2	prof. B. M. Mohite (HOD)	5%	280:00	
3	office	3%	168:00	
4	prof. E. P. Salokhe	20%	1120:00	
5	Mr. S. M. Birajdar	12%	672:00	
		8%	+448:00	
		20%	1120:00	
	Total		2800:00	

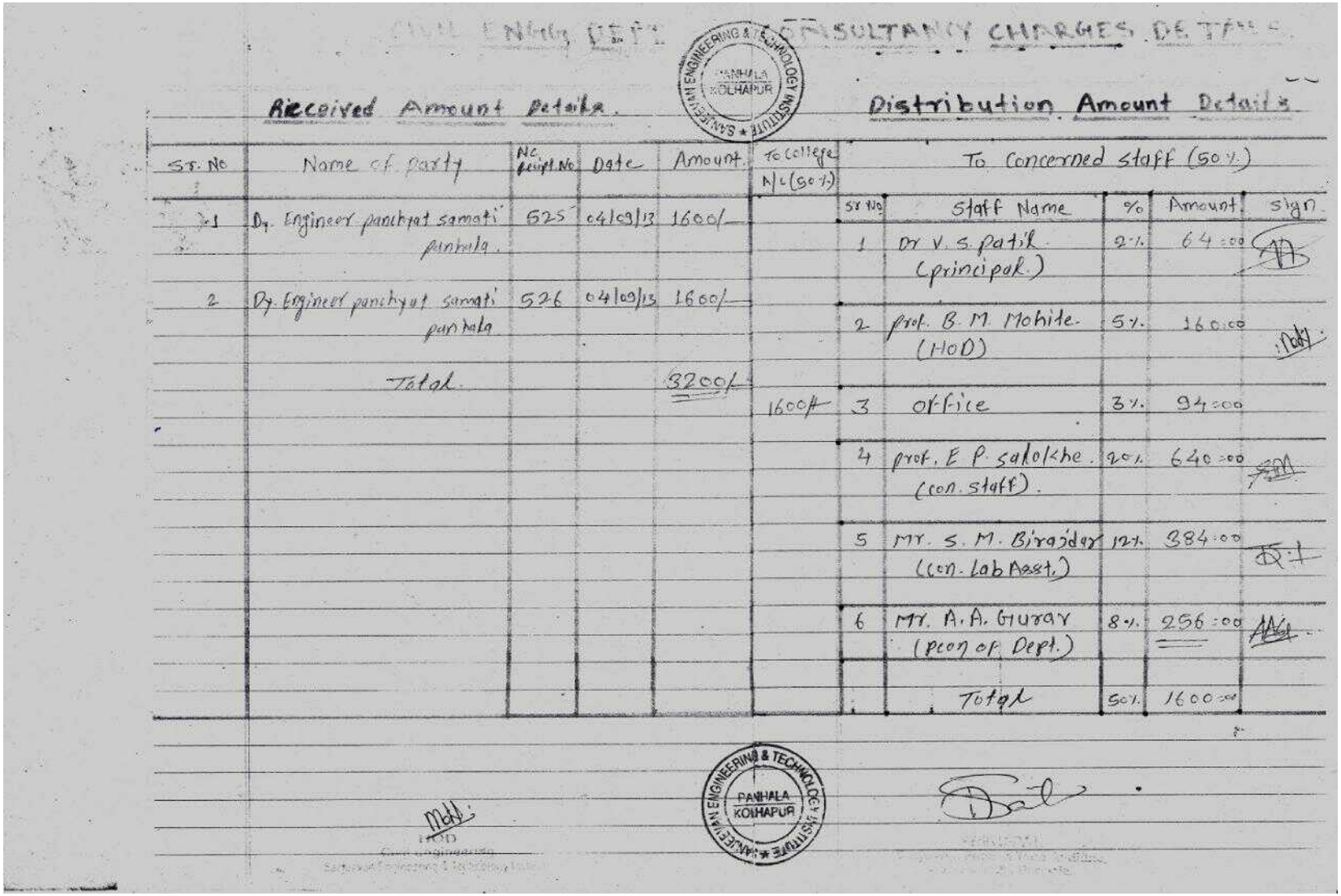
HOD
Civil Engineering
Sanjeevan Engineering & Technology Institute
Somwar Peth, Panhala, Dist. Kolhapur. (416 201)

SANJEEVAN ENGG. & TECH. INST. PANHALA

PRINCIPAL
Sanjeevan Engg. & Tech. Institute,
Somwar Peth, Panhala.

2013-14:- CLIENT:- PANCHAYAT SAMITI , PANHALA

Revenue:- Rs. 3200/-



CIVIL ENGG DEPT. CONSULTANCY CHARGES DETAILS

Received Amount Details.

Sr. No	Name of party	Receipt No	Date	Amount
1	Dy. Engineer panchyat samati panhala.	525	04/09/13	1600/-
2	Dy. Engineer panchyat samati panhala	526	04/09/13	1600/-
	Total.			3200/-

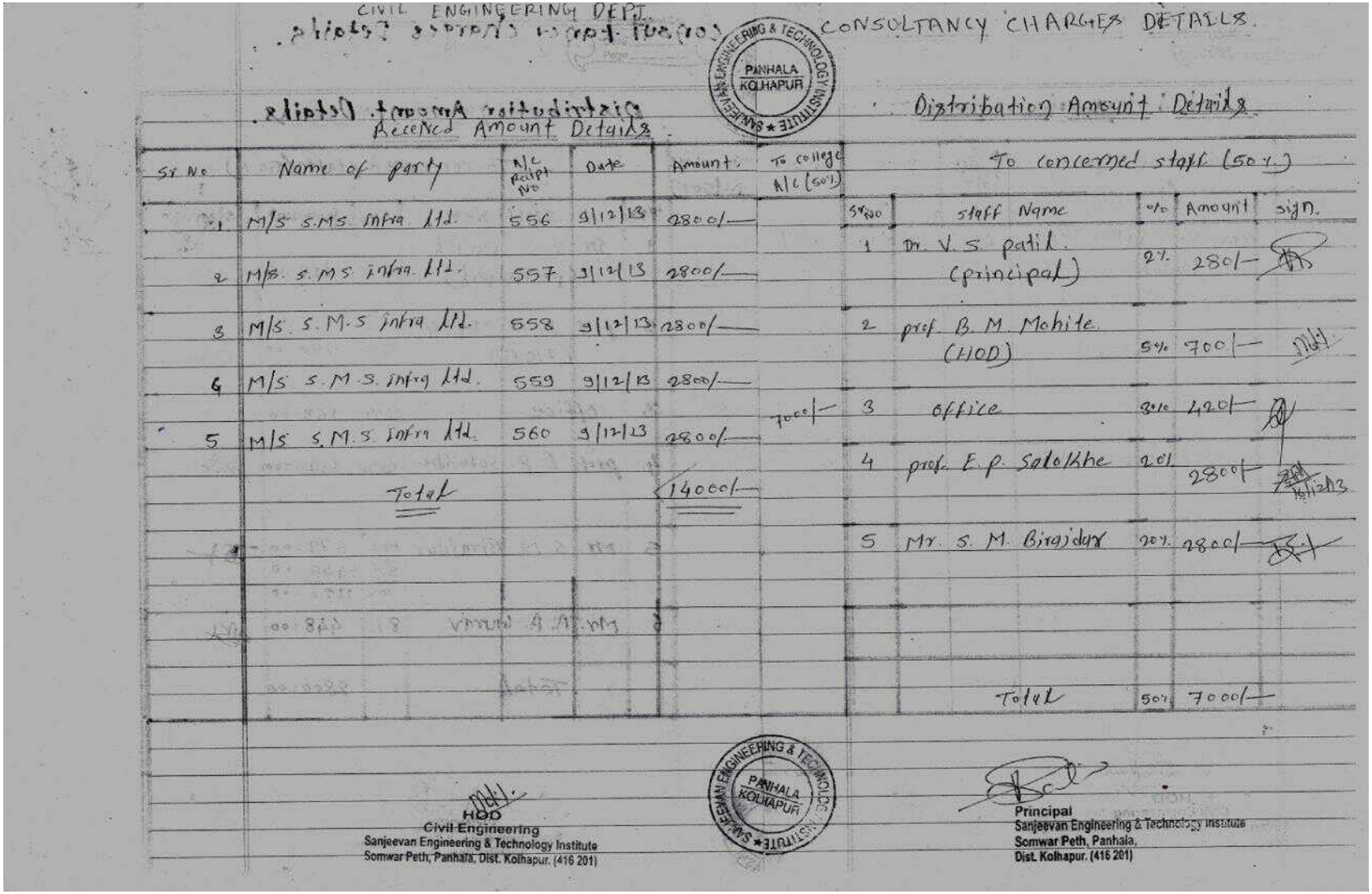
Distribution Amount Details

To college A/c (50%)	To Concerned Staff (50%)				
	Sr No	Staff Name	%	Amount	sign
1600/-	1	Dr V. S. Patil (principal.)	2%	64:00	
	2	Prof. B. M. Mohite (HOD)	5%	160:00	
	3	office	3%	96:00	
	4	Prof. E. P. Salokhe (con. staff).	20%	640:00	
	5	Mr. S. M. Birajdar (con. Lab Asst.)	12%	384:00	
	6	Mr. A. A. Gurav (peon of Dept.)	8%	256:00	
		Total	50%	1600:00	

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE PANHALA KOLHAPUR

2013-14:- CLIENT:- SMS INFRA LTD., NAGPUR-

Revenue:- Rs. 14000/-



CIVIL ENGINEERING DEPT.

CONSULTANCY CHARGES DETAILS.

Received Amount Details

Sr No	Name of party	A/c Receipt No	Date	Amount.	To college A/c (50%)
1	M/s S.M.S. Infra Ltd.	556	9/12/13	2800/-	
2	M/s. S.M.S. Infra. Ltd.	557	9/12/13	2800/-	
3	M/s. S.M.S Infra Ltd.	558	9/12/13	2800/-	
4	M/s S.M.S. Infra Ltd.	559	9/12/13	2800/-	
5	M/s S.M.S Infra Ltd.	560	9/12/13	2800/-	7000/-
	Total			14000/-	

Distribution Amount Details

To concerned staff (50%)

Sr No	Staff Name	%	Amount	sign.
1	Dr. V.S. patil. (principal)	2%	280/-	
2	prof. B.M. Mohite (HOD)	5%	700/-	
3	office	3%	420/-	
4	prof. E.P. Solokhe	20%	2800/-	15/12/13
5	Mr. S.M. Birajdar	20%	2800/-	
	Total	50%	7000/-	

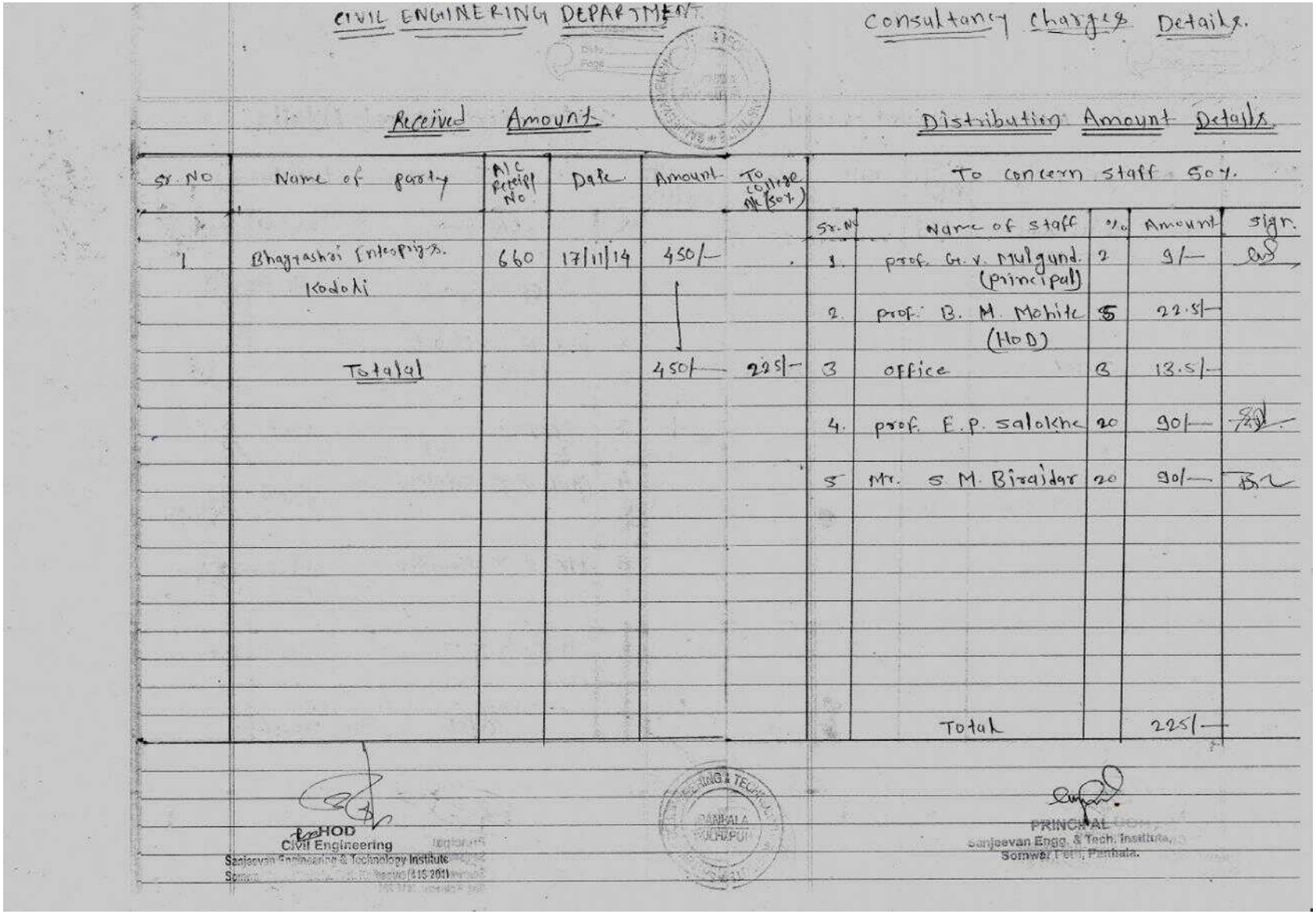
SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE PANHALA KOLHAPUR

HOD
Civil Engineering
Sanjeevan Engineering & Technology Institute
Somwar Peth, Panhala, Dist. Kolhapur. (416 201)

Principal
Sanjeevan Engineering & Technology Institute
Somwar Peth, Panhala,
Dist. Kolhapur. (416 201)

2014-15:- CLIENT:- BHAGYASHREE ENTERPRIZES, KODOLI

Revenue:- Rs. 450/-



CIVIL ENGINEERING DEPARTMENT

Consultancy Charges Details.

Received Amount

Sr. No	Name of party	A/c Receipt No	Date	Amount	To College A/c (50%)
1	Bhagyashri Enterprises. Kodoli	660	17/11/14	450/-	
	Total			450/-	225/-

Distribution Amount Details

To concern staff 50%.				
Sr. No	Name of staff	%	Amount	Sign.
1.	prof. G. V. Mulgund. (Principal)	2	9/-	
2.	prof. B. M. Mohite (HoD)	5	22.5/-	
3	office	3	13.5/-	
4.	prof. E. P. salokhe	20	90/-	
5	Mr. S M. Biradar	20	90/-	
	Total		225/-	

HOD
Civil Engineering
Sanjeevan Engineering & Technology Institute

PRINCIPAL
Sanjeevan Engg. & Tech. Institute,
Somwar Peth, Panhala.

2014-15:- CLIENT:- PANHALA HILL STATION MUNICIPAL COUNCIL, PANHALA

Revenue:- Rs. 15000/-

Civil Engineering Department. Consultancy Charges Details.

Received Amount Detail

Sr No	Name of party	A/C Receipt No	Date	Amount	To college A/c 50%
1	पन्हाळा गिरिस्थान नगर परिषद, पन्हाळा	687	25/03/15	15000/-	
	Total			15000/-	7500/-

Distribution Amount Details

To concern staff 50%

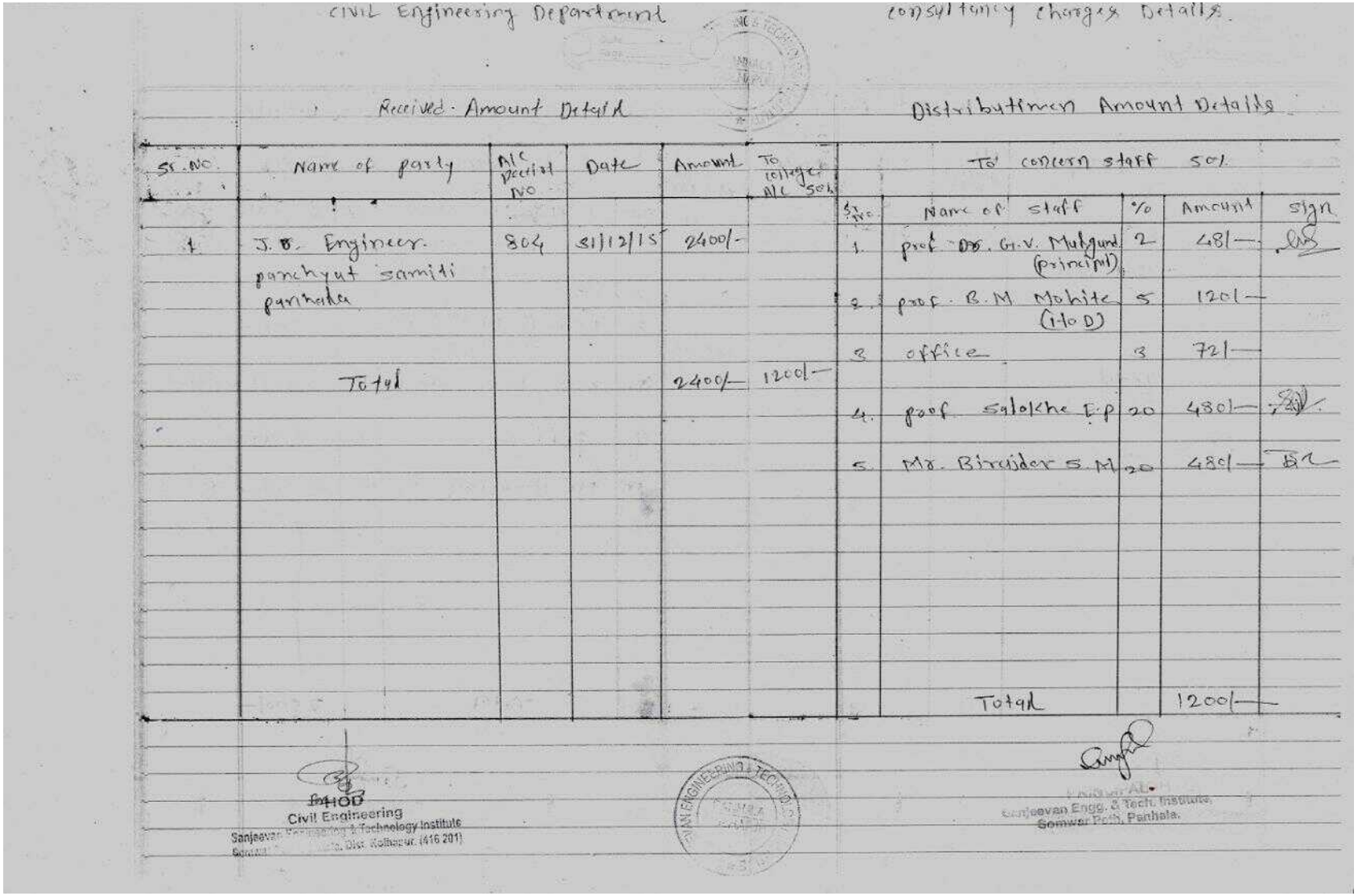
Sr No	Name of staff	%	Amount	Sign
1.	Prof. Dr. G.V. Mulgund (Principal)	2	300/-	[signature]
2.	Prof. B. M. Mohite (HOD)	5	750/-	
3	Prof. E. P. Salokhe	20	3000/-	[signature]
4	Office	3	450/-	
5	Mr. Biradar S. M.	20	3000/-	[signature]
	Total		7500/-	

[signature]
HOD
Civil Engineering
Sanjeevan Engineering & Technology Institute
Somwar Peth, Panhala, Dist. Kolhapur. (416 201)

[signature]
PRINCIPAL
Sanjeevan Engg. & Tech. Institute
Somwar Peth, Panhala.

2015-16:- CLIENT:- PANCHAYAT SAMITI , PANHALA.

Revenue:- Rs. 2400/-



Civil Engineering Department

Consultancy Charges Details

Received Amount Details

Sr. No.	Name of party	A/C Receipt No	Date	Amount	To college A/C 50%
1	J. B. Engineer. panchyat samiti panhala	804	31/12/15	2400/-	
	Total			2400/-	1200/-

Distributionen Amount Details

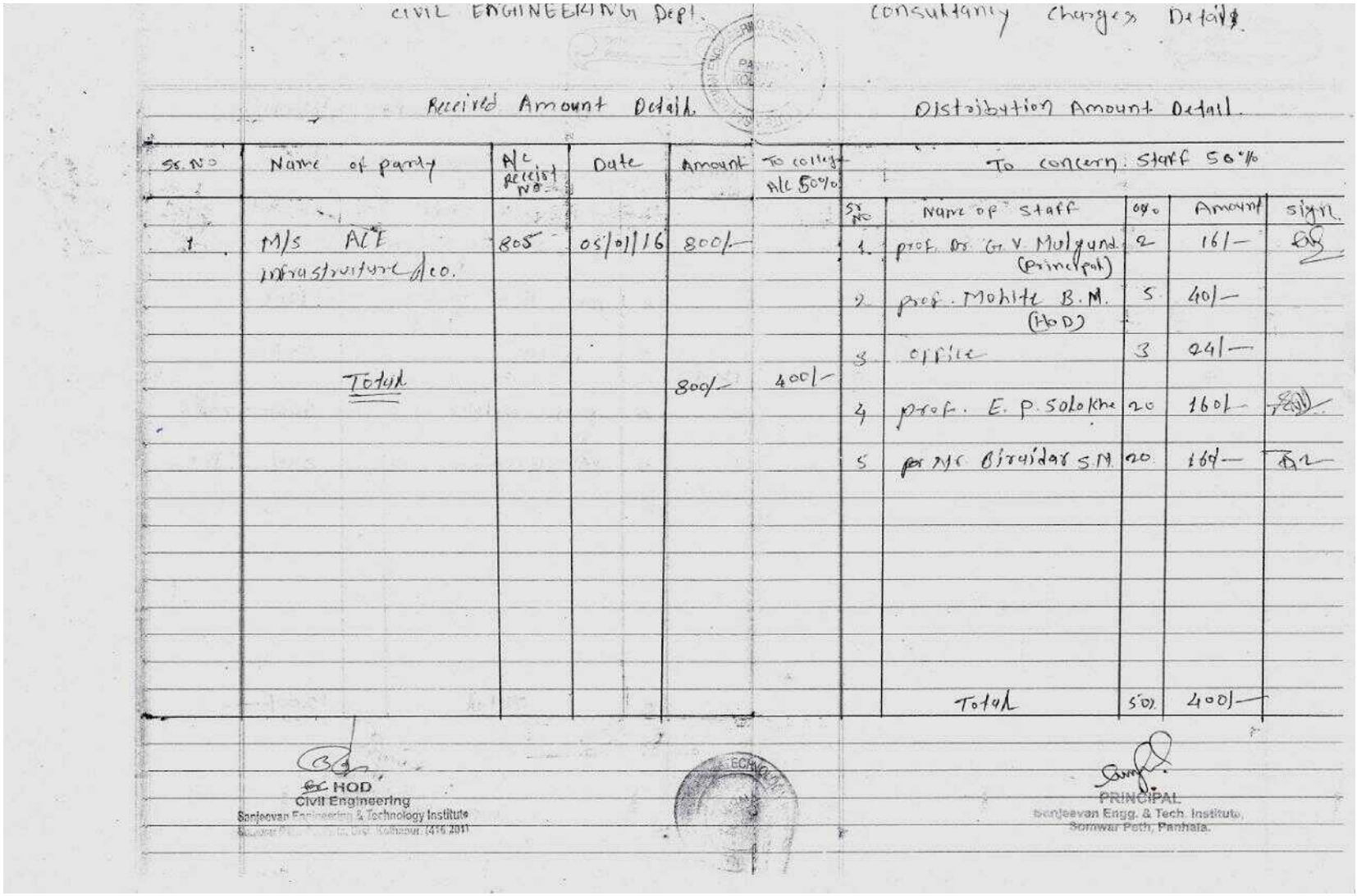
Sr. No	Name of staff	%	Amount	sign
1.	prof Dr. G.V. Mulgund (principal)	2	48/-	
2.	prof. B.M Mohite (H.O.D)	5	120/-	
3	office	3	72/-	
4.	prof Salokhe T.P	20	480/-	
5.	Mr. Birajdar S.M	20	480/-	
	Total		1200/-	

Civil Engineering
Sanjeevan Engineering & Technology Institute
Dist. Kolhapur. (416 201)

PRINCIPAL
Sanjeevan Engg. & Tech. Institute,
Somwar Peth, Panhala.

2015-16:- CLIENT:- ACE INFRASTRUCURE LTD, KOLHAPUR

Revenue:- Rs. 800/-



CIVIL ENGINEERING Dept. Consultancy Charges Details

Received Amount Detail. Distribution Amount Detail.

Sr. No	Name of party	A/c Receipt No.	Date	Amount	To college A/c 50%	To concern staff 50%				
						Sr No	Name of staff	%	Amount	sign
1	M/s ACE Infrastructure & co.	805	05/01/16	800/-		1	prof. Dr G V Mulgund (principal)	2	16/-	
						2	prof. Mohite B.M. (HOD)	5	40/-	
						3	office	3	24/-	
	Total			800/-	400/-					
						4	prof. E. P. Solokhe	20	160/-	
						5	Mr Birajdar S.M	20	160/-	
							Total	50%	400/-	

HOD
Civil Engineering
Sanjeevan Engineering & Technology Institute

PRINCIPAL
Sanjeevan Engg. & Tech. Institute,
Somwar Peth, Panhala.

DEPARTMENT OF ELECTRICAL

CONSULTANCY REVENUE SHARING DETAILS

Consultancy List:-

Sr. No.	Year	Project Title	Name of Org. to which consultancy is Provided	Project /Consultancy Coordinator	Duration	Revenue Generated (Rs.)
1	2012-13	UPS testing of Different Manufacturers	1.Pioner Electronics, 2.Modular electronics, 3.Renutron, 4.Power Gun PVT. LTD.	Mr. A.E. Sonkamble	21st Dec 2012 2nd January 2013	20000/-
2	2015-16	High Voltage Lab Conduction	SGMCE, Mahgaon	Mr. Naik Yogesh R.	10th October 2015, One Day	9500/-
3	2015-16	Energy Audit & Implementation by Students	Electrical Deratment, SETI Panhala	Mr. Jadhav Nilesh S.	Nov 2015 to March 2016	Nil
4	2015-16	Transformer Oil Testing	SETI, Power House, Maintainance Dept.	Mr. Naik Yogesh R.	12/2/2016	Nil

2012-13:- CLIENT:- UPS MANUFACTURER COMPANIES [Pioneer Electronics, Modular Electronics, Power Gun Ltd, Renutron]

Revenue:- Rs. 20000/-

Details of Consultancy:-

1. **UPS testing of Different Manufacturers:-**

Our Department has done UPS testing of 4 Different manufacturers of UPS. The Consultancy includes testing of Equipments I/P power, Output Power , Votage , Current, Efficiency , Warranty and lots of many other things which are listed in supporting Documents.

The Details of Generated Revenue are Listed Below:-

Sr. No:	Name of Party	Receipt No:-	Date	Received Amount
1	Renutron Power Solutions	403	22/11/2012	5000/-
2	Pioneer Electronics	402	21/11/2012	3000/-
3	Modular Electronics	414	3/11/2012	5000/-
4	Power-Gun PVT. LTD.	438	2/2/2013	4000/-
5	Power-Gun PVT. LTD.	405	23/11/2013	3000/-
			Total =	20000/-

(Head Electrical Engineering Dept.)
SANJEEVAN ENGINEERING AND
TECHNOLOGY INSTITUTE, PANHALA
Somwar Peth, Tal.Panhala, Dist.Kolhapur-416 201

CONSULTANCY CHARGES DISTRIBUTION

Submitted to the Principal

Our department has carried out the Consultancy / Testing work on Electsical Machines - U.P.S

The Details of Consultancy / testing work done is as below –

Sr. No.	Name of Party	Consultancy/ Testing details	A/c Receipt No. & Date	Total Charges Received
1)	Renuka Power solution	Power factor, Efficiency	No. 403	5000/-
2)	Pioneer Electronics	P.F, Efficiency	No. 402	3000/-
3)	Modular Electronics	P.F.	No. 414	5000/-
4)	Power-Gun Pvt.	P.F, Efficiency	No. 438	4000/-
			No. 405	3000/-
				Rs 20,000/-

Type of Consultancy done : Pvt. 1) By Using College Infrastructure ☑

(Tick which is applicable) 2) By Staff at outside (own) ☐

A.E. Santwanble

Name & Sign of Concerned Faculty

CONSULTANCY CHARGES DISTRIBUTION (As per LMC (Resolution No. 10 (D) of 25/04/12)

Total Amt. Received Rs. Twenty Thousand Rupees only

To College A/c (50%)	To Concerned staff (50%)				
	Sr.	Staff Name		%	Amt Rs.
	1.	Principal		2%	400/-
	2.	HOD. Prof.		5%	1000/-
	3.	Office		3%	600/-
	4.	Con. Staff. Prof.	1) A.E. Santwanble 2) P.B. Gusav 3) S.M. Bhangale	20%	4000/-
Rs. 10,000	5.	Con. Lab Asstt.	1) S.V. Achavya 2) Sagar Patil 3)	12%	2400/-
	6.	Peons of Dept.	1) Gunfal Kaka 2) Pasit Kaka	8%	1600/-
			Total		10000/-

Head of Dept. A/c Section Os/Registrar Principal

Jt. Secretary Chairman

CONSULTANCY CHARGES DISTRIBUTION

DISTRIBUTION AMOUNT DETAIS

college 50%	SR/NO	TO · concerned STAFF (50%.) STAFF NAME	%	Amount	SIGN	REMark.
	①	Mr. V. S. PATIL (PRINCIPAL)	2%	400/-		
	②	Mr. A. E. Sonkamble (H.O.D.)	5%	1000/-		
	③	OFFICE	3%	600/-		
	④	con. staff				
		i) Mr. A. E. Sonkamble				
		ii) Mr. P. B. Gurav	20%	4000/-		
		iii) Mr. S. M. Bhangale				
	⑤	con. Lab. Assistant				
		i) Mr. S. V. Acharya	12%	2400/-		
		ii) Mr. S. R. patil				
	⑥	PEON				
		① Mr. G. A. Desai	8%	1600/-		
		② Mr. C. A. parit			Cparit	
10,000/-		TOTAL		10,000/-		

Head Electrical Engineering Dept.
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE PANHALA

Principal
Sanjeevan Engineering & Technology Institute
Somwar Peth, Panhala, Kolhapur

DEPARTMENT OF MECHANICAL

CONSULTANCY REVENUE SHARING DETAILS

Consultancy List:-

Department Of Mechanical engineering

Details of consultancy carried out in ESA & Vibration lab.

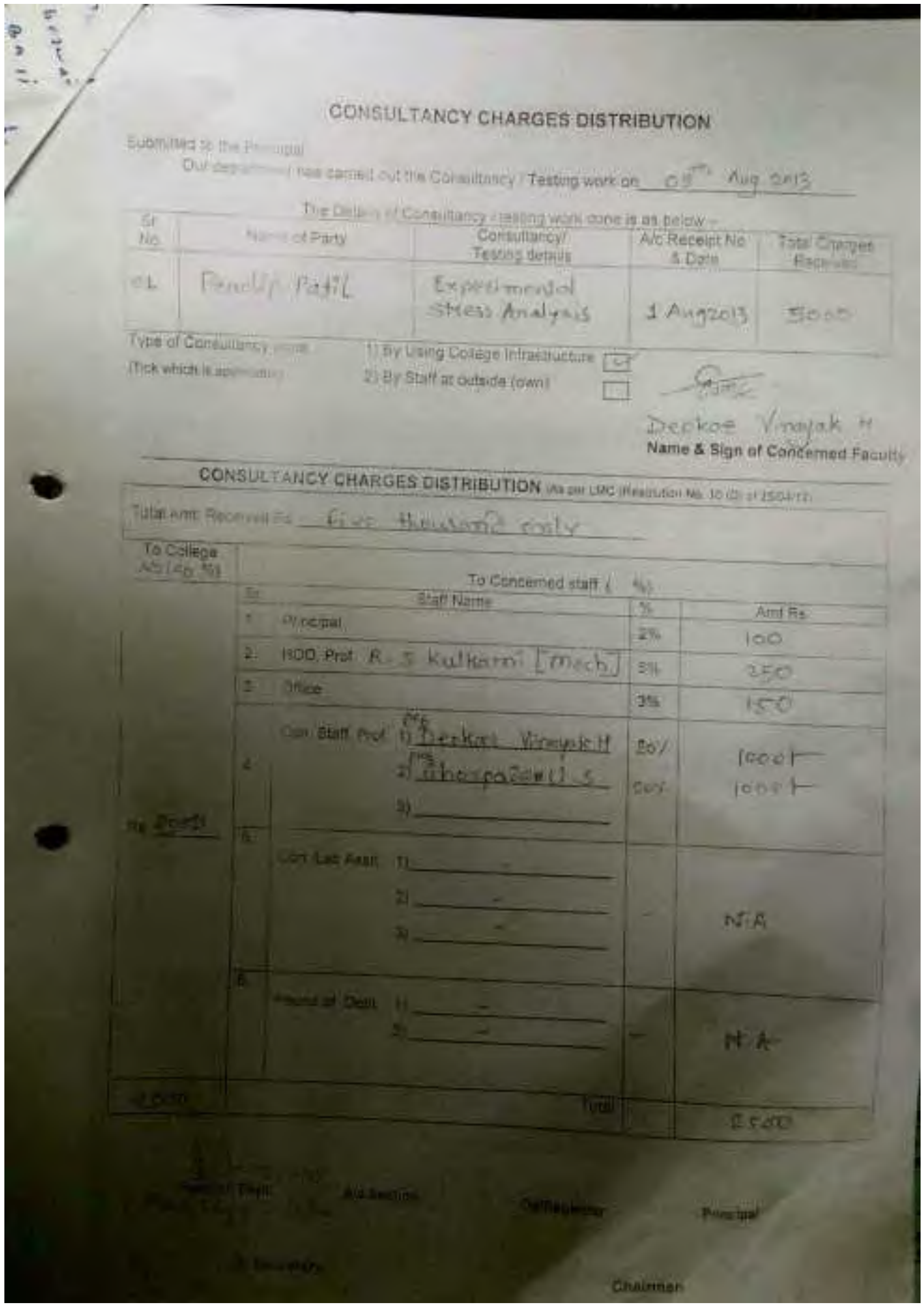
Year of Consultancy	Description	Date	Amount (Rs)
2013-14	ESA of Valve Body (Pradip Patil)	08/08/2013	5000
	ESA of composite leaf spring (Jaydeep Patil)	09/04/2014	3000
	Valve stress analysis (Ghatage Patil)	19/04/2014	3000
2014-15	ESA and vibration analysis of C composite spring (Deepak Patil)	29/09/2014	6000
2016-17	ESA of composite gear of steering system	24/06/2016	-
	Vibration analysis of Finned tube array. (RIT Islampur)	27/06/2016	12000
		Total	29,000

HOD
Mechanical Engineering
Sanjeevan Engg. & Tech.Institute,Panhal-

MECHANICAL ENGINEERING DEPARTMENT
SETI PANHALA

2013-14:- CLIENT:- Pradeep Patil, KOLHAPUR [ESA OF VALVE BODY]

Revenue - 5000



CONSULTANCY CHARGES DISTRIBUTION

Submitted to the Principal

Our department has carried out the Consultancy / Testing work on 05th Aug 2013

The Details of Consultancy / testing work done is as below –

Sr No.	Name of Party	Consultancy/ Testing details	A/c Receipt No & Date	Total Charges Received
01	Pradip Patil	Experimental Stress Analysis	1 Aug2013	5000

Type of Consultancy done (Tick which is applicable)

1) By Using College Infrastructure ☑

2) By Staff at outside (own) ☐

Deokar Vinayak H

Name & Sign of Concerned Faculty

CONSULTANCY CHARGES DISTRIBUTION (As per LMC (Resolution No. 10 (D) of 25/04/12)

Total Amt Received Rs. five thousand only

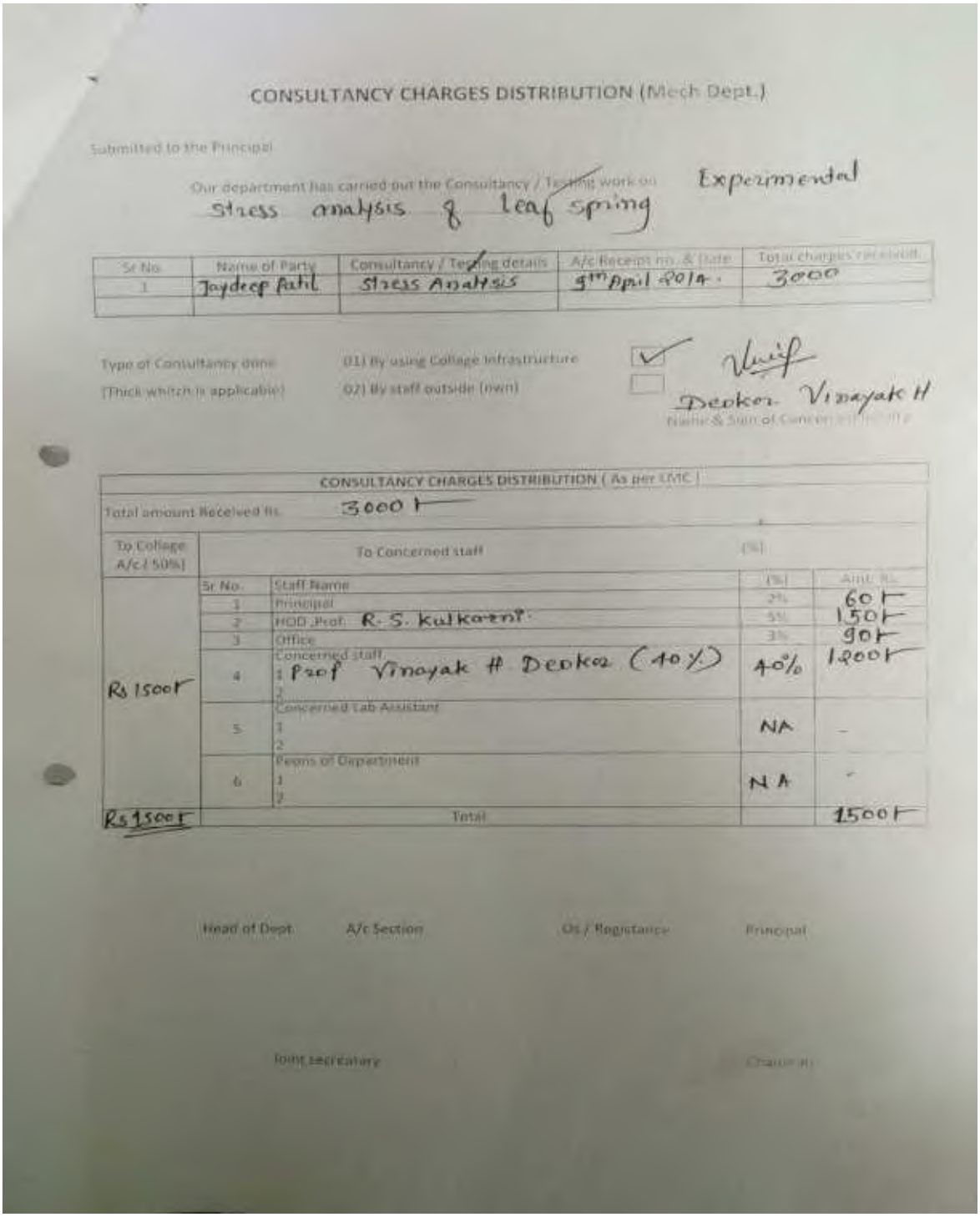
To College	Sr.	Staff Name	%	Amt Rs.
	1	Principal	2%	100
	2	HOD, Prof. R. S. Kulkarni [Mech]	5%	250
	3	Office	3%	150
	4	Con. Staff Prof. 1) Deokar Vinayak H 2) Khorpade ... S 3)	20% 20%	1000/- 1000/-
Rs. 2500	5	Con. Lab Asst. 1) – 2) – 3) –	–	N.A.
	6	Head of Dept. 1) – 2) –	–	N.A.
2500		Total		2500

Head of Dept. A/c Section Registrar Principal

Secretary Chairman

2013-14:- CLIENT: - JAYDEEP PATIL [ESA OF COMPOSITE LEAF SPRING]

Revenue:- Rs. 3000/-



CONSULTANCY CHARGES DISTRIBUTION (Mech Dept.)

Submitted to the Principal

Our department has carried out the Consultancy / Testing work on Experimental Stress analysis & leaf spring

Sr No.	Name of Party	Consultancy / Testing details	A/c Receipt no. & Date	Total charges received
1	Jaydeep Patil	Stress Analysis	9th April 2014.	3000

Type of Consultancy done (Tick which is applicable) 01) By using College Infrastructure ☑ 02) By staff outside (own) ☐

Name & Sign of Concern

CONSULTANCY CHARGES DISTRIBUTION (As per CMC)

Total amount Received Rs. 3000/-

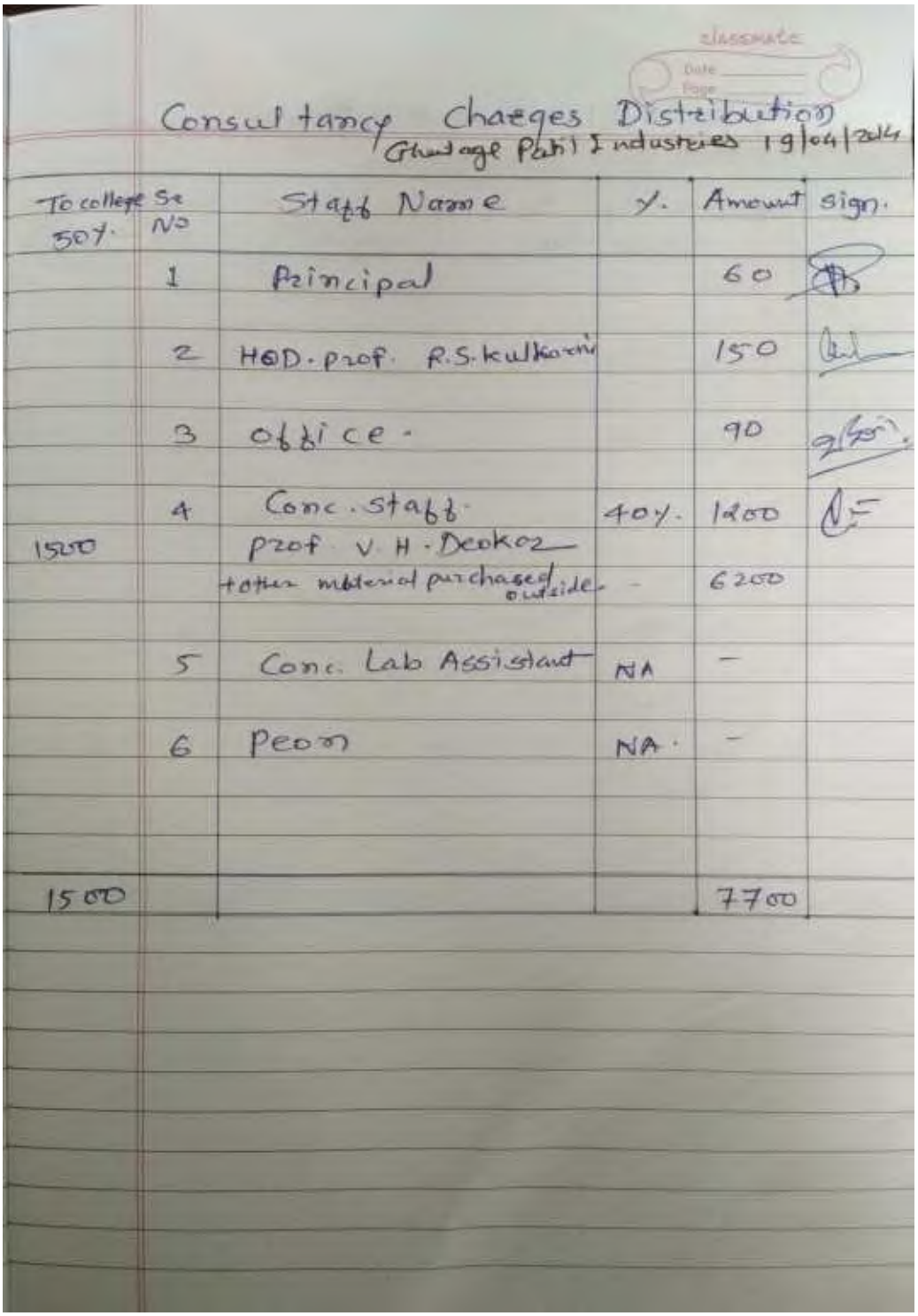
To College A/c (50%)	To Concerned staff				
	Sr No.	Staff Name		(%)	Amt. Rs.
	1	Principal		2%	60/-
	2	HOD Prof. R. S. Kulkarni		5%	150/-
	3	Office		3%	90/-
Rs 1500/-	4	Concerned staff 1 Prof Vinayak H. Deoka (10%) 2		40%	1200/-
	5	Concerned Lab Assistant 1 2		NA	-
	6	Peons of Department 1 2		NA	-
Rs 1500/-		Total			1500/-

Head of Dept. A/c Section Dy / Registrar Principal

Joint Secretary Chairman

2013-14:-CLIENT: - GHATAGE PATIL INDUSTRIES, KOLHAPUR [ESA OF Valve Body]

Revenue: - Rs. 3000/-

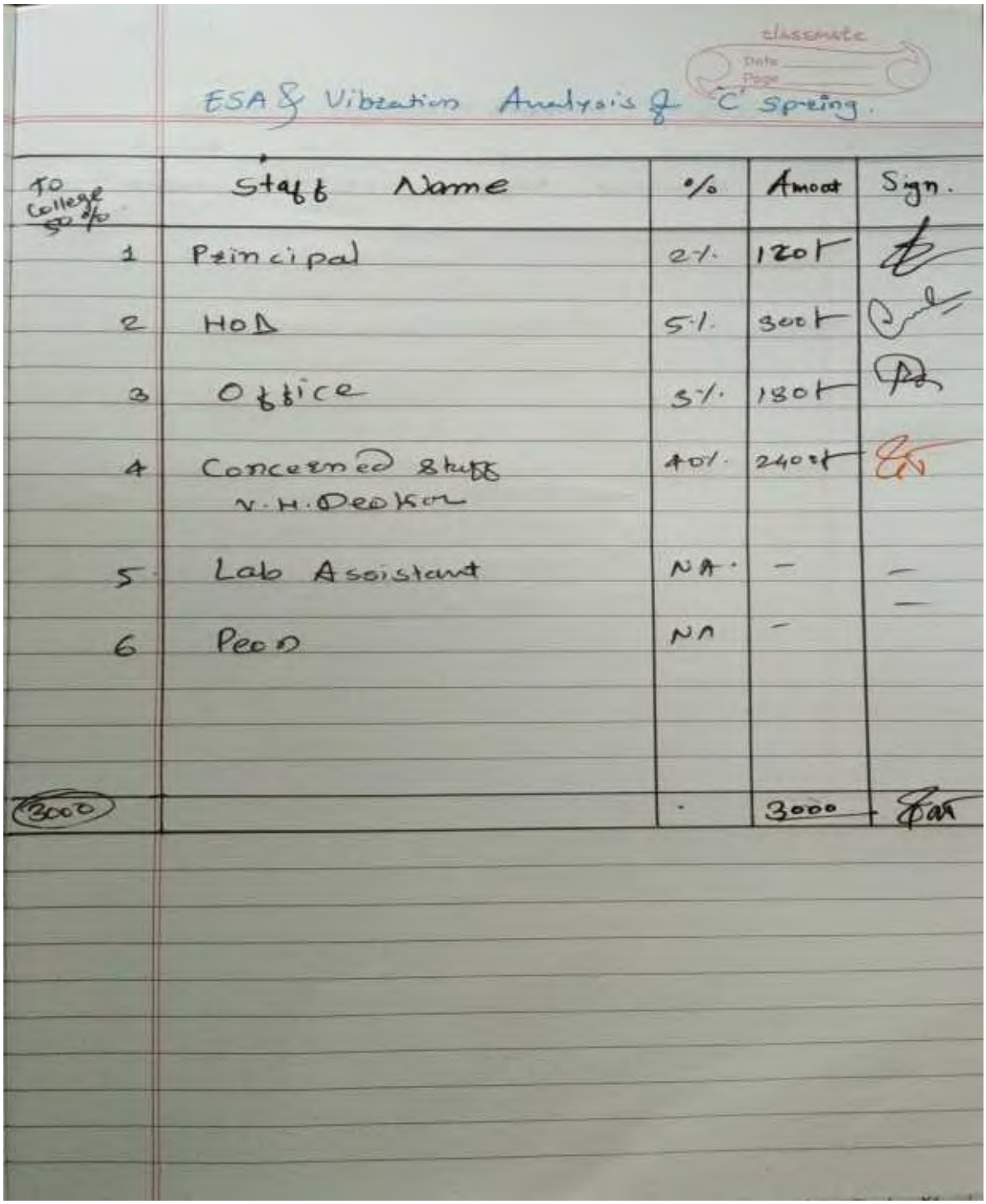


Consultancy Chaeges Distribution
Ghatage Patil Industries 19/04/2014

To college 50%	Sr No	Staff Name	%	Amount	sign.
	1	Principal		60	
	2	HOD. prof. R.S. kulkarni		150	
	3	office.		90	
	4	Conc. staff.	40%	1200	
1500		prof V. H. Deokar			
		+other material purchased outside	-	6200	
	5	Conc. Lab Assistant	NA	-	
	6	Peon	NA.	-	
1500				7700	

2014-15:- CLIENT:- DEEPAK PATIL (ESA & VIBRATION ANALYSIS OF C SPRING)

Revenue:- Rs. 6000/-

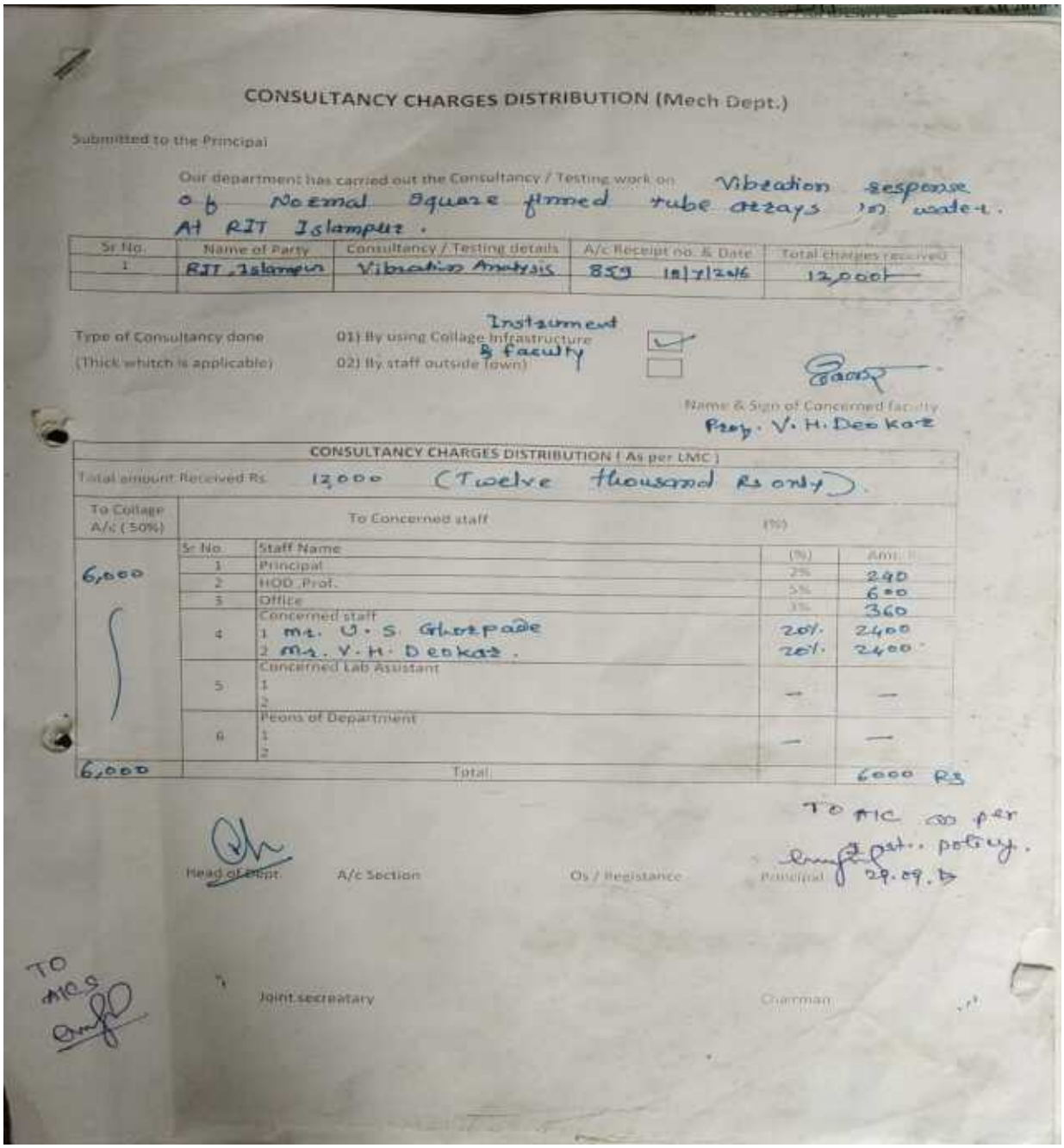


ESA & Vibration Analysis of 'C' spring.

To College 50 %	Staff Name	%	Amount	Sign.
1	Principal	2%	120/-	
2	HOD	5%	300/-	
3	Office	5%	180/-	
4	Concerned Staff V.H. Deokar	40%	2400/-	
5	Lab Assistant	NA	—	—
6	Peon	NA	—	
(3000)			3000/-	

2016-17:- CLIENT:- RIT ISLAMPUR [VIBRATION ANALYSIS OF FINNED TUBE ARRAY]

Revenue:- Rs. 12000/-



CONSULTANCY CHARGES DISTRIBUTION (Mech Dept.)

Submitted to the Principal

Our department has carried out the Consultancy / Testing work on Vibration response of Normal Square finned tube arrays in water. At RIT Islampur.

Sr No.	Name of Party	Consultancy / Testing details	A/c Receipt no. & Date	Total charges received
1	RIT, Islampur	Vibration Analysis	859 18/7/2016	12,000/-

Type of Consultancy done (Thick whitch is applicable)
01) By using College Infrastructure & Instrument & Faculty ✓
02) By staff outside town)

Name & Sign of Concerned faculty
Prof. V. H. Deokar

CONSULTANCY CHARGES DISTRIBUTION (As per LMC)

Total amount Received Rs. 12000 (Twelve thousand Rs only).

To College A/c (50%)	To Concerned staff			
	Sr No.	Staff Name	(%)	Amt.
6,000	1	Principal	2%	240
	2	HOD, Prof.	5%	600
	3	Office	3%	360
	4	Concerned staff 1 Mr. U. S. Ghatpade 2 Mr. V. H. Deokar.	20% 20%	2400 2400
	5	Concerned Lab Assistant 1 2	—	—
	6	Peons of Department 1 2	—	—
6,000		Total:		6000 Rs

TO A/C as per Govt. policy. 29.09.16

Head of Dept. A/c Section Os / Registrance Principal

TO A/C

Joint secretary Chairman

CENTRAL COMPUTING FACILITY [CCF]

CONSULTANCY REVENUE SHARING DETAILS

Consultancy Done In The Form Of Online Exam Conduction By Using Ccf Lab.

Online Exam Were Conducted By Various Third Party Vendors Like TCS, Pro Skill Etc.

CONSULTANCY LIST:-

Sanjeevan Engineering & Technology Institute,Panhala

Department Of Network & System

ONLINE EXAM SUMMARY

SR.NO	EXAM NAME	DATE	VENDOR	AMOUNT RS	STAFF Name	AMOUNT RS
1	COMEDK	8/5/2016	TCS	8250.00	-----	-----
2	SSC-CHSL	7/1/2017 TO 9/2/2017	PRO SKILL	3,50891.00	Mr.K.S.Jadhav Mr.N.N.Medsing	20000.00 10500.00
3	SSC-JE	1/3/2017 TO 4/3/2017	PRO SKILL	51920.00	Mr.K.S.Jadhav Mr.N.N.Medsing	3200.00 1600.00
4	MAHATRANSCO	17/3/2017	ATTEST TESTING	11000.00	Mr.K.S.Jadhav Mr.N.N.Medsing	800.00 400.00

Remark :- Charges allocated to staff as per noms By the Exam Authorities

supervisor Rs 800 for 3 shift IT support Rs 400 for 3 Shift .

SYSTEM ANALYST
Sanjeevan Engg. & Tech. Institute
Somwar Peth, Panhala,Dist.Kolhapur. (MS)

Holy-wood Academy, Kolhapur
Sanjeevan Engineering and Technology Institute,
Sanjeevan Knowledge City, Panhala, Tal. Panhala, Dist. Kolhapur

Research and Development Cell

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth, Panhala, Tal. Panhala, Dist. Kolhapur - 416 201.
Phone : 02328 - 235241, 235493 Fax : 02328 - 235241 Mobile : 9545451966, 9545453831
Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in / setipanhala@gmail.com
▪ *Approved By AICTE - New Delhi* ▪ *Recognized by Govt. of Maharashtra & DTE* ▪ *Affiliated to Shivaji University, Kolhapur*

Date- 4/9/2017

CIRCULAR

R&D, Consultancy Cell [2017-18]

This is for information of all concerned that R&D, consultancy Cell is rearranged for A.Y.2017-18. The members of the same are listed below. All the said members are instructed work with immediate effect.

Sr No	Members	Department
1	**Asst.Prof. Naik Yogesh R. [Head]**	**Electrical Engg. Dept.**
2	Asst.Prof. Dr. V.A. Patil	Basic Sciences & Humanities
3	Asst.Prof. M.M.Hajare	CSE Dept.
4	Asst.Prof.C.R.Dongarsane	E&TC Dept.
5	Asst.Prof.A.N.Naik	Mechanical Engg. Dept
6	Asst.Prof.A.P.Bhosale	Automobile Engg. Dept
7	Asst.Prof.M.H.Momin	Civil Engg. Dept

Principal

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth, Panhala, Tal. Panhala, Dist. Kolhapur - 416 201.
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▪ *Approved By AICTE - New Delhi* ▪ *Recognized by Govt. of Maharashtra & DTE* ▪ *Affiliated to Shivaji University, Kolhapur*

Date- 1/9/2016

CIRCULAR

FORMATION OF R&D, Consultancy Cell [2016-17]

This is for information of all concerned that R&D, consultancy Cell is formed for A.Y.2016-17. The members of the same are listed below. All the said members are instructed work with immediate effect.

Sr No	Members	Department
1	**Asst.Prof. Naik Yogesh R. [Head]**	Electrical Engg. Dept.
2	Asst.Prof. Dr. V.A. Patil	Basic Sciences & Humanities
3	Asst.Prof. M.M.Hajare	CSE Dept.
4	Asst.Prof.C.R.Dongarsane	E&TC Dept.
5	Asst.Prof.A.N.Naik	Mechanical Engg. Dept
6	Asst.Prof.A.P.Bhosale	Automobile Engg. Dept
7	Asst.Prof.M.H.Momin	Civil Engg. Dept

Principal

Holy-Wood Academy's
SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA

R & D, Consultancy cell Formation & Events [2013-14]

The R & D , Consultancy Cell Was Formed in 2016-17 but some of the Events were taken before formation of the R& D cell.

Summary :-

1] Consultancy Done by Civil Department:-

Sr No	Organization Name	Testing Name	Date	Revenue [Rs]
1	SMS INFRA ltd, Nagpur	Cement Test	8/11/13	5600/-
2	Panchayat Samiti , Panhala	Steel Testing	2/9/13	800/-
3	SMS INFRA ltd, Nagpur	Cement Test	16/12/13	14000/-
			Total	**21200/-**

2] Consultancy Done by Mechanical Department:-

Sr No	Organization Name	Testing Name	Date	Revenue [Rs]
1	Pradeep Patil	ESA of Valve Body	8/8/13	5000/-
2	Jaydeep Patil	ESA of Composite leaf spring	9/4/14	3000/-
3	Ghatage Patil Industries	Valve stress analysis	19/4/14	3000/-
			Total	**11000/-**

PRINCIPAL
Sanjeevan Engg. & Tech. Institute
Somwar Peth, Panhala, Dist. Kolhapur. (MS)

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE
॥ विद्यात्मा विद्या संजीवनी ॥

Holy-Wood Academy's
SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA

R & D, Consultancy cell Formation & Events [2014-15]

The R & D , Consultancy Cell Was Formed in 2016-17 but some of the Events were taken before formation of the R& D cell.

Summary :-

1] Consultancy Done by Civil Department:-

Sr No	Organization Name	Testing Name	Date	Revenue [Rs]
1	Bhagyashree Enterprizes , kodoli	Precast Solid concrete Block [set1]	8/11/13	450/-
2	Panhala hill station Municipal	Third Party technical audit	2/9/13	15000/-
			Total	**15450/-**

2] Consultancy Done by Mechanical Department:-

Sr No	Organization Name/Client name	Testing Name	Date	Revenue [Rs]
1	Deepak patil	ESA & Vibration analysis of C Composite spring	29/9/14	6000/-
			Total	**6000/-**

PRINCIPAL
Sanjeevan Engg. & Tech. Institute
Somwar Peth, Panhala, Dist. Kolhapur. (MS)

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE
॥ विद्यानां विद्या संजीवनी ॥

Holy-Wood Academy's
SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA

R & D, Consultancy cell Formation & Events [2015-16]

The R & D , Consultancy Cell Was Formed in 2016-17 but some of the Events are taken before formation of the R& D cell.

Summary :-

1] One Day Workshop on Intellectual Property Rights & Patenting [29/12/15] Co-ordinated by Prof. G.C. Koli & Prof. R.S. Kulkarni

2] Consultancy Done by Civil Department:-

Sr No	Organization Name	Testing Name	Date	Revenue [Rs]
1	Panchayat Samiti Panhala	Steel testing	31/12/15	1600/
2	Ace Infrastructure , Kolhapur	Concrete Core Testing	6/1/16	800/-
			Total	**2400/-**

3] Consultancy Done by Electrical Department:-

Sr No	Organization Name	Testing Name	Date	Revenue [Rs]
1	Sant Gajanan Maharaj Collage of Engineering,	High Voltage Lab Conduction for students	10/10/2015	9500/-
2	Sanjeevan Engg. Collage, Panhala	Energy Audit in Software lab of SETI,panhala	2015-16	Nil/-
3	Transformer Oil Testing	Institutes Power House	2015-16	NIL/-
			Total	**9500/-**

4] Consultancy Done Central Computing facility [CCF Lab]:-

Consultancy was done in the form of Exam conduction from Various vendors like TCS, Pro Skill

Sr No	Exam Name	Vendor Name	Date	Revenue [Rs]
1	COMEDK	TCS		8250/-
			Total	**8250/-**

PRINCIPAL
Sanjeevan Engg. & Tech. Institute
Somwar Peth, Panhala, Dist.

Holy-Wood Academy's
SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA

R & D, Consultancy cell Formation & Events [2016-17]

Summary of Events :-

1] IPR activity:- Guest Lecture on Law for Engineers [for BE Electrical Students] Delivered by Prof.E.P Salokhe on 2/3/2017.

2] Consultancy Done by Civil Department:-

Sr No	Organization Name	Testing Name	Date	Revenue [Rs]
1	Suraj Eco Homes, Injole	Precast Solid Concrete block [Set1]	29/6/2016	300/-
2	Suraj Eco Homes, Injole	Precast Solid Concrete block [Set1]	30/7/2016	300/-
3	Mattest Laboratory , Kolhapur	Ultrasonic Pulse Velosity Tester	31/3/2017	4000/-
4	Anand Associate, Kolhapur	Precast Solid Concrete [Set1]	7/4/2017	300/-
5	Ace infrastructure, Kolhapur	Steel testing	8/5/2017	3600/-
6	Ace infrastructure, Kolhapur	Precast Solid Concrete block [Set2]	8/5/2017	600/-
7	Anand Associates , Kolhapur	Precast Solid Concrete block [Set3]	24/5/2017	900/-
			Total	10000/-

3] Consultancy Done by Mechanical Department:-

Sr No	Organization Name	Testing Name	Date	Revenue [Rs]
1	RIT islampur	Vibration Analysis of Finned tube array	27/6/2016	12000/-
			Total	12000/-

4] Consultancy Done by Central Computing facility [CCF Lab]:-

Consultancy was done in the form of Exam conduction from Various vendors like TCS, Pro Skill etc.

Sr No	Exam Name	Vendor Name	Date	Revenue [Rs]
1	SSC-CHSL	Pro Skill	7/1/17-9/2/17	3,50891/-
2	SSC-JE	Pro Skill	1/3/17-4/3/17	51920/-
3	MAHATRANSCO	ATTEST TESTING	17/3/17	11000/-
	Total			413,811/-

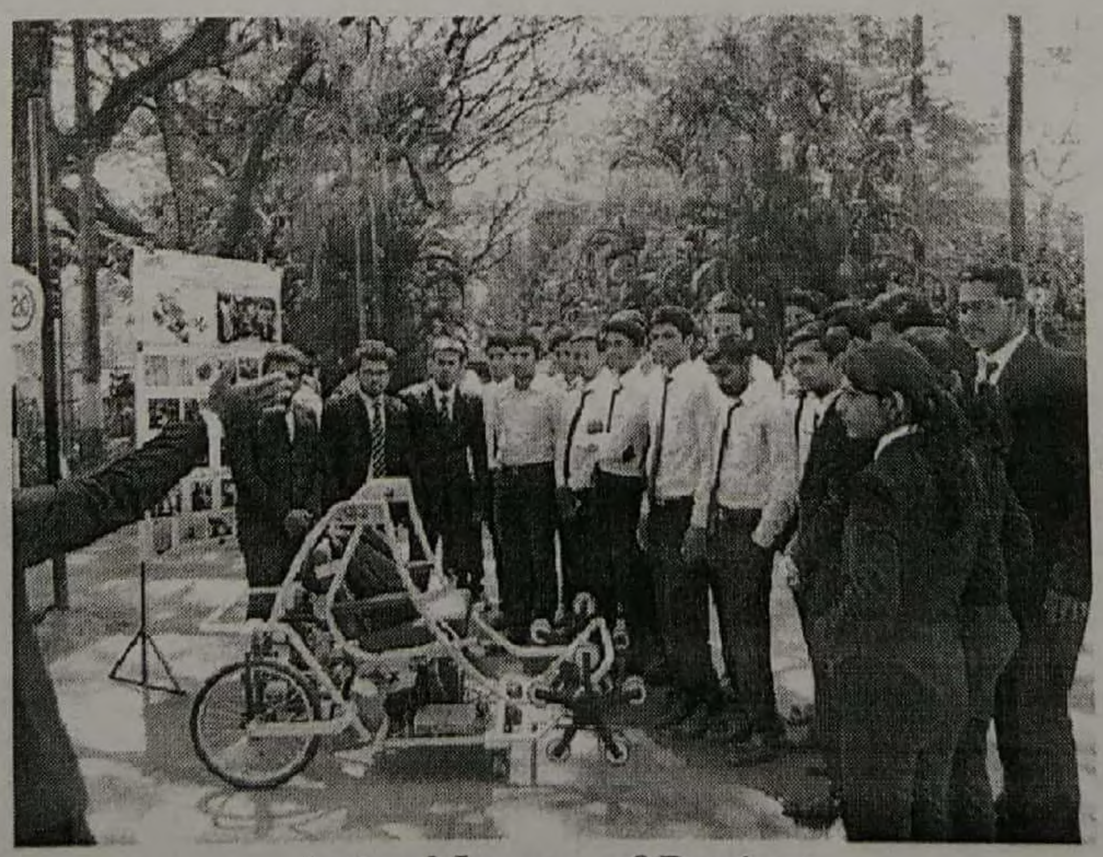
5]Award winning project (Mechanical Dept.) :-

Details:- SMART WHEEL CHAIR:- Final year mechanical students designed and manufactured smart wheel chair. The wheelchair operates with head or hand movement, taking motion as an input signal for the movement of wheelchair in a particular direction. An accelerometer (motion sensor) is used to track these motions.

This sensor is fitted to cap on head. The variations of the sensor are trapped and those signals are fed as inputs to the micro-controller. Now based on these variations the microcontroller is programmed to take decisions which in turn control the movement of wheelchair.

Awards received:-

1) Winners at IET KK Wagh institute of Nashik
2) Winners at Yeshwantrao Chavan college on Engg, Nagpur
3) Winners At SIT Ichalkaranji
4) Times Group Event Happy Street
5) Appreciation Letter from times group
6) Winners At DKTE ichalkaranji
7) Winners at government college karad
8) Appreciation from shivaji university Vice chancellor under make in India event
9) Winners at Lead college event shivaji university



Actual Image of Project

More Details- Video Link:-
http://www.youtube.com/watch?v=PAuV08KTpgs

Mr.Naik Yogesh R.
R&D , Consultancy Cell Incharge.

Holy-wood Academy, Kolhapur
Sanjeevan Engineering and Technology Institute,
Sanjeevan Knowledge City, Panhala, Tal. Panhala, Dist. Kolhapur

Lead College Activity

Item No. 1	Sanctioning of proposals sent by various Institutes
Resolution No.1	As per the recommendations of the working committee the following proposals were accepted and the details of the program and budget sanctioned are shown below.

Sr. No.	Name of Institute	Date	Name of Programme	Programme for	Sanction Amount
01	AMGOI, VATHAR	l6thSept 2017	Research: what, why and how	Ph. D.(Research scholar) & PG Student	13000/-
		18 & 19 August 2017	Hands-on training on Texas instrument MSP430 microcontroller & industrial applications.	Students	20500/-
		20 Oct-2017.	STTP on current research trends and scope in Electrical discharge machining.	Students	10500/-
02	TKIET, WARNANAGAR	First Week of April 2018	Three day workshop on Fire Safety & Fire Audit o Buildings	Students/Staff	10000/-
		03/03/2018	JIDNYASA 2K18 (Lead College Project Competition)	Students/Staff	30000/-
		12 to 16/02/2018	One week hands on Students workshop on Getting started with IoT	Students	20000/-
03	SETI, PANHALA	Decided Mutually	Workshop on Intellectual Property Rights & Patenting	Faculty	12000/-
04	SGI, ATIGRE	02 to 06/04/2018	One week STTP ON "Cloud Computing"	Faculty	25000/-
		09 to 10/06/2018	Two days STTP/FDP ON "Machine Learning for data science"	Faculty & Students	15000/-
05	NMC, PETH	11/09/2017 to 16/09/2017	Aptitude Techniques and Soft Skills	Students	12000/-
06	JJM, Jaysingpur	16 to 17/02/2018	Two Days workshop on IOT: practjcal Approaches	Faculty	17000/-
		03 to 17-12-2017	Significance & Applications of MATLAB in Engineering	Students	10000/-
07	DYP, TALSANDE	26/02/2018	HR Meet	Students	10000/-

Item No. 2	Submission of Lead College fee to Shivaji university, Kolhapur
Resolution No.1	It is resolved to request Principals of all colleges to submit Lead College fee to Shivaji university, Kolhapur (If not paid already)

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth, Panhala, Tal. Panhala, Dist. Kolhapur - 416 201.
Phone : 02328 - 235241, 235493 Fax : 02328 - 235241 Mobile : 9545451966, 9545453831
Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in / setipanhala@gmail.com

Approved By AICTE - New Delhi ▪ Recognized by Govt. of Maharashtra & DTE ▪ Affiliated to Shivaji University, Kolhapur

Date:- 15/2/2018

NOTICE

To Boost IPR Activities , One Day Workshop on "Intellectual Property Rights & Patenting" is arranged. The Details are As Follows.

Day & Time:- Saturday 24th Feb 2018

Time :- 10:00 A.M. Onwards

Venue:- Sir Vishveswarayya Hall [Drawing Hall]

Resource Person:- Prof. P.P. Deshpande, WINNOVATIONS Consultacy Pvt. LTD., Islampur, Former DEAN R&D, RIT, Islampur

THE ATTENDANCE TO THIS WORKSHOP IS MANDATORY.

HOD should make sure that all the faculties of department should attend the same without fail.

Programme Coordinator

Prof.Naik Yogesh R.

Principal

Prof. S.L. Ghodake

About the Workshop

This workshop is specifically organized for Faculty Members & Reaserch Aspirants . This Workshop will gives a brief idea about making Rights for Intellectual Property which present in the form of Idea, Innovation, Publications, Books, Publications & Journals etc. The Workshop sessions will gives knowledge about Patenting issues & Process for the same

After completion of this workshop, the Faculty Members those who are seeking information & track of the same will get clear view on Patenting Concepts ,Process & Issues.

Contents of Workshop

Rights for Intellectual Property Rights :-

- ➥ Concepts
- ➥ Case Studies
- ➥ Process.

Regarding Patenting:-

- ➥ Concepts
- ➥ Case Studies
- ➥ Process.

CHIEF PATRON
Hon'ble Shri. P. R. BHOSALE
Founder & Chairman, Holy-wood Academy, Kolhapur
PATRON
Hon'ble Shri. N. R. BHOSALE
Joint Secretary, Holy-wood Academy, Kolhapur
PRINCIPAL
Prof. S.L. Ghodake

Advisory Committee
Dr. K. Ravi
Director, AMGOI, Vathar
Dr. S. V. Anekar
Principal, TKIET, Warnanagar
Dr. V. A. Raikar
Director, SGI, Atigre
Dr. J. A. Tamboli
Director, NMCE, Peth Naka, Islampur
Prof. A. V. Karvekar
Member Secretary, AMGOI, Vathar

Registration :

The Institute Head should send the Name of Faculty members through mail on or before **22nd February 2018.** Institute should depute at least 2 Faculty members. (max. 3) Faculty members should send scanned copy of this brochures with all information filled with Institute seal. The email address is yogesh.naik@seti.edu.in.

Last date of Registration : 22nd February 2018.

Important Note : Each Institute is requested to register for the workshop. The Institute can depute maximum 3 Faculty members.

Registration Fee

Registration is exclusively Free.

Contact for Registration :

Prof. Y. R. Naik,
R & D Cell Head, Electrical Engg. Dept.
Email : yogesh.naik@seti.edu.in
Mobile : +91-9146999538

Holy-wood Academy, Kolhapur's
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Tal. Panhala, Dist. Kolhapur-416201. (Maharashtra)
Ph.: 0231-2686652, 2686600 Fax :0231-2686629
Website : www.seti.edu.in

One Day Workshop on "Intellectual Property Rights & Patenting" for Faculty

Organized under
LEAD COLLEGE ACTIVITY

Organized by :
SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

24th February 2018

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE
॥ विद्यानां विद्या संजीवनी ॥

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Panhala, Tal. Panhala, Dist. Kolhapur-416201. (M.S.) Ph. : 0231-2686600

Website : www.seti.edu.in

SESSION SCHEDULE & CONTENT:-

TIME	SESSIONS
10:00 AM -10:30 AM	Refreshment [Tea & Breakfast]
10:30 AM–11:00 AM	Inauguration, Introduction & Felicitation ceremony.
11:00AM- 1:00PM	Session I • What is IPR and its relevance in today's competitive world • Types of IPR • Understanding more about : Patents, Copyright • Question – Answer
1:00PM-2:00 PM	Lunch Break
2:00PM-5:00 PM	Session II • What exactly Engineering Institute should do for generating Patents : Action Plan • Case studies • Discussions with faculty members/students on patentable ideas – in the Mind or in process TEA BREAK
5:10 PM-5:30 PM	Valedictory function , Certificate Distribution & Feedback

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5:10 PM-5:30 PM	Valedictory function , Certificate Distribution & Feedback

Bio-Data

Name: Prof.Prashant P.Deshpande

Educational Qualification: ME (Mechanical – Design Engineering)

Experience:**Total:31yrs.**Academic – 13 yrs.+ Industrial – 16yrs + Professional – 02 yrs.

1987 to 1989: 02 years workedat ManugraphIndustries,Kolhapur.

1989 to 1996:07 yrs worked as Assistant Professor in Mech.Engg.Dept. at RIT, Islampur. Handled various responsibilities like Workshop Superintendent, College magazine Editor, Cultural activity In-charge etc.

1996 to 2010:14 yearsworked in Industry – Emerson Climate Technologies (India) Ltd., Karad.

- 1996 to 2005: worked as Manager – Technology Support Dept.
- 2005 to 2010: worked as Head – Research and Development dept.
- Visited USA,Germany,China,Japan,Taiwan,HongKong,Singapore and few other countries for Technology transfer and R&D collaborative projects.
- Developed world class **Product Development Centre** at Karad.
- Inventor and Patent holder: **Four patents** granted, **Eight patents** are provisionally registered.

2010 to 2016:06 years

- Worked as **Dean (R&D)** at Rajarambapu Institute of Technology (RIT), Islampur
- Developed dedicated **IPR cell** and culture of **socially inspired Innovations**
- **Established Centre of Innovation, Incubation and Entrepreneurship Development (CIIED)**
- Duringthis period RIT received Research Grant more than **Rs.1.5 Crores, Filed 26 patents**
- **One Product** commercially launched,**Four** more in process of Commercialisation/Technology Transfer
- Active participation in Academic reforms like OBE framework, UG/PG structure and curriculum revision, introduction of new electives based on recent advances in Industry, feedback system
- Delivered several lectures on various topics related to advanced Engineering and Technology, Intellectual property rights, Innovation Management, Engineering Education etc. in Industries and Institutes within country and abroad.
- **Areas of Interest**: Acoustic Engineering, Tribology, New Product Design and Development, Innovation Management, Patenting and Product commercialization etc.
- **Awards and Accolades:**

1. Received appreciation certificate at the hands of **PadmavibhushanDr.RaghunathMashelkar** for promoting Research, Innovation and Intellectual Property Rights in the year 2012.
2. Received appreciation certificate at the hands of **PadmavibhushanHon.Ratan Tata** for the development of Sugarcane Harvester in the year 2013.

Yogesh Naik <yogesh.naik@seti.edu.in>

Invitation Regarding Conducting Work shop on Intellectual Property Rights & patenting

3 messages

Yogesh Naik <yogesh.naik@seti.edu.in> Sat, Feb 10, 2018 at 3:58 PM
To: pprt65@gmail.com
Cc: Principal seti <principal@seti.edu.in>, raghunath kulkarni <raghunath.kulkarni@seti.edu.in>

Respected Sir,

We are planning to organise a University Level **one Day workshop on "Intellectual Property Rights & Patenting"** in our institute. So we are pleased to invite you as Honorary Resource Person for this workshop. You have already established your work with several years of research experience. Your guidance regarding research & Patenting problems, your approach, national-international status shall be enlightening to the Faculty members & research aspirants.

As you had telephonic discussion with Prof. R.S. Kulkarni sir, earlier we planned this w/s on Saturday 10th feb. 2018. But we postponed the w/s due to inevitable reasons. So this workshop is scheduled on Saturday, 24th February 2018. If this date is inconvenient to you , then kindly suggest some another date [Probably Saturday].

We would very thankful if you would accept our invitation to deliver session. Your cooperation in this direction will highly encourage us and make the workshop a grand success. Inconvenience is regretted due to postponing.

Kindly communicate your acceptance as soon as possible.

Program Co-ordinator,
Prof. Naik Yogesh R.
SETI, Panhala
yogesh.naik@seti.edu.in
9146999538

Prashant Deshpande <pprt65@gmail.com> Mon, Feb 12, 2018 at 2:58 PM
To: Yogesh Naik <yogesh.naik@seti.edu.in>
Cc: Principal seti <principal@seti.edu.in>, raghunath kulkarni <raghunath.kulkarni@seti.edu.in>

Dear Prof.Yogesh Naik,
Thank you for inviting me as resource person for workshop on IPR on Saturday 24th feb.2018.
This date is suitable for me so accordingly you may plan your related activities.Please inform time schedule of this program.
Regards,
Prof.P.P.Deshpande,
WINNOVATIONS Consultancy services Ltd., Islampur.Dist.Sangli.
M: 9890080711, pprt65@gmail.com
[Quoted text hidden]

Yogesh Naik <yogesh.naik@seti.edu.in> Mon, Feb 12, 2018 at 5:09 PM
To: Prashant Deshpande <pprt65@gmail.com>

Thank You Sir for Accepting invitation. Sir Kindly send me your Biodata. Also mail me topics which you are going to deliver [Helpful for displaying session content].

Time Schedule:-
10:00 AM -10:30 AM :- Refreshment

10:30 AM--11:00 AM:- Inauguration ,Introduction & Felicitation ceremony.

Date: 24/02/2018

One Day Workshop
on
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REGISTRATION DETAILS
(Internal Participants)

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8)	Prof. A.M. Momin	SETI, Panhala	anarkali@seti.edu.in	9158008302	
9)	Prof. H.D. Bhosale	SETI, Panhala	hemantkumar.bhosale@seti.edu.in	9422418784	
10)	Prof. R.B. Satapute	SETI, Panhala	rupeshb53737@gmail.com	8308973737	
11)	Prof. A.N. Naik	SETI, Panhala	abhijeet.naik@seti.edu.in	9049736797	
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13)	Prof. S.B. Deshmukh	SETI, Panhala	sardar.deshmukh@seti.edu.in	9765922586	
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15)	Prof. R.D. Mane	SETI, Panhala.	rsinghmane@gmail.com	9665464746	

Date: 24/02/2018

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22)	Prof. A.B. Chavan	SETI, Panhala	amol.chavan@seti.edu.in	9765269941	
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24)	Prof. D.V. Patil	SETI, Panhala	777dhananjay@gmail.com	9923303000	
25)	Prof. A.S. Kekare	SETI, Panhala	amar.kekare@rediffmail.com	7756002746	
26)	Prof. Dr. V.A. Patil.	SETI, Panhala	Vishal.patil@seti.edu.in.	9049439898	
27)	Prof. S.J. Patil	SETI, Panhala	shivaraj.patil@seti.edu.in	9921999008	
28)	Prof. M.A. Patil	SETI, Panhala	manik.patil@seti.edu.in	9422358551	
29)	Prof. S.S. Kumbhar	SETI, Panhala	Sunil.kumbhar@seti.edu.in	9119586476	
30)	Prof. A.P. Bhosale	SETI, Panhala	bhosaleamrut13@gmail.com	7620077077	

Date: 24/02/2018

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33)	Prof. D. S. Virkar	SETI, Panhala	deepak.virkar@seti.edu.in	8600772160	
34)	Prof. Shankar Pujari	SETI, Panhala	shankar.pujari@seti.edu.in	99227722522	
35)	Prof. M. M. Hajare	SETI, Panhala	mangesh.hajare@seti.edu.in	8087613855	
36)	Prof. A. S. Belekar	SETI, Panhala	amol.belekar@seti.edu.in	7218900400	
37)	Prof. P. L. Gaikwad	SETI, Panhala	priyanka.gaikwad@seti.edu.in	9657738731	
38)	Prof. S. A. Babar	SETI, Panhala	samrat.babar@seti.edu.in	9226772224	
39)	Prof. P. R. Kamble	SETI, Panhala	pravinkamble.ese@gmail.com	9850320362	
40)	Prof. P. S. Landge	SETI, Panhala	pramod.landge@gmail.com	9689978834	
41)	Prof. J. B. Metkari	SETI, Panhala	jagannath.metkari@seti.edu.in	8605074557	
42)	Prof. Y. R. Naik	SETI, Panhala	yogesh.naik@seti.edu.in	9146999538	
43)	Prof. A. M. Bhandare	SETI, Panhala	arvind.bhandare@seti.edu.in	9146999539	
44)	Prof. P. P. Kulkarni	SETI, Panhala	hodelectrical@seti.edu.in	7769042033	
45)	Prof. D. M. Kerutagi	SETI, Panhala	kerutagi.deepa3@~~seti.edu.in~~ gmail.com	9743360483	

Date: 24/02/2018

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47)	Prof. S. P. Jadhav	SETI, Panhala	sachin.jadhav@seti.edu.in	9420676967	
48)	Prof. N. S. Jadhav	SETI, Panhala	nilesh.jadhav@seti.edu.in	9146999540	
49)	Prof V. T. Metbari	SETI, Panhala	vishal.metbari@seti.edu.in	9146999541	
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51)	Prof. V. S. Mane	SETI, Panhala	vikas.mane@seti.edu.in	7387917318	
52)	Prof. P. V. Mohite	SETI, Panhala	prajakta.mohite13@gmail.com	7507024346	
53)	Prof. P. P. Shendage	SETI, Panhala	shendage.priyanka1@gmail.com	8888433036	
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55)	Prof. S. T. Jadhav	SETI, Panhala	sharadtjadhav@gmail.com	9767100876	
56)	Prof V. M. Deokar	SETI, Panhala	vinayakdeokar@gmail.com	9146999509	
57)	Prof. U. S. Ghorpade	SETI, Panhala	umesh.ghorpade@seti.edu.in	9096306578	
58)	Prof. C. M. Gaikwad	SETI, Panhala	chetan.gaikwad@seti.edu.in.	7276404014	
59)	Prof. N. G. Khan	SETI, Panhala	nilofer.khan@seti.edu.in	8698761278	
60)	Prof. V. B. Patil	SETI, Panhala	vikram.b.patil@seti.edu.in	9975216930	

Date: 24/02/2018

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REGISTRATION DETAILS
(Internal Participants)

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62)	Prof. M.V. Patil	SETI, Panhala	mahesh.Patil@seti.edu.in	9423559605	M.V. Patil
63)	Prof. N.S. Nidossi	SETI - Panhal	ningappa.nidesosi@seti.edu.in	9130812957	
64)	Prof. N.G. khan	SETI, Panhada.	nasrin.khan@seti.edu.in	9607276258	
65)	Prof N.S. Sirdeshpande	SETI Panhala	hodcse@seti.edu.in	9449052468	
66	Prof H.H. Powar	SETI, Panhala	hanidas.powar@seti.edu.in	9860198546	
67	Prof - G.R. Desai	SETI, Panhala	gauri.desai@seti.edu.in	8805893941	

Date: 24/02/2018

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2.	Prof. S. R. Patil	DYPCOE KOP.	sopatil272@gmail.com	9975217293	
3)	Assistant Prof. P.B. Kulkarni	SGI Atigre	kulkarni.pb@sginstitute.in	9766129153	
4)	Prof. Kumbhar Y. B.	SGI Atigre	kumbhar.yb@sginstitute.in	7719816555	
5)	Prof. M. V. Mane.	DYPCET, KOP	maalumibeit2009@gmail.com	9028857476	

Date: 24/02/2018

One Day Workshop
on
"Intellectual Property Rights & Patenting For Faculty"
Organized Under
LEAD COLLEGE ACTIVITY
Organized By
SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA

ATTENDANCE
(Internal Participants)

Sr. No	Name of Participant / Faculty	Name of Institution / Organization	Session-I (11.00 am- 1.00 pm)	Session-II (2.15 am - 3.15 pm)
1	Dr. Patil Vishal Arun	S.E.T.I., Panhala		
2	Miss Momin Anarkali Majid	S.E.T.I., Panhala		
3	Mr. Agnihotri Sameer Avinash	S.E.T.I., Panhala		
4	Mr. Ashok B. Kolekar	S.E.T.I., Panhala		
5	Mr. Atigre Pravin Shivaji	S.E.T.I., Panhala		
6	Mr. Babar Samrat Ashok	S.E.T.I., Panhala		
7	Mr. Belekar Amol Sambhaji	S.E.T.I., Panhala		
8	Mr. Bepari Muzammail M.	S.E.T.I., Panhala		
9	Mr. Bhandare Arvind Madukar	S.E.T.I., Panhala		
10	Mr. Bhosale Hemantkumar Dhondiram	S.E.T.I., Panhala		
11	Mr. Bhosale Abhijeet Tanajirao	S.E.T.I., Panhala		
12	Mr. Bhosale Amrut Pandurang	S.E.T.I., Panhala		
13	Mr. Chavan Amol Bajarang	S.E.T.I., Panhala		
14	Mr. Chavan Shrivallabh Sarjerao	S.E.T.I., Panhala		
15	Mr. Deokar Vinayak Hindurao	S.E.T.I., Panhala		
16	Mr. Deshmukh Sardar Balaso	S.E.T.I., Panhala		

Date: 24/02/2018

One Day Workshop
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ATTENDANCE
(Internal Participants)

Sr. No	Name of Participant / Faculty	Name of Institution / Organization	Session-I (11.00 am- 1.00 pm)	Session-II (2.15 am - 3.15 pm)
17	Mr. Dongarsane Chetan Rajan	S.E.T.I., Panhala		
18	Mr. Gaikwad Chetan Madhukar	S.E.T.I., Panhala		
19	Mr. Gavade Jagdish Jyotiba	S.E.T.I., Panhala		
20	Mr. Ghorpade Umesh Suresh	S.E.T.I., Panhala		
21	Mr. Hajare Mangesh Mhalu	S.E.T.I., Panhala		
22	Mr. Haridas Hanmant Powar	S.E.T.I., Panhala		
23	Mr. Jadhav Nilesh Sharad	S.E.T.I., Panhala		
24	Mr. Jadhav Sachin Parshuram	S.E.T.I., Panhala		
25	Mr. Jadhav Sharad Tukaram	S.E.T.I., Panhala		
26	Mr. Jagannath Bapu Metkari	S.E.T.I., Panhala		
27	Mr. Kamble Pravin Rau	S.E.T.I., Panhala		
28	Mr. Katkar Amol Shivajirao	S.E.T.I., Panhala		
29	Mr. Katkar Ajit Ashok	S.E.T.I., Panhala		
30	Mr. Kekare Amar Sarejero	S.E.T.I., Panhala		
31	Mr. Koli Gajanan Chandrashekhar	S.E.T.I., Panhala		
32	Mr. Kulkarni Prasad Pradeep	S.E.T.I., Panhala		

One Day Workshop
on
"Intellectual Property Rights & Patenting For Faculty"
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SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA

Date: 24/02/2018

ATTENDANCE
(Internal Participants)

Sr. No	Name of Participant / Faculty	Name of Institution / Organization	Session-I (11.00 am- 1.00 pm)	Session-II (2.15 am - 3.15 pm)
33	Mr. Kumbhar Sunil Shashikant	S.E.T.I., Panhala		
34	Mr. Landge Pramod Shivaji	S.E.T.I., Panhala		
35	Mr. Mahesh V. Patil	S.E.T.I., Panhala		
36	Mr. Mane Ranjitsngh	S.E.T.I., Panhala		
37	Mr. Mane Vikas Shivaji	S.E.T.I., Panhala		
38	Mr. Metkari Vishal Tukaram	S.E.T.I., Panhala		
39	Mr. Mevekari Jabbar Siraj	S.E.T.I., Panhala		
40	Mr. Naik Abhijit Narayanrao	S.E.T.I., Panhala		
41	Mr. Naik Yogesh Ramchandra	S.E.T.I., Panhala		
42	Mr. Nandkisho S. Sirdeshpande	S.E.T.I., Panhala		
43	Mr. Ningappa S. Nidsossi	S.E.T.I., Panhala		
44	Mr. Nishat V. Patil	S.E.T.I., Panhala		
45	Mr. Patil Dhananjay Vasantao	S.E.T.I., Panhala		
46	Mr. Patil Manik Anandrao	S.E.T.I., Panhala		
47	Mr. Patil Shivaraj Jaysing	S.E.T.I., Panhala		
48	Mr. Patil Vikram Babasaheb	S.E.T.I., Panhala		

One Day Workshop
on
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SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA

Date: 24/02/2018

ATTENDANCE
(Internal Participants)

Sr. No	Name of Participant / Faculty	Name of Institution / Organization	Session-I (11.00 am- 1.00 pm)	Session-II (2.15 am - 3.15 pm)
49	Mr. Pisal Sachin Krishanat	S.E.T.I., Panhala		
50	Mr. Salokhe Eknath Pandurang	S.E.T.I., Panhala		
51	Mr. Satapute Rupesh Balawant	S.E.T.I., Panhala		
52	Mr. Shelake Amit Subhash	S.E.T.I., Panhala		
53	Mr. Thoke Amit Chandraprakash	S.E.T.I., Panhala		
54	Mr. Urunkar Rahul Uday	S.E.T.I., Panhala		
55	Mr. Vanmore Swapnil Vasantrao	S.E.T.I., Panhala		
56	Mr. Virkar Dipak Subhash	S.E.T.I., Panhala		
57	Mr.Dhende Abhideep Nandkumar	S.E.T.I., Panhala		
58	Ms. Gaikwad Priyanka Lahu	S.E.T.I., Panhala		
59	Ms. Khan Nasreen Gulabsab	S.E.T.I., Panhala		
60	Ms. Priyanka P. Shendage	S.E.T.I., Panhala		
61	Smt. Bendre Pallavi Gajanan	S.E.T.I., Panhala		
62	Smt. Kerutagi Deepa M.	S.E.T.I., Panhala		
63	Smt. Prajakta U. Mohite	S.E.T.I., Panhala		
64	Prof. V.D.Thorat	S.E.T.I., Panhala		
65	Prof. Shankar Pujari	S.E.T.I., Panhala		
66	Ms. Khan Nilofer G.	S.E.T.I., Panhala		
67.	Mrs. Desai G.R	SETI Panhala		

Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Panhala, Tal. Panhala, Dist. Kolhapur-416201. (M.S.)

Website : www.seti.edu.in Ph. : 0231-2686600

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE since : 2009 Excellence Through Education

SHIVAJI UNIVERSITY KOLHAPUR

WINNOVATIONS CONSULTANCY SERVICES

Certificate

ONE DAY WORKSHOP FOR FACULTY

Organized under

LEAD COLLEGE ACTIVITY

This is to certify that, Mr. / Mrs. / Miss. _____

of _____ *participated in*

One day workshop on "INTELLECTUAL PROPERTY RIGHTS & PATENTING" *Held on 24th February 2018*

Workshop Co-ordinator	Lead College Co-ordinator	Principal	Resource Person
Prof. Naik Yogesh R.	Prof. Arvindkumar S.G.	Prof. Ghodake S.L.	Prof. Deshpande P.P. WINNOVATIONS CONSULTANCY SERVICES

Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur

Pin- 416 201. (Maharashtra) Phone : 0231 - 2686600, 21 Fax : 0231 - 2686629

Approved By AICTE - New Delhi *Recognized by Govt. of Maharashtra & DTE* *Affiliated to Shivaji University, Kolhapur*

Website : www.seti.edu.in **Email :** principal@seti.edu.in / office@seti.edu.in **EN 6315**

Date – 26/2/2018

To,

The Principal,

SETI, Panhala

Sub – Bill summary of Programs arranged under Lead College Activity of Shivaji University, Kolhapur during F.Y. 2017-18.

Respected Sir,

I am herewith submitting the bills of program which were organized in our Institute for the financial year 2017-18 under Lead College Activity of Shivaji University, Kolhapur.

Sr. No.	Name of Program	Conduct activity on	Date	No of attendance	Amount
1	Intellectual Property Rights & Patenting	Teaching Faculty	24 February 2018	72	12891=00

In words **Rs. Twelve Thousand Eight Hundred Ninety One Only**

This is for your kind perusal and acceptance.

Also I kindly request you to reimburse the expenses incurred towards organizing the above mentioned programs at the earliest.

[Prof. Naik Yogesh]

Thanking you,

Yours Faithfully

UTILIZATION CERTIFICATE

For the Faculty Members of Sanjeevan Engineering & Technology Institute, Panhala & Other Collages Under Lead Activity going to Participate in a One day Workshop entitled 'Intellectual Property Rights & Patenting' has been selected for workshops under Lead College Activity of Shivaji University, Kolhapur. For this project work, Institute has already paid amount required for Guest materials, travelling, report preparation etc. In this scheme, Lead College, Shivaji University, Kolhapur will pay Rs. 12000/- (Rs. Twelve Thousand only) after completion of this workshop.

The expenditure incurred of Rs. 12000/- (Rs. Twelve Thousand only) receivable from the Lead College, Shivaji University. (In case of advance is not taken).

This is certify that the original vouchers/bills and stamped receipt for the above mentioned statements of A/c are retained in this office and will be made available and when required.

Place: SETI, Panhala

Date- 26/02/2018

Director

PRINCIPAL
Sanjeevan Engg. & Tech. Institute
Somwar Peth, Panhala, Dist. Kolhapur.

Certified that the expenditure mentioned in receipt and payment A/C has been scrutinized as per existing rules and regulations and found correct.

Place: Kolhapur

Date- 26/02/2018

Chartered Accountant

Sanjeevan Engineering & Technology Institute , Panhala

Scheme of Shivaji University, Kolhapur

Details of Expenditure incurred for Workshop work-

Sr. No.	Item description	Bill No.	Quantity	Rate	Amount
1	Resource Person Remuneration	------	1	5000/-	5000/-
2	Memento [for Guest]	3405	1	590/-	590/-
3	Certificates [A4 Size] Design Charges Certificate Cutting	467	100 1 100	10/- 100/- 0.2/-	1000/- 100/- 20/-
4	Broucher [A4 size] [Phamplate] Cutting Charges	437	26 26	16/- 0.38/-	416/- 10/-
5	Banner [Flex 6x4 foot]	2686	1	480/-	340/-
6	Stationary	077	1	1345/-	1345/-
7	Stationary [Mic Cell]	--	1	50/-	50/-
8	Inaugural Materials	18	1	70/-	70/-
9	Flowers & Garlands	105	1	85/-	85/-
10	Tea Cups & Dish Plates [Use & Throw]	127	1	225/-	225/-
11	Tea [Two Times] Nashta Mineral Water & Cold-drinks	302	80 * 2 80	7/- 30/- 80/- 40/-	1120/- 2400/- 80/- 40/-
		Total amount			12,891/-

(In words Rs. **Rs. Twelve Thousand Eight Hundred Ninety One Only**)

Workshop advisor

Principal/Director

PRINCIPAL
Sanjeevan Engg. & Tech. Institute
Somwar Peth, Panhala, Dist. Kolhapur

Date-26/2/2018

To,
The Principal,
Sanjeevan Engineering & Technology Institute,
Panhala,
Tal- Panhala, Dist- Kolhapur (Maharashtra).

Sub- Attached Documents for bills of **under lead college Program** S. U. Kolhapur

Name of Co-ordinator: - Mr. Naik Yogesh Ramchandra

Designation: - Asst. Professor Department:- Electrical.

ACTIVITY – Student/Academic/Research/Cultural/Sports/Other

Respected Sir,

We have successfully organized the Faculty Training/Workshop/Conference/Students Training Programme on Intellectual Property Rights & Patenting of G department from 24/2/18 to 24/2/18 period. Following documents are attached herewith. **(Please Tick Mark Need full)**

1) Bill Summary (Original Bills with attached on rough paper) ☑
2) Praposal/Saction Budget ☑
3) Broucher/pamplet ☑
4) Feedback form- Student/staff ☑
5) Programme Schedule ☑
6) List of Participant /Numbers ☑
7) Photographs (Min. 2 Nos.) ☑
8) Certificate Xerox ☑
9) Co-coordinator Report ☑

Coordinator Signature

Principal Seal & Signature

Holy-Wood Academy's
SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA

LEAD COLLAGE ACTIVITY

A Report on

"One Day Workshop on Intellectual Property Rights & Patenting"

Title of FDP-: "One Day Workshop on Intellectual Property Rights & Patenting"

Duration-: 24th Feb 2018. One Day

Time:- 11.00 am Onwards

Venue:- Mechanical Seminar Hall [202]
Total No of Participants:- 72
ORGANIZED UNDER:- Lead Collage Activity

Resource Persons-: 1) Prof. Deshpande Prashant P. [Winnovations Counsultancy Pvt Ltd. Islampur, Former Head, Center of Innovation , Incubation & Entrepreneurship Development cell , RIT, Islampur]

Program Coordinator-: Prof . Naik Yogesh R. [Electrical Dept.]

Target Audience:- Faculty of SETI Panhala & All Collages Under Lead Activity

Workshop Details:-

On 24th Feb 2018, Institute Hosted a full-day workshop entitled **"One Day Work on Intellectual Property Rights & Patenting" at SETI , Panhala**

The purpose of the workshop was to get Cleat Idea about Patenting Process , Issues & Role of IPR Cell in institute.

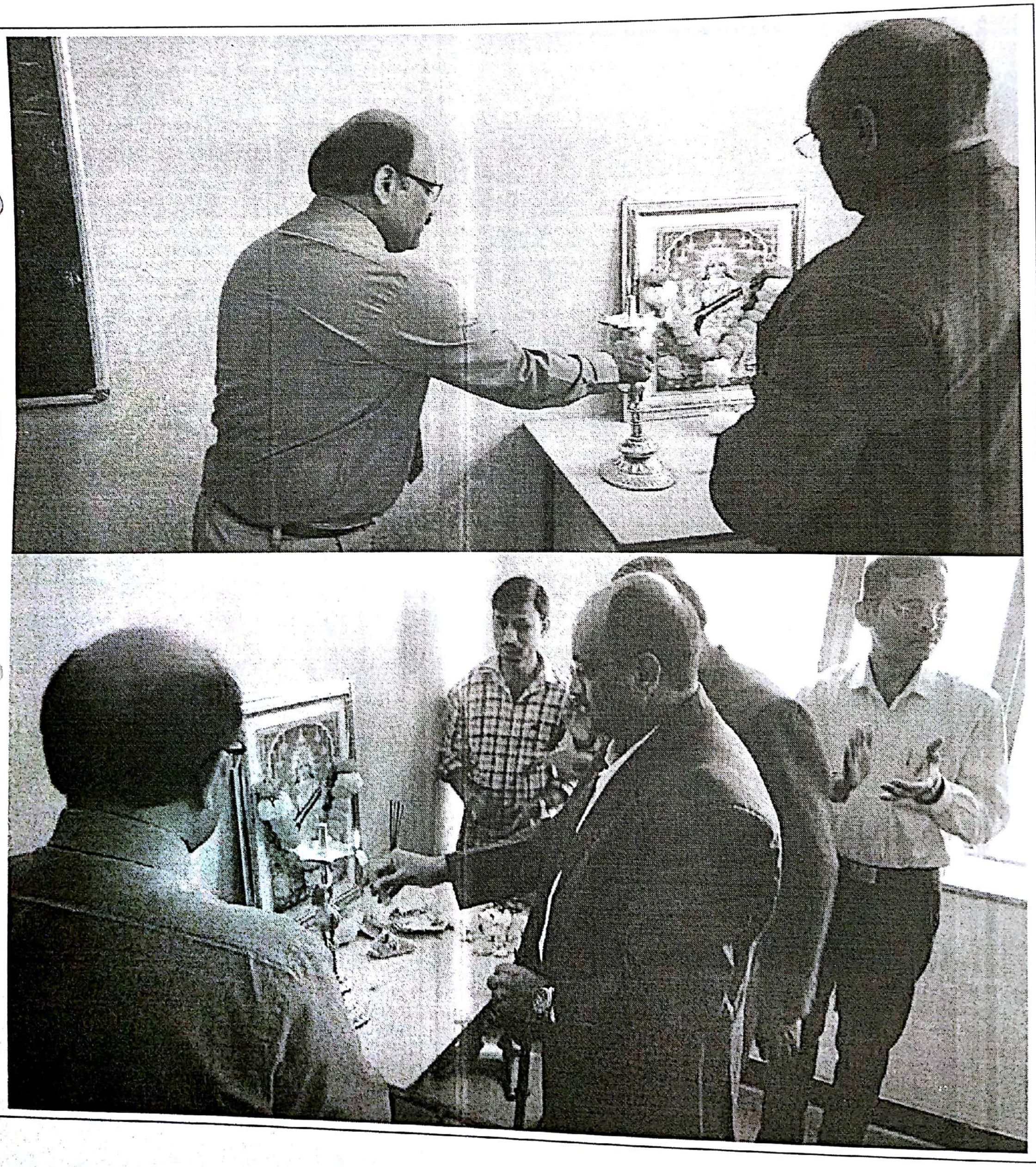
The Workshop Was Coordinated by Prof . Naik Yogesh R . Prof. Mr Hajare M.M. Initiated the Anchoring for the workshop.

The Workshop was begun with Types of IPR . He cleared a detailed idea on Patents & Major areas to Achieve it.

In next session, resource person focused on Action Plans & Process for Property rights & Patenting .

The resource person achieved more than four patents & 8 Patents ongoing. Also in that active session he given many cases & examples of people those who achieved patents in their interesting area.

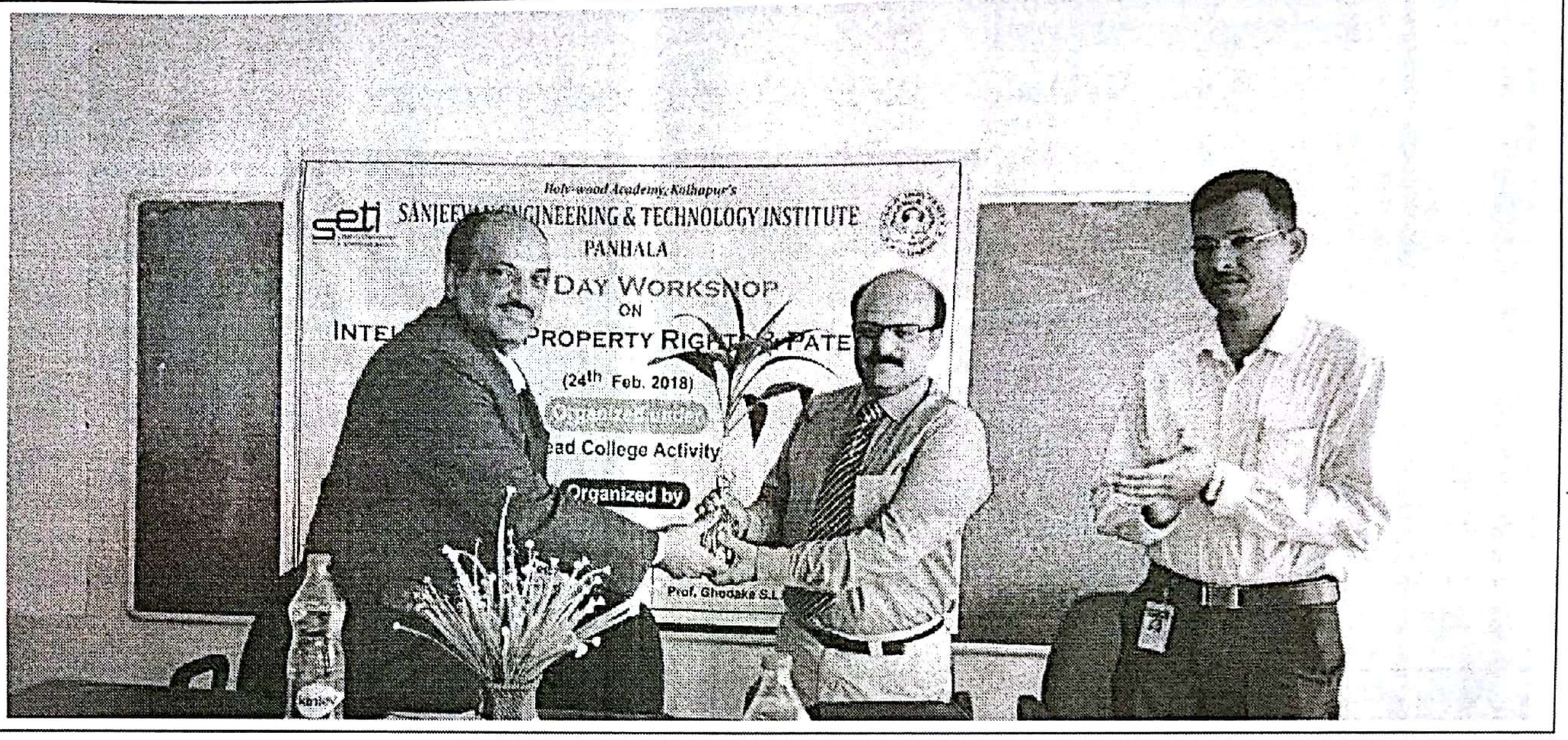
Picture Gallery:-



Inauguration Function

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE
॥ विद्यानां विद्या संजीवनी ॥

Holy-Wood Academy's
SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA



Felicitation of Resource Person by Chairman Sir

Participants of Workshop

Snaps Of Function

SESSION & CONTENT:-

TIME	SESSIONS
10:00 AM -10:30 AM	Refreshment [Tea & Breakfast]
10:30 AM--11:00 AM	Inauguration, Introduction & Felicitation ceremony.
11:00AM- 1:00PM	**Session I** • What is IPR and its relevance in today's competitive world • Types of IPR • Understanding more about : Patents, Copyright • Question – Answer
1:00PM-2:00 PM	Lunch Break
2:00PM-5:00 PM	**Session II** • What exactly Engineering Institute should do for generating Patents : Action Plan • Case studies • Discussions with faculty members/students on patentable ideas – in the Mind or in process
5:10 PM-5:30 PM	TEA BREAK Valedictory function , Certificate Distribution & Feedback

Report by

Prof . Naik Yogesh R.
Program Coordinator.

Holy-wood Academy, Kolhapur's

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Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in **EN 6315**

RefNo:- SETI/2018/82A

Date: 24th February 2018

To,

Mr. P.P.Deshpande
Winnovations Consultancy Pvt. Ltd.
Islampur.
Former Dean R & D, RIT Islampur

Dear Sir,

We would like to extend our warm thanks to you for conducting One day workshop on **"Intellectual Property Rights & Patenting"**.

The information presented by you is beneficial to the engineering faculty members from various departments.

We genuinely thank you once again for the support and time given by you and we sincerely hope that you would continue to extend your valuable support in our future initiatives as well.

Thanking You,

Yours Faithfully,

Principal
Prof. Ghodake S.L.

Received
Deshpande
24/02/18.

SANJEEVAN ENGG. & TECH. INSTITUTE ★ PANHALA

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth, Panhala, Tal. Panhala, Dist. Kolhapur - 416 201.
Phone : 02328 - 235241, 235493 Fax : 02328 - 235241 Mobile : 9545451966, 9545453831
Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in / setipanhala@gmail.com
▪ *Approved By AICTE - New Delhi* ▪ *Recognized by Govt. of Maharashtra & DTE* ▪ *Affiliated to Shivaji University, Kolhapur*

Date: - 18/12/2017

To,

The Principal,

SETI, Panhala.

Subject:- Regarding Sanctioning Budget of Under Lead Collage One Week Workshop on **" Electrical CAD"** for T.E. (Electrical) Students.

Respected Sir,

With Mentioned to above subject, Under Lead Collage activity sanctions One Week Workshop on **"Electrical CAD"** for Students. Our Department is planning to conduct this workshop for class T.E.(Electrical) students. The Date for Workshop is **2nd January – 6th January 2018**. The Resource Person will be Mr. Shaha S. A. from CAD institute of design Sangli. We have made Budget for the Workshop which is as follows.

Sr.No	Particulars	Cost (in Rs.)
1	Resource Person Remuneration	15000/-
2	Resource Person Tea & Breakfast	1000/-
3	Certificates [100*10Rs.& With Cutting Charges]	1000/-
4	Memento	500/-
5	Flex Banner	500/-
6	Tea [60 Persons* Two Times Day]	5000/-
7	Miscellaneous	500/-
	TOTAL	**23500/- Rs.**

I Hope you will do the needful actions to initiate the workshop.

Thanking You,

Yours faithfully,
Workshop Coordinator
Department of Electrical Engineering

forwarded Principal sir.

21/12/17

Pl. go ahead

21/12/17

Sanctioned

CHIEF PATRON

Hon'ble Shri. P. R. BHOSALE
Founder & Chairman, Holy-wood Academy, Kolhapur

PATRON

Hon'ble Shri. N. R. BHOSALE
Joint Secretary, Holy-wood Academy, Kolhapur

CHAIRMAN

Dr. U. S. Hampannvar
Principal

ADVISORY COMMITTEE :

Dr. K. Ravi
Director, AMGOI, Vathar

Dr. S. V. Anekar
Principal, TKIET, Warnanagar

Dr. V. A. Raikar
Director, SGI, Atigre

Dr. J. A. Tamboli
Director, NMCE, Peth Naka, Islampur

Prof. A. V. Karvekar
Member Secretary, AMGOI, Vathar

HEAD OF DEPARTMENT :

Prof. P. P. Kulkarni, HOD, Electrical Engg. Dept.

Organizing Committee:

Prof. S. G. Arvindkumar
Lead Co-ordinator, SETI, Mechanical Engg. Dept.

Prof. A. S. Bannenvar, TPO, SETI

Prof. A. M. Bhandare, Workshop Coordinator
Electrical Engg. Dept.

Prof. D. R. Shelar, Workshop Co-coordinator
Electrical Engg. Dept.

Mr. R. A. Ingavale, Director of Phy. Edu., SETI

Prof. Y. R. Naik, Electrical Engg. Dept.

Prof. A. P. Redekar, Electrical Engg. Dept.

Prof. P. B. Gurav, Electrical Engg. Dept.

Prof. V. T. Metkari, Electrical Engg. Dept.

Prof. Ms. P. G. Bendre, Electrical Engg. Dept.

Prof. Ms. S. N. Patil, Electrical Engg. Dept.

Prof. Ms. D. M. Keruttagi, Electrical Engg. Dept.

OURCE PERSONS :

Mr. Sunny Shaha
Admin : CAD Institute of Design, Sangli

Registration :

The participants should send the applications (Hard or Scan copy) in the specified format enclosed here to reach the Coordinators via post or e-mail latest by 31st Dec. 2017.

Registration Fee : Free

Under Lead College only

Last date of Registration : 31st Dec. 2017

Important Note : Each Institute is requested to register maximum two Students from their Electrical Engineering Department

Contact for Registration :

Prof. A. M. Bhandare,
Electrical Engg. Dept.
Email : arvind.bhandare@seti.edu.in
Mobile : +91-9146999539 / 9421174233

Prof. D. R. Shelar
Electrical Engg. Dept.
Email : deepak.shelar@seti.edu.in
Mobile : +91-9146999544

Holy-wood Academy, Kolhapur's
Sanjeevan Engineering & Technology Institute
Sanjeevan Knowledge City, Panhala,
Tal. Panhala, Dist. Kolhapur-416201. (Maharashtra)
Ph.: 0231-2686655, 2686600 Fax :0231-2686629
Website : www.seti.edu.in

One Week Workshop on

"Electrical CAD"

2nd to 6th Jan. 2018

Under Lead College Activity
Shivaji University, Kolhapur

Organized by

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE
|| विद्यानां विद्या संजीवनी ||

Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

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Tal. Panhala, Dist. Kolhapur-416201. (M.S.)
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Ph. : 0231-2686655, 0231-2686600

Department of Electrical Engineering

HOLY-WOOD ACADEMY'S

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE,PANHALA

DEPARTMENT OF ELECTICAL ENGINEERING

One Week Workshop on " ELECTRICAL CAD"

ATTENDENCE SHEET (T E ELECTRICAL)

Roll No	Students Name	DATE-: 02/01/2018		DATE-: 03/01/2018		DATE-: 04/01/2018		DATE-: 05/01/2018		DATE-: 06/01/2018	
		Session-I	Session-II	Session-I	Session-II	Session-I	Session-II	Session-I	Session-II	Session-I	Session-II
1	NAIK VAIJANATH BAJIRAO Bhagavan										
2	ANGAJ UTSAV SARJERAO										
3	APATE ADITI ASHOK										
4	ASWALE AISHWARYA VILAS										
5	AYARE SHUBHAM SUNIL										
6	BASUGADE SUSHANT UTTAM										
7	BHALEKAR SONALI SARJERAO										
8	CHAVAN GANESH SUBHASH										
9	CHAVAN NIHAR NITIN										
10	CHOUGULE PRUTHVIRAJ S.										
11	DESAI ASHWINI MARUTI										
12	DIVEKAR MADHURA NIVRUTTI										
13	GANDHI SHWETA VISHWANATH										
14	GAVALI ARUN GANAPATI										
15	GAWADE NITIN KRISHNA										
16	GHATAGE PRANJALI DINESH										
17	GHODAKE AKASH SANDIPAN										
18	HAVALDAR KAUTUK ASHOK										
19	JADHAV AKSHAY SAMBHAJI	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
20	JADHAV AMAR VITTHAL										
21	JADHAV RAHUL RAGHUNATH										
22	KADAM AVINASH C										
23	KADAM POOJA KESHAV										
24	KALE VEDIKA BABAN										
25	KAMBLE ARTI ASHOK										

Attenda

HOLY-WOOD ACADEMY'S

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE,PANHALA

DEPARTMENT OF ELECTICAL ENGINEERING

One Week Workshop on " ELECTRICAL CAD"

ATTENDENCE SHEET (T E ELECTRICAL)

Roll No	Students Name	DATE-: 02/01/2018		DATE-: 03/01/2018		DATE-: 04/01/2018		DATE-: 05/01/2018		DATE-: 06/01/2018	
		Session-I	Session-II	Session-I	Session-II	Session-I	Session-II	Session-I	Session-II	Session-I	Session-II
51	TIBILE RUSHIKESH DILIP		AB	AB	AB						
52	TIPUGADE SAYALI D										
53	TOPANNAVAR KARTIK M										
54	VARAPE ROHIT GOVIND		AB		AB						
55	WADAR DASHARATH BALU	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
56	WAGHE SURAJ BALASAHEB		AB	AB	AB						
	OTHER Institute Students										
57	Vivek R. Bhadale										
58	Sachin V. Mali				AB						
59	Dhalait Anjum Salim										
60	Patil manali Pradip										
61	Kalel Vishal K										
62	Shikhodekar Sagar S.										
63	Patil Manali P.										
64	Magdum Shrinath Shivaji										
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Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth, Panhala, Tal. Panhala, Dist. Kolhapur - 416 201.
Phone : 02328 - 235241, 235493 Fax : 02328 - 235241 Mobile : 9545451966, 9545453831
Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in / setipanhala@gmail.com
▪ *Approved By AICTE - New Delhi* ▪ *Recognized by Govt. of Maharashtra & DTE* ▪ *Affiliated to Shivaji University, Kolhapur*

DEPARTMENT OF ELECTRICAL ENGINEERING. SETI, PANHALA.

One week workshop on,

"Electrical CAD"

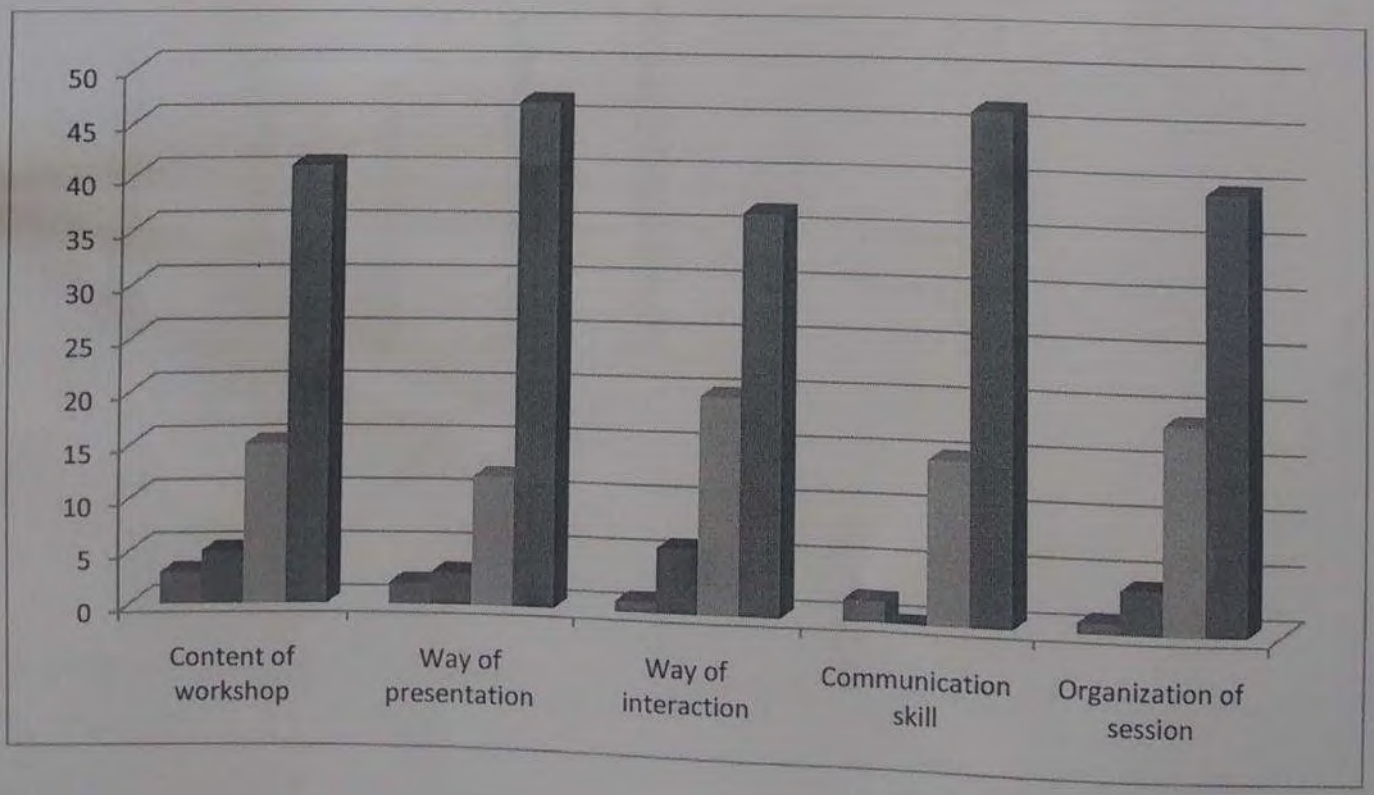
Under lead college activity, Shivaji University. Kolhapur

Feedback Analysis

No. of participant : 64

Note: on the scale of 1 to 4, 4 being highest

Aspectsp	Grades			
	1	2	3	4
Content of workshop	3	5	15	41
Way of presentation	2	3	12	47
Way of interaction	1	6	20	37
Communication skill	2	0	15	47
Organization of session	1	4	19	40
Total	**9**	**18**	**81**	**212**



Holy-wood Academy, Kolhapur's
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▪ Approved By AICTE - New Delhi ▪ Recognized by Govt. of Maharashtra & DTE ▪ Affiliated to Shivaji University, Kolhapur

Department of Electrical Engineering

Date: 06 /01 / 2018

One Week (2nd Jan to 6th Jan, 2018) Workshop on,

"ELECTRICAL CAD",

Under lead college activity

Student Feedback Form

Fe

Instructions: Circle on the numbers (1 to 4 scale, 4 being the highest)

a) Content of the Workshop:	(4)	3	2	1
b) Depth of Knowledge:	(4)	3	2	1
c) Presentation Skills:	(4)	3	2	1
d) Way of Interaction:	4	(3)	2	1
e) Usefulness of the workshop:	(4)	3	2	1
f) Time management:	4	3	(2)	1
Overall rating of the workshop:	4	(3)	2	1

Any other Suggestions:

_____

_____

_____

_____

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE, PANHALA.

Scheme of Shivaji University, Kolhapur

Details of Expenditure incurred for one week workshop-

Sr. No.	Item description	Bill No.	Quantity	Rate	Amount
1	Resource person remuneration	---	1	15000	15000
2	Boucher	560	10	40	400
	Certificates		100	08	800
	Certificates cutting		100	0.2	20
3	Banner	1725	1	480	480
4	Inauguration Material	1203	------	-----	91
5	Tea Cup (Use & Throw)	77	200	0.6	120
6	Tea	1020	700	7	4900
	Nasta		5	100	500
		Total Amount			**22311**

(In words Rs. **Twenty Two Thousand Three Hundred Eleven** only)

Workshop advisor

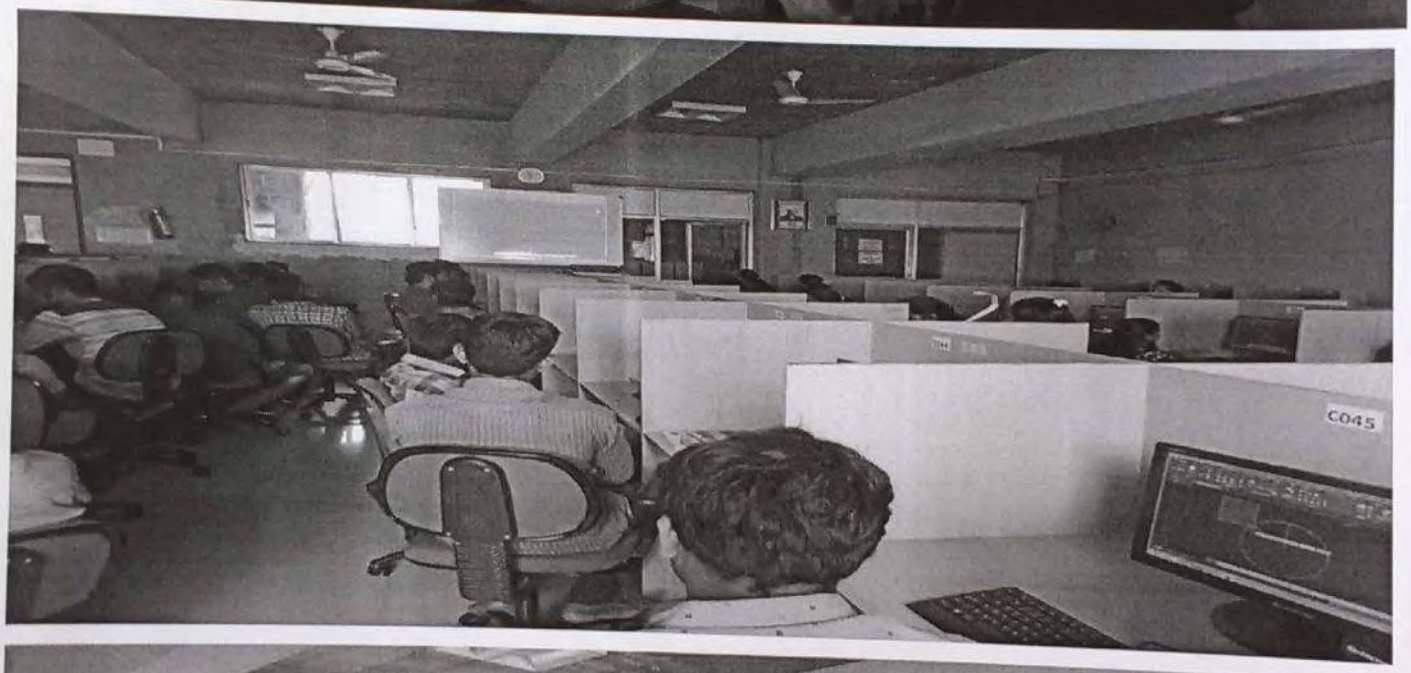
Principal/Director

PRINCIPAL
Sanjeevan Engg. & Tech. Institute
Somwar Peth, Panhala, Dist. Kolhapur. (MS)

SANJEEVAN ENGG. & TECH. INSTITUTE PANHALA

Workshop Session Photo


C014


C045


C061
C062

Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Panhala, Tal. Panhala, Dist. Kolhapur-416201. (M.S.)

Website : www.seti.edu.in Ph. : 0231-2686600

Certificate

DEPARTMENT OF ELECTRICAL ENGINEERING

Under Lead College Activity Shivaji University, Kolhapur

This is to certify that, Mr. / Mrs. / Miss. _____

of _____ *has satisfactorily completed*

One Week Workshop on **"ELECTRICAL CAD"** *dated* 2nd to 6th Jan. 2018 *at Sanjeevan Engineering & Technology Institute, Panhala.*

Prof. A. M.Bhandare	Prof. P. P. Kulkarni	Mr. Sunny Shaha	Dr. U. S. Hampannvar
Workshop Co-ordinator	HOD, Electrical Engg. Dept.	Resource Person	Principal

Date: 06/03/2017

To,
Mr. Irshad Patil
Director
Continual Renewable Energy Pvt. Ltd.

Invi
to

Sub: Invitation for a one day workshop on "Grid Connected Solar Roof Top & Off Grid Projects".

Respected sir,

I would like to take this opportunity to invite you as a resource person for the one day workshop on "Grid Connected Solar Roof Top & off Grid Projects", under the lead college activity, Shivaji University, Kolhapur, which will be conducted on 11/03/2017.

Hope you accept our invitation and do the needful.

Thanking you,

Yours faithfully

11/3/17

Mr.P.P.Kulkarni
(HOD, Electrical Engg.)

Received
Invitation

To,

Date: 06/03/2017

Mr.Sunil Koli
Director
Continual Renewable Energy Pvt. Ltd.

Sub: Invitation for a one day workshop on "Grid Connected Solar Roof Top & Off Grid Projects".

Respected sir,

I would like to take this opportunity to invite you as a resource person for the one day workshop on "Grid Connected Solar Roof Top & off Grid Projects", under the lead college activity, Shivaji University, Kolhapur, which will be conducted on 11/03/2017.

Hope you accept our invitation and do the needful.

Thanking you,

Yours faithfully

11/3/17

Mr.P.P.Kulkarni
(HOD, Electrical Engg.)

Received.

11/3/17.

Date: 11/03/2017

To,
Mr.Sunil Koli
Director
Continual Renewable Energy Pvt. Ltd.

Sub: Thanking Letter.

Thankin
to Spe

Respected sir,

I would like to take this opportunity to express my heartfelt thanks to you for your active involvement in the one day workshop on **"Grid Connected Solar Roof Top & Off Grid Projects".** The chairman and board members have also asked to pass on their sincere appreciation for your efforts in supporting us for our Workshop.

Again, thank you so much for your enthusiastic participation in the Workshop and I hope the same cooperation will be continued in future.

Thanking you,

Yours faithfully

11/3/17

Mr.P.P.Kulkarni
(HOD, Electrical Engg.)

About the Institution

Sanjeevan Engineering and Technology Institute (SETI) is an establishment of Sanjeevan, meets the needs of technology driven modern 21st Century. The Institute is approved by All India Council for Technical Education, New Delhi, recognized by Directorate of Technical Education, Govt. of Maharashtra and affiliated to Shivaji University, Kolhapur.

SETI is long cherished dream of Founder-Chairman Mr. P. R. BHOSALE, an educationalist having experience about two decades. His aim is to impart quality education to the students from nook and corner of the country. Holy-wood Academy, Kolhapur known as Sanjeevan Knowledge City, Panhala, has the wings : Sanjeevan Public School, Sanjeevan Vidyaniketan, Chhatrapati Shivaji Junior College and Sanjeevan Engineering & Technology Institute (SETI).

SETI established in 2009, within shortest period of time, it has evolved into an institution imparting quality in technical education at undergraduate level. It has 6 UG & 2 PG, 2 Diploma departments about 90 talented, experienced and dedicated faculty and over 1500 students and several centers of excellence. SETI has an excellent ambience of library with digital mode and online journals, advanced Core-2 Duo Computer Lab and language lab, WI-FI Campus, modern approach and necessary equipments in laboratories, hospital, gymnasium, swimming pool, and outdoor stadium, bus facility for students and faculty from Kolhapur and 100% concession fees to university toppers and 50% concession fees for class toppers.

About the Department

The Electrical Engineering Department was established in 2010. The department of Electrical Engineering has an intake of 60 students. We proposed Ten well-equipped different laboratories like Electrical Machines, Power System - Control System, Switchgear and Protection, High Voltage etc., Basic Electrical & Electronics, Electrical measurement & Measuring Instrument, etc. These labs additionally conform to not just the University curriculum but also industry requirements. In addition to that many additional extra curriculum activities that are being conducted for the students to give them cut edge knowledge in the fast paced world of Electrical Engineering. And the results are clearly visible. We provide platform for students to prepare for qualifying in competitive exams like GATE, GRE, and TOFEL etc. For last year, many more students of this department have been securing ranks in the list of Shivaji University. A dedicated faculty, who are upgrading themselves, keeping pace with the global progress, drives the department. They have published many research papers at National level. The students too are motivated to present their research papers and projects at State and National level winning prizes. For installing a sense of competence and make the learning more interesting the department has established Electrical Engineering Federal Association (EEFA), ISTE student chapters. The department has its own library with IEEE journals and transactions.

About the Workshop

Workshop is regarding grid connected solar roof top & off grid project which is now a days upcoming trends to overcome the problem of shortage of electricity as well as the problem of huge electricity bills come from supply authorities.

Who should attend

Faculty members from academic Institutes Scientists/Engineers working in Private / Public / Government Organizations / Industries, Research & Development establishments etc. can attend the workshop.

Sanjeevan Engineering & Technology Institute, Panhala

Registration Form

One Day Workshop on Grid Connected Solar Roof Top & Off Grid Projects

11th March 2017

Name :.....

Institution / Organization :.....

.....

Department :.....

Designation :.....

Address for correspondance :

.....

.....

E-mail :.....

Contact No. :.....

Place :

Date :

Signature of Applicant

Seal **Sign. Head of Institution**

CHIEF PATRON

Hon'ble Shri. P. R. BHOSALE
Founder & Chairman, Holy-wood Academy, Kolhapur

PATRON

Hon'ble Shri. N. R. BHOSALE
Joint Secretary, Holy-wood Academy, Kolhapur

CHAIRMAN

Dr. G. V. MULGUND
Principal

ADVISORY COMMITTEE :

Dr. K. Ravi
Director, AMGOI, Vathar

Dr. S. V. Anekar
Principal, TKIET, Warnanagar

Dr. V. A. Raikar
Director, SGI, Atigre

Dr. J. A. Tamboli
Director, NMCE, Peth Naka, Islampur

Prof. A. V. Karvekar
Member Secretary, AMGOI, Vathar

HEAD OF DEPARTMENT :

Prof. P. P. Kulkarni, HOD, Electrical Engg. Dept.

Organizing Committee:

Prof. S. G. Arvindkumar
Lead Co-ordinator, SETI, Mechanical Engg. Dept.

Prof. A. S. Bannenvar, TPO, SETI

Prof. N. S. Jadhav, Workshop Co-ordinator
Electrical Engg. Dept.

Prof. A. M. Bhandare, Workshop Co-coordinator
Electrical Engg. Dept.

Mr. R. A. Ingavale, Director of Phy. Edu., SETI

Prof. Y. R. Naik **Prof. A. P. Redekar**
Prof. P. B. Gurav **Prof. D. R. Selar**
Prof. V. T. Metkari **Prof. Ms. P. G. Bendre**
Prof. Ms. S. M. Patil

RESOURCE PERSONS :

Mr. Sunil Koli
Director
Continual Renewable energy Pvt. Ltd

Registration :

The participants should send the applications (Hard or Scan copy) in the specified format enclosed here to reach the Coordinators via post or e-mail latest by 10th March 2017.

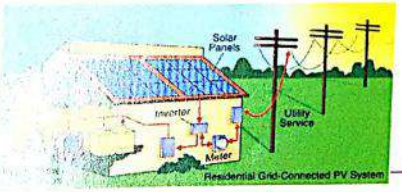
Last date of Registration : 10th March 2017

Important Note : Each Institute is requested to register at least two Faculties from their institute.

Contact for Registration :

Prof. N. S. Jadhav, Electrical Engg. Dept.
Email : nilesh.jadhav@seti.edu.in
Mobile : +91-9146999540 / 9421975403

Prof. P. P. Kulkarni, HOD, Electrical Engg. Dept.
Email : prasad.kulkarni@seti.edu.in
Mobile : +91-9146999573



Holy-wood Academy, Kolhapur's
Sanjeevan Engineering & Technology Institute
Sanjeevan Knowledge City, Panhala,
Tal. Panhala, Dist. Kolhapur-416201. (Maharashtra)
Ph.: 0231-2686655, 2686600 Fax :0231-2686629
Website : www.seti.edu.in

One Day Workshop on
Grid Connected Solar Roof Top & Off Grid Projects

11th March 2017

Under Lead College Activity
Shivaji University, Kolhapur

Organized by

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE
॥ विद्यानां विद्या संजीवनी ॥

Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Panhala,
Tal. Panhala, Dist. Kolhapur-416201. (M.S.)
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Department of Electrical Engineering

Sanjeevan Engineering & Technology Institute, Panhala
Department of Electrical Engineering
One Day Workshop on,
"Grid Connected Solar Roof Top & Off Grid Projects"
Under Lead College Activity Shivaji University, Kolhapur

Workshop Schedule

Sr.No	Topic Name	Resource Person	Timing
1	Grid Connected Solar Roof Top	Mr.Sandeep Jangam	11.00 am to 12.00 noon
2	Net metering systems	Mr.Sunil Koli	12.00 noon to 1.00 pm
Lunch Break			**1.00 pm to 2.15 pm**
3	Various Schemes, Off Grid Projects	Mr.Sunil Koli	2.15 pm to 3.00 pm
4	Case study	Mr.Sandeep Jangam & Mr.Sunil Koli	3.00 pm to 4.00 pm
5	Valedictory & Feedback		4.00 pm to 4.30 pm

Sanjeevan Engineering & Technology Institute, Panhala

Department of Electrical Engineering

One day Workshop on

Grid Connected Solar Roof Top & Off Grid Projects

Date: 11/03/2017

Sr. No	Name of the staff	College Name	Department	Contact No.	Sign
1	P.S. Atigre	SETI,	Mechanical	9146999511	P.S.Atigre
2	A.N. Naik	SETI	Mechanical	9146999504	
3	A. C. Koli	—"—	—"—	9146999513	
4	V.V. Varman	SETI	—"—	9146999508	
5	Deokar Vinayak H.	SETI	—"—	9146 999 50 9	
6.	Mr. Maske Sandip A.	SETI	E&TC	9146999537	
7.	Mr. A.S. Kalkar	SETI	Mech	9146999518	
8.	Mr. M.H. Momin	SETI	Civil	9146999550	
9.	Mrs. A.M. Momin	SETI	Civil	9146999549	
10	Mrs. P.Y. Bhosale	—"—	E&TC	9146999529	
11	Mrs- S.S. Lad	—"—	E&TC	9146999533	
12.	P.V. Mohite	—"—	—"—	9146999535	

Sanjeevan Engineering & Technology Institute, Panhala

Department of Electrical Engineering

One day Workshop on

Grid Connected Solar Roof Top & Off Grid Projects

Date: 11/03/2017

Sr. No	Name of the staff	College Name	Department	Contact No.	Sign
13	Shikalgar P. B.	—SETI—	ETC	9146999536	
~~14~~	S. T. Jadhav.	SETI	ETC	9767100876	
15	A B Chavan	SETI	mech	9765269941	
16	Bhosale Hemantkumar D.	SETI.	Civil	9146999558	
17	Abhijeet Redekar	SETI	Electrical	9146999543	
18.	Aditya Khebudkar	SETI	Civil	9421283933	
~~19~~	Chetan R Dongarsane	SETI	E&TC	9146999530	
20.	Shinde Sagar M.	SETI,	CIVIL	9146999557	
21.	Vikas D. Thorat	SETI	Mechanical	7875704187	
22.	Prasad P. Kulkarni	SETI	Electrical	9146999573	
23	P. B. Gurav	SETI	—"—	9146999574	
24	Nitin. N Revadekar	Diploma	—"—	9146999441	

Sanjeevan Engineering & Technology Institute, Panhala

Department of Electrical Engineering

One day Workshop on

Grid Connected Solar Roof Top & Off Grid Projects

Date: 11/03/2017

Sr. No	Name of the staff	College Name	Department	Contact No.	Sign
25	A.M Solase	SETI Diploma	Elect.	9146999600	
26	Pradip B. Gurav	〃	〃	9146999606	
27	Amit C. Thoke	SETI, Panhala	Civil	9146999547	
28	Jagdish J Gowade	〃	〃	9146999552	
29	Sameer A. Agnihotri	〃	〃	9146999554	
30	Salokhe Eknath P.	〃	〃	9146999555	
31	Shrivallabh S. Charan	〃	〃	9146999546	
32	Deepak R. Shelar	〃	Electrical	9146999544	
33	V. T. Metkari	〃	〃	9146999541	
34	Smita M Patil	〃	〃	9130334555	
35	Pallavi G. Bendre.	〃	〃	9146999575	
36	Sandip A. Mashe	〃	E&TC	9146999537	

Sanjeevan Engineering & Technology Institute, Panhala

Department of Electrical Engineering

One day Workshop on

Grid Connected Solar Roof Top & Off Grid Projects

Date: 11/03/2017

Sr. No	Name of the staff	College Name	Department	Contact No.	Sign
37	Mr. N. B. Karnik	SETI, Panhala	Electrical	9146999675	
38	Mr. S. V. Acharya	〃	〃	9146999673	
39	Mr. K. B. Mahamuni	〃	〃	9527954484	
40	Ms. M. B. Sutar	〃	E&TC	9146999440	
41	Vikas S. Mane	〃	〃	9146999528	
42	S. R. Jadhav	〃	〃	9146999526	
43	Poonam J. Bhosale.	〃	〃	9146999529	
44	Chetan R. Dongarsane	〃	〃	9146999530	
45	P. U. Mohite	〃	〃	9146999535	
46	Naik Y. R.	〃	Electrical	9146999538	
47	Jadhav N. S.	〃	〃	9146999540	

Coordinator Report

We the faculties of electrical engineering department has arranged an one day work shop for teaching & non teaching faculties for all colleges of Kolhapur cluster titled as "Grid Connected Solar Roof Top & off Grid Projects" dated on 11 March 2017. We have got a tremendous response from faculties, almost 60 faculties registered for the same & attended successfully.

Work shop was controlled & conducted by two expertise from Continual, Renewable Energy Pvt. Ltd., one of the leading private company in Solar roof tops project installation. The names & designations of expertise are Mr.Sunil Koli (Director) & Mr.Sandeep Jangam (Director).

Till the date they have installed so many solar roof tops projects all over the Maharashtra. Recently they are installing solar roof tops project in SGI, Atigre for 500 kW capacity.

The major topics covered under workshop,

1) Net metering system which is up going trend in MSEB to reduce the overburden of electricity bills from customer head.
2) Different motivational schemes of government for the promotions of more & more usages towards the solar energy.
3) Detailed procedure regarding an implementation of Net metering system.
4) Case study of already installed solar roof tops project in Kurundwad.

In all the responses & feedbacks from the faculties who have attended the work shop was good & suggested to rearrange the same work shop again for more days so that all the doubt will get clear in detail.

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Phone : 02328 - 235241, 235493 Fax : 02328 - 235241 Mobile : 9545451966, 9545453831
Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in / setipanhala@gmail.com
Approved By AICTE - New Delhi ▪ Recognized by Govt. of Maharashtra & DTE ▪ Affiliated to Shivaji University, Kolhapur

Date: 23 / 03 / 2017

One day workshop on,

"Grid Connected Solar Roof Top & Off Grid Projects"

Under Lead College Activity, Shivaji University, Kolhapur

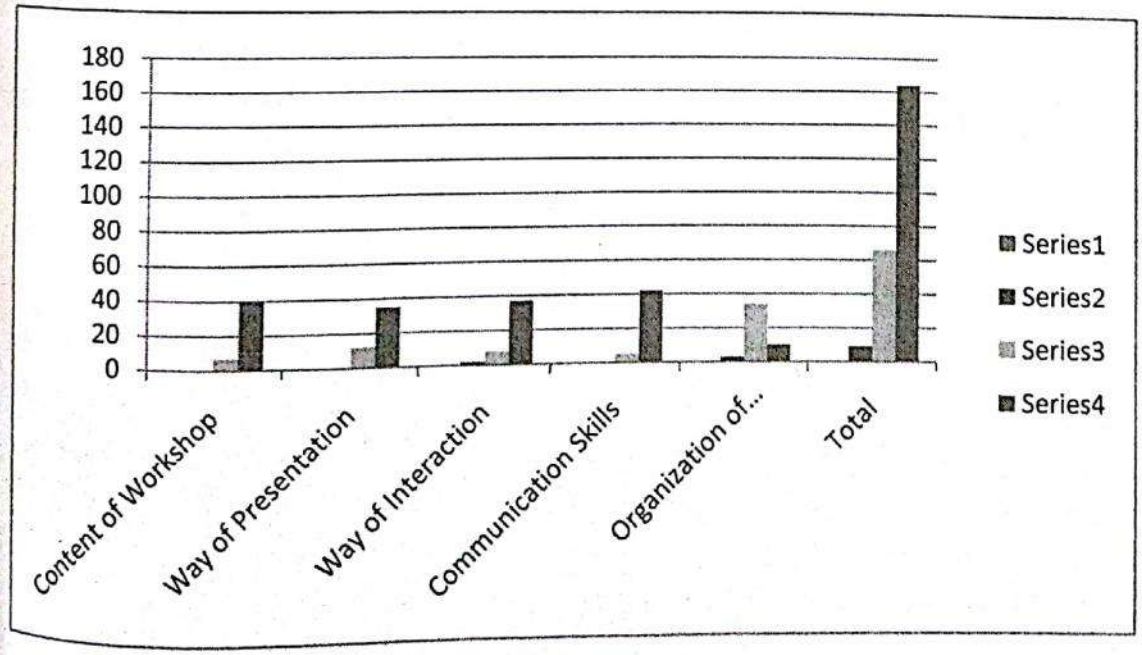
Feedback Analysis

No. of Participant : 47

TECHNICAL ASPECTS

NOTE-: On the scale of 1 to 4 : 4 being highest & 1 being lowest

Aspects	Grades			
	1	2	3	4
Content of Workshop	0	0	7	40
Way of Presentation	0	0	12	35
Way of Interaction	0	2	8	37
Communication Skills	0	0	5	42
Organization of Sessions	0	3	34	10
Total	0	9	66	164



P.P. Kulkarni

Holy Wood Academy, Kolhapur's
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Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in
EN 6315

Date – 22/3/2017

To,
The Principal,
SETI, Panhala

Sub – Bill summary of Programs arranged under Lead College Activity of Shivaji University, Kolhapur during F.Y. 2016-17.

Respected Sir,

I am herewith submitting the bills of program which were organized in our Institute for the financial year 2016-17 under Lead College Activity of Shivaji University, Kolhapur.

Sr. No.	Name of Program	Conduct activity on	Date	No of attendance	Amount
1	Grid Connected Solar Roof Top & off Grid Projects	Teaching Faculty	11 March 2017	60	6030=00

In words **Rs. Six thousand thirty only**

This is for your kind perusal and acceptance.

Also I kindly request you to reimburse the expenses incurred towards organizing the above mentioned programs at the earliest.

Thanking you,

Yours Faithfully

Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Panhala, Tal. Panhala, Dist. Kolhapur-416201. (M.S.)

Website : www.setiadv.in Ph. : 0231-2686600

Certificate

DEPARTMENT OF ELECTRICAL ENGINEERING

Under Lead College Activity Shivaji University, Kolhapur

This is to certify that, Mr. / Mrs. / Miss. _____

of _____ *has satisfactorily completed*

One Day Workshop on **"Grid Connected Solar Roof Top & Off Grid Projects"**

dated 11th March 2017 at Sanjeevan Engineering & Technology Institute, Panhala.

Prof. N. S. Jadhav	**Prof. P. P. Kulkarni**	**Dr. G. V. Mulgund**
Workshop Co-ordinator	HOD, Electrical Engg. Dept.	Principal

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
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Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in **EN 6315**

(5)

Date – 22/3/2017

To,

The Principal,

SETI, Panhala

Sub – Bill summary of Programs arranged under Lead College Activity of Shivaji University, Kolhapur during F.Y. 2016-17.

Respected Sir,

I am herewith submitting the bills of program which were organized in our Institute for the financial year 2016-17 under Lead College Activity of Shivaji University, Kolhapur.

Sr. No.	Name of Program	Conduct activity on	Date	No of attendance	Amount
1	Grid Connected Solar Roof Top & off Grid Projects	Teaching Faculty	11 March 2017	60	6030=00

In words **Rs. Six thousand thirty only**

This is for your kind perusal and acceptance.

Also I kindly request you to reimburse the expenses incurred towards organizing the above mentioned programs at the earliest.

Thanking you,

Yours Faithfully

TEACHING STAFF

Recent trends in PLC, Lab view & IOT"

Date: 7Th December, 2016

To,
Principal,
Sanjeevan Engineering & Technology Institute,
Panhala.

Subject: Regarding Permission for one week Faculty Development Program (FDP) on **"Recent Trends in PLC, LabView And Internet of Things (IoT) "**

Respected Sir,

We, Electronics & Telecommunication Engg dept. & Electrical Engg. dept are planning to arrange one week FDP on **"Recent Trends in PLC, LabView And Internet of Things (IoT)"** dated on 20Th Dec 2016 to 24Th Dec 2016. Tentative participants in FDP will be 50.

The approximate expenditure for the FDP is as follows-

Sr. No.	Particular	Quantity	Amount	Total
1	Guest Remuneration	2	25000/-	25,000/-
2	Tea and breakfast	50	10000/-	10,000/-
3	Miscellaneous	-	2000/-	2000/-
			Total	**37,000/-**

So we kindly request you to permit for the same.

Thanking you.

Cordinator

Prof. Mr.S.N.Shinde

Prof. Mr.A.M.Bhandare

Co-cordinator

Prof. Ms.P.B.Shikalgar

Prof. Mr.D.R.Shelar

Submitted to Hon chairman
for approval & sanction of Rs 15000/-

t the Institution

n Engineering and Technology Institute (SETI) is an ment of Sanjeevan, meets the needs of technology odern 21st Century. The Institute is approved by All ouncil for Technical Education, New Delhi, ed by Directorate of Technical Education, Govt. of ıtra and affiliated to Shivaji University, Kolhapur. n Engineering & Technology

(SETI) is long cherished dream of Founder- n Mr. P. R. BHOSALE, an educationalist having ce about two decades. His aim is to impart quality ı to the students from nook and corner of the country. od Academy, Kolhapur known as Sanjeevan lge City, Panhala, has the wings : Sanjeevan Public Sanjeevan Vidyaniketan, Chhatrapati Shivaji Junior and Sanjeevan Engineering & Technology Institute

ablished in 2009, within shortest period of time, it has into an institution imparting quality in technical n at undergraduate level. It has 6 UG & 2 PG, 2 departments about 96 talented, experienced and d faculty and over 1500 students and several centers ence. SETI has an excellent ambience of library with node and online journals, advanced Core-2 Duo r Lab and language lab, WI-Fi Campus, modern ı and necessary equipments in laboratories, hospital, um, swimming pool, and outdoor stadium, bus or students and faculty from Kolhapur and 100% on fees to university toppers and 50% concession lass toppers.

t the FDP theme

ernet of things is the internetworking of physical vehicles buildings and other items—embedded with ics, software, sensors, actuators, and network ivity that enable these objects to collect and exchange ıe IoT allows objects to be sensed and/or controlled y across existing network infrastructure, creating nities for more direct integration of the physical world mputer-based systems, and resulting in improved cy, accuracy and economic benefit. Each thing is y identifiable through its embedded computing system able to interoperate within the existing Internet ıcture.

rammable logic controller (PLC), is an industrial omputer which has been ruggedised and adapted for trol of manufacturing processes, such as assembly robotic devices, or any activity that requires high reliability control and ease of programming and process fault diagnosis. They have been widely adopted as high-reliability automation controllers suitable for harsh environments. A PLC is an example of a "hard" real-time system since output results must be produced in response to input conditions within a limited time, otherwise unintended operation will result.

Laboratory Virtual Instrument Engineering Workbench (LabVIEW) is a system-design platform and development environment for a visual programming language from National Instruments. Originally released for the Apple Macintosh in 1986, LabVIEW is commonly used for data acquisition, instrument control, and industrial automation on a variety of operating systems (OSs), including Microsoft Windows, various versions of Unix, Linux, and macOS.

Who should attend

Faculty members/research scholars from academic Institutes and Scientists/Engineers working in Private / Public / Government Organizations / Industries, Research & Development establishments etc. can attend the workshop. As the training program is of interdisciplinary in nature, students of disciplines like Electrical, Electronics, etc. are encouraged to participate. This workshop will provide preliminary and advanced knowledge about the use and applications of IoT, PLC & LabVIEW automation.

THE TOPICS TO BE COVERED:

- Study of PLC (Micrologix Series)
- Industrial PLC Programs
- Interfacing with HMI, SCADA &LabVIEW
- Navigating Labview
- Leveraging Structures
- Modularity (SubVIs)
- Acquiring Measurements with Hardware
- Industrial IoT
- Interfacing, Communication
- Gateways Used
- Data Acquisition
- Real Time data Access
- Web Server Application
- Security of Data

Sanjeevan Engineering & Technology Institute, Panhala

Registration Form....

'Recent Trends in PLC, LabVIEW And Internet of Things (IoT)'

24th Dec. to 30th Dec. 2016

Name : .....

Institution / Organization : .....

.....

Department : .....

Designation : .....

Address for correspondance :

.....

.....

E-mail : .....

Contact No. : .....

Details of Registration Fee :

DD No. _____, Amt. Rs. /-

Bank Name _____

Date : _____

Place :

Date :

Signature of Applicant

NOTE : The Applicant Mr. Mrs. _____
Will be permitted to participate in the above Faculty Development Programme by paying Rs. /- in cash or DD in favour of Sanjeevan Engineering & Technology Institute, Panhala

Seal

Sign. Head of Institution

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth, Panhala, Tal. Panhala, Dist. Kolhapur - 416 201.
Phone 0231 - 2686600, 2686613 Fax : 02328 - 22524 Mobile : 9545451986, 9545463831
Website : www.set.edu.in Email : principal@set.edu.in, office@set.edu.in, setpanhala@gmail.com
*Approved By AICTE - New Delhi * Recognized by Govt. of Maharashtra & DTE * Affiliated to Shivaji University, Kolhapur

One week Faculty Development Programme on

"Recent Trends in PLC, LabView and Internet of Things (IoT)"

(26th Dec. to 30th Dec. 2016)

Organized by

Department of Electronics & Telecommunication

&

Department of Electrical Engineering

AGENDA

INAUGURATION CEREMONY

Sr. No.	Contents	Time	
1	Welcome of Guests	10.00-10.05 AM	5 Min
2	Saraswati Pujan	10.05-10.10 AM	5 Min
3	Felicitation	10.10-10.15 AM	5 Min
4	Introduction of Chief-Guest	10.15-10.20 AM	5 Min
5	Speech by Coordinator	10.20-10.25AM	5 Min
6	Speech by Heads of E&TC & Electrical Department	10.25-10.35AM	10 Min
7	Speech by Principal	10.40-10.45 AM	5 Min
8	Speech by Joint-Secretary	10.45-10.50 AM	5 Min
9	Speech by Chairman	10.50-10.55 AM	5 Min
10	Speech by Chief- Guest	10.55-11.00 AM	5 Min
11	Start of Sessions	11.00 AM Onwards	

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA

One Week FDP on

"Recent Trends in PLC, LabVIEW & Internet of Things (IoT)"

(26th-30th December, 2016)

Attendance Sheet

Sr No	Name	26/12/2016 (Day 1)		27/12/2016 (Day 2)		28/12/2016 (Day 3)		29/12/2016 (Day 4)		30/12/2016 (Day 5)	
		Sesⁿ I	Sesⁿ II	Sesⁿ I	Sesⁿ II	Sesⁿ I	Sesⁿ II	Sesⁿ I	Sesⁿ II	Sesⁿ I	Sesⁿ II
1.	MR. D. P. Patil										
2	Prof. P.A. Pawar										
3.	Ms. P. G. Bendre										
4	Ms. S. M. Patil										
5.	Ms. M. B. Sutar.										
6.	Mrs. Poonam Y. Bhosale										
7.	Mr. S. T. Jadhav.										
8	Ms. S. S. Lad										
9	C. M. Gaikwad.										
10	C R Dongarsane										
11)	S. V. Vanmore										
12)	S. A. Mhaske										

Date : 30 /12/ 201(

Holy Wood Academy's,

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE,PANHALA.

Department of Electrical And E & TC

One Week FDP On

"Recent Trends In PLC, LabVIEW & Internet of Things"

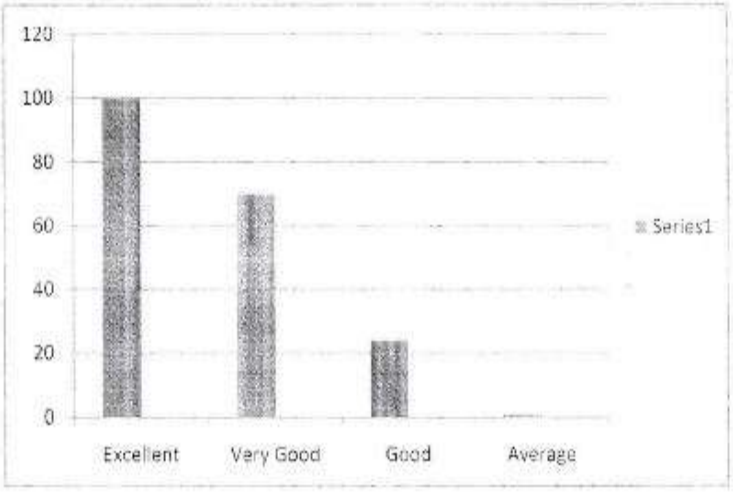
Faculy of Electrical, Electronice & Telecommunication

Academic Year 2016 -2017

FEEDBACK analysis

Instruction : Tick inside the box

Content of Workshop:	Excellent	19	Very Good	8	Good	5	Average	1
Way of Presentation:	Excellent	15	Very Good	13	Good	5	Average	0
Way of Interaction:	Excellent	16	Very Good	13	Good	4	Average	0
Communication Skill:	Excellent	15	Very Good	14	Good	4	Average	0
Organization of Session	Excellent	20	Very Good	11	Good	2	Average	0
Effectiveness of handsOn	Excellent	15	Very Good	13	Good	4	Average	0
total	Excellent	100	Very Good	72	Good	24	Average	1



One week
Faculty Development Programme (FDP)
On

Title of FDP-: "Recent Trends in PLC, LabVIEW & Internet of Things (IoT)"

Duration-: 26th December – 30th December, 2016

Resource Persons-: 1) Mr. Sushant Kerimani, MD SKADA Technology solution Private Limited, Pune.

2) Mr. Amit Amrutkar SKADA Technology solution Private Limited, Pune.

HOD -: Prof. Vikas S. Mane (E&TC) & Prof. Prasad P. Kulkarni (Electrical)

Coordinator-: Prof. Suraj N. Shinde (E&TC) & Prof. Arvind M. Bhandare (Electrical)

FDP Details-:

The Electronics & Telecommunication and Electrical Engineering Department of Sanjeevan Engineering and Technology Institute, Panhala organized a One Week Faculty Development Programme (FDP) on **"Recent Trends In PLC, LabVIEW & Internet of Things"** during 26th December – 30th December, 2016. The Progamme was sponsored by IETE Kolhapur Sub center.

The Programme was inaugurated by the Chief Guest Mr. Sushant Kerimani (MD, SKADA Technology Solution Private Ltd.), Hon'ble Principal of Sanjeevan Engineering and Technology Institute Dr. G. V. Mulgund, Mr. Aditya Akalwar (Sr. Engineer, DELTA Electronics), Mr. Vinod Kadapure (Project Engineer SKADA Technology Solution Private Ltd.), Mr. Amit Amrutkar (Sr. Application Engineer, SKADA Technology Solution Private Ltd.), Prof. Prof. V. S. Mane HOD E&TC, Prof. P. P. Kulkarni HOD Electrical along with all faculty members.

For this FDP around 40 Faculty members were present from various colleges like Sinhgad Collage of Engineering, Solapur, VSM's Institute of Technology Nipani, Karnataka and Ashokrao Mane Group of Institute Vathar (AMGOI). The resource person Mr. Sushant Kerimani delivered the session for two days on PLC, Basics of PLC, PLC hands-on also software based project etc. Another resource person Mr. Amit Amrutkar delivered the session next two days on LabVIEW, Basic of LabVIEW, LabVIEW hands-on also software based etc. And remaining One day Mr. Amit Amrutkar delivered the session on Internet of Things (IoT). This FDP is useful for faculty their research work and carrier development. The entire programme is coordinated by Prof. S. N. Shinde (E&TC Dept.) and Prof. A. M. Bhandare (Electrical Dept.)

Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Panhala, Tal. Panhala, Dist. Kolhapur-416201. (M.S.)
Website : www.seti.edu.in Ph. : 0231-2686613, 0231-2686600

Department of Electronics & Telecommunication & Electrical Engineering

One Week
Faculty Development Programme

'Recent Trends in PLC, LabVIEW and Internet of Things (IoT)'

Certificate

This is to certify that, Mr. / Mrs. / Miss. Gurav Pramod Balu

of SETI, Panhala has attended one week faculty development programme on **"Recent Trends in PLC, LabVIEW and Internet of Things (IoT)"** held on 26th to 30th December 2016.

Prof. S. N. Shinde	Prof. A. M. Bhandare	Prof. V. S. Mane	Prof. P. P. Kulkarni	Dr. G. V. Mulgund
Coordinator	Coordinator	Head, E&TC Engg.	Head, Electrical Engg.	Principal


THE INSTITUTION OF ELECTRONICS AND
TELECOMMUNICATION ENGINEERS

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE PANHALA

Department of Automobile Engineering

Workshop on

General Maintenance Of Two Wheelers

Date - 30/09/2016

Sr. No.	Name of the Student	Group No.	Sign
1	Ranjitsingh B. Gurav	A	
2	Digvijay J. Patil		
3	Shubham Shelake		
4	Shubham Patil		
5	Ajay T. Patil		
6	Shrinath R. Lomate		
7	Prathamesh G. Palkar		
8	Amrendra V. Nalwade		
9	Ketan K. Patil		
10	Akshay R. Dhere.		
11	Gourav V. Ranbhare	B	
12	Vaibhav B. Patil		
13	Sushant K. Salavi		
14	Pranay S. Gadgil		
15	Nilesh S. Powar		
16	Nitin S. Gaikwad		
17	Omkar D. Kore		
18	Suraj B. Khadake		
19	Yunus H. Shaikh		
20	Yogesh M. Somvanshi		
21	Akshay R. Waychal	C	
22	Omkar C. Jagadale		
23	Shubham D. Agale		
24	Mayur Amble		
25	Ashish V. Thoke		
26	Vishwjeet A. Vende		
27	Ajinkya U. Kesarkar		
28	Pranav karnataki		
29	Vinayak Madral		
30	Sourabh Gavali		
31	Ulhas P salunke		
32	Jyoti J. shinde		
33	Akash S. Patil		

	Name of the Student	Group No.	Sign
	Arshand K. Makandar	D	
5	Shubham B. Dawkaee		
36	Shahrukh Aga		
37	Rupesh Chalke		
38	Akshay Patil		
39	Shubham V. Jadhav		
40	Pranav B. Chougale		
41	Sourabh A. Jadhav.	E	
42	Hrushikesh R. kamble		
43	Rohan G. katkar		
44	Abhishek S. Tawade		
45	Omkar B. Patil		
46	Prathamesh P. Yadav		
47	Prasad Patil		
48	Pranil Gaikwad		
49	Dhiraj Jagtap		
50	Amol Khot		
51	Abhishek Bavale	F	
52	Amit Hulji		
53	Rohit Apate		
54	Tushar Bhosale		T.K. Bhosale
55	Siddheshwar shinde		
56	Swapnil B. Patil		
57	Pravin Lavhate		
58	Ephinez A D'souza		
59	Sushant L. Gerav		
60	Rohit Mangale		
61	Avadhut S. Patil	G	
62	Akash Chavan		
63	Akash Patil (SE)		
64	Pramit P		
65	~~Akash Patil (BE)~~ Vinayak Bugale		Mugale.
66	Saroj N.		
67	Suraj Salokhe.		
68	~~Abidali~~ Makandar		Anakandar
69	~~Suraj Shaikh~~ Vaibhav Patil		Patil
70	Narendra G Mule.		

~~Nitesh Shivaji Pawar~~

Desai Yuvraj Desai

Yuvraj Desai

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur- 416 201
Phone : 0231 - 2686623 / 24 / 28 Fax : 0231 - 2686629 Mobile : 9545451966, 9545453831
■ *Approved By AICTE - New Delhi* ■ *Recognized by Govt. of Maharashtra & DTE* ■ *Affiliated to Shivaji University, Kolhapur*
Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in **EN 6315**

Ref. No. : SETI/Auto/Guest lecture/16-17/ 606 Date: 30th Sept 2016

CERTIFICATE

This is to certify that **Prof. V.A. Patankar** of Automobile Engineering Department, New Polytechnic Uchgaon, Kolhapur & member of 'Kolhapur district two wheeler mechanic associations (KD2MA)' has delivered a lecture and conducted practical training sessions on workshop "General Maintenance of Two Wheelers" for Automobile Engineering students on 30th Sept.2016.

The lecture and practical session were very informative and have definitely enhanced the student knowledge. We are verymuch thankful to him for sparing his valuable time guiding the students.

SANJEEVAN ENGG. & TECH. INSTITUTE PANHALA

Yours faithfully,

Principal
(Dr.G.V.Mulgund)

Received
Patankar
30/10/2016.

Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur- 416 201

Phone : 0231 - 2686623 / 24 / 28 Fax : 0231 - 2686629 Mobile : 9545451966, 9545453831

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Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in

EN 6315

Ref.No.: SETI/Auto/Guest Lecture/16-17/

Date: 26/9/2016

To,
Prof. Vaibhav Anil Patankar,
Kolhapur District Two Wheeler Mechanic Association &
Faculty of Automobile Engineering Department,
New Polytechnic Kolhapur.

Subject: Invitation as Resource person for workshop-"Two Wheeler Maintenance"

Dear Sir,

Our Institute is established in 2009 in view to impart engineering education to under graduate students. Automobile engineering and six other courses are run by the institute.

We offer subjects such as Vehicle Dynamics and Vehicle Maintenance for finial year students for which we are conducting a workshop on "Maintenance of Two Wheelers".

We would like to invite you as a resource person to share your knowledge on two wheeler Maintenance and address the final year students on 30/9/2016.

Thanking you,

Your's faithfully,

Principal

(Dr.G.V.Mulgund)

Forwarded for sanction
2016

Received

Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA

Certificate

This is to certify that Mr./Miss..... PRANIL G. GAIKWAD .....

has participated in the workshop "General Maintenance of Two Wheelers" organized by "Automobile Engineering Department (SETI,Panhala)" in association with Kolhapur District Two Wheeler Mechanic Association (KD2MA), Kolhapur. On 30th Sep. 2016

Mr. A. P. Bhosale	Prof. S. L. Ghodake	Dr. G. V. Mulgund	Mr. D. D. Aswale	Mr. V. A. Patankar
Co-Ordinater	H.O.D	Principal	President (KD2MA)	Resource Person (KD2MA)

Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur- 416 201

Phone : 0231 - 2686623 / 24 / 28 Fax : 0231 - 2686629 Mobile : 9545451966, 9545453831

▪ *Approved By AICTE - New Delhi* ▪ *Recognized by Govt. of Maharashtra & DTE* ▪ *Affiliated to Shivaji University, Kolhapur*

RECEIPT

Date : 30/09/2016

Received with thanks from **Principal, Sanjeevan Engineering & Technology Institute, Panhala** the sum of Rupees Four thousand only. By **CASH** towards the Honorarium for Remuneration - Resource person for Workshop "General Maintenance for two wheelers" held on 30/09/2016.

Rs. 4000/-

SIGNATURE

Name : V.A. PATANKAR

Published on seti.org.in website on 1/10/2016.

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE, PANHALA

Department of Automobile Engineering

A report on One Day Workshop on

"GENERAL MAINTENANCE OF TWO WHEELERS"

30TH SEPT., 2016.

Objective: - The objective of the program was to make aware the students of Automobile Engineering about the technology used in two wheelers. More emphasis was given on training the students regarding the general maintenance of common two wheelers. The main objective was to inculcate the practical knowledge of two wheeler maintenance to Automobile Engineering students, with having a projection that the students should be able to carry out the periodic maintenance of at-least their own vehicle and pass on this knowledge to other students too.

Summary : The inauguration was commenced at 10:30 am with the dignitaries and experts as: Mr. V.A.Patankar (Resource person- Professor at New Polytechnic, Kolhapur and member of Kolhapur District Two Wheeler Mechanic Association, Kolhapur), Mr. Prashant Salunkhe (Mechanic,KD2MA), Dr. G.V.Mulgund (Principal, Sanjeevan Engineering and Technology Institute SETI), Prof. Mrs. T.T.Mohite-Patil (Academic Dean, SETI), Prof. S.L.Ghodake (Head of Department, Automobile Engg. Dept., SETI), Prof. A.P.Bhosale (Chief Coordinator & Asst. Prof. in Automobile Engg. Dept.), Prof. M.M.Bepari (Coordinator & Asst. Prof. in Automobile Engg. Dept.).

The main workshop was started after the inauguration and felicitation of the guests. The workshop was in association with "Kolhapur District Two Wheeler Mechanic Association, Kolhapur" with the main aim to impart the practical knowledge about two wheelers maintenance for the students. The Workshop was split into Two sessions. First the common session was conducted in

which common activities such as clutch dismantling-assembly, carburetor tune-up etc where explained and performed which was later follower by practical session which included the practical activities such as Brake, Chain and Clutch settings, engine oil drain and refill etc.

Some of the topics included are: Clutch dismantling-assembly, Carburetor tune-up, factors influencing the mileage of the two wheelers, periodic maintenance points and checklist, safe driving tips, Clutch Setting, Brake setting, Chain tension setting, battery check-up, valve setting, oil drain & refill, RR unit checkup etc.

At last the students were addressed by Prof. A.P.Bhosale and Principal Dr.G.V.Mulgund followed with vote of thanks.

We would like to extend our sincere thanks to Hon. Chairman P.R.Bhosale, Hon. Joint Secretary N.R.Bhosale, Dr. G.V.Mulgund (Principal, Sanjeevan Engineering and Technology Institute SETI), Prof. Mrs. T.T.Mohite-Patil (Academic Dean, SETI), Prof. S.L.Ghodake (Head of Department, Automobile Engg. Dept., SETI) on the behalf of Automobile Department for supporting us and permitting to conduct this workshop.

Date : 30/09/2016

Holy Wood Academy's,

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA.

workshop on

General Maintenance on Two Wheelers

Academic Year 2016 -2017

FEEDBACK FORM

Name of Student - Digvijay J. Patil.

Class - SE

Branch - Auto.

Instruction : Tick inside the box

Content of Workshop:	Excellent	✓	Very Good		Good		Average	
Way of Presentation:	Excellent	✓	Very Good		Good		Average	
Way of Interaction:	Excellent	✓	Very Good		Good		Average	
Communication Skill:	Excellent	✓	Very Good		Good		Average	

Any other Suggestions:

Same workshop should be carried out for four wheeler soon.

Date : 30/09/2016

Holy Wood Academy's,

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA.

workshop on

General Maintenance on Two Wheelers

Academic Year 2016 -2017

FEEDBACK FORM

Name of Student - Hrushikesh Rajaram Kamble

Class - B.E

Branch - Automobile

Instruction : Tick inside the box

Content of Workshop:	Excellent	✓	Very Good		Good		Average	
Way of Presentation:	Excellent	✓	Very Good		Good		Average	
Way of Interaction:	Excellent		Very Good	✓	Good		Average	
Communication Skill:	Excellent		Very Good	✓	Good		Average	

Any other Suggestions:

Please arranged such work shop again in next semister.

CHIEF PATRON
Hon'ble Shri. P. R. BHOSALE
Founder & Chairman, Holy-wood Academy, Kolhapur

PATRON
Hon'ble Shri. N. R. BHOSALE
Joint Secretary, Holy-wood Academy, Kolhapur

CHAIRMAN
Dr. G. V. MULGUND - Principal

CHIEF CONVENOR :
Dr. DURADUNDI S. BADKAR
Dean, R&D & HOD, Mech. Engg. Deptt.

COORDINATOR:
Prof. S. G. Arvindkumar
ISTE & Lead College Activity Incharge

ORGANIZING COMMITTEE :
Prof. Smt. T. T. Mohite - Patil - Academic Incharge
Prof. Ms. M. R. Kandgaonkar -Electrical Engg. Dept.
Prof. S. L. Ghodake - Head, Automobile Engg. Dept.
Prof. V. S. Mane - Head, E&TC Engg. Dept.
Prof. J. B. Metkari - Head, Comp. Sci. & Engg. Dept.
Prof. B. M. Mohite - Head, Civil Engg. Dept.
Prof. S. P. Nangare- Workshop Supdtt.

ADVISORY COMMITTEE

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PVPIT, Budgaon

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Dr. S. M. Sawant
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Engineering and Technology, SUK

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Director
Sanjay Ghodawat Institutes, Atigare

Dr. Sushma S. Kulkarni
Pricipal,
RIT, Sakharale

Dr. S. A. Patil
Secretary,Lead College, SUK
DKTE, Ichalkaranji

JURCE PERSONS :

Dr. C. H. Bhosale
Eminent Scientist, Dept. of Physics, SUK

Dr. G. S. Kulkarni
Deputy Registrar (Civil), SUK

Dr. P. S. Patil
Head Nano Science & Engg. SUK

Prof. N. N. Shinde
UES, Energy services Pvt. Ltd., Kolhapur.

Dr. D. S. BADKAR
Dean, R&D, HOD Mech., SETI, Panhala

Last date of Registration : 20th Jan. 2016

Important Note : Each Institute is requested to register at least two Faculties from their institute.

Registration Fee

Participants from Academics/ R&D/Academic Institutions : **Rs. 300/-**

Special Announcement

Post FDP tours will be organized to nearby places : Jyotiba Temple, Kaneri Math, Kolhapur - Laxmi Temple, Rankala Lake, New Palace and Panhala Fort.

Accommodation

Arrangements for accommodation will be made on request in Institute guest house, hostel. Necessary help will be given by the organizers.

Contact for Registration :

Dr. DURADUNDI S. BADKAR Dean, R&D, HOD Mech.
Email : dtsd16@seti.edu.in, dsbadkar@gmail.com
Mobile : +91-9146999501, +91-9620397797

PROF. S. G. ARVINDKUMAR
ISTE & Lead College Activity Incharge
Email : dtsd16@seti.edu.in
Mobile : +91-9146999502, +91-9421108215

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Ph.: 0231-2686665, 0231-2686600 Fax :0231-2686529
E-mail : gtsd15@seti.edu.in Website : www.seti.edu.in

FACULTY DEVELOPMENT PROGRAMME

ON

GREEN TECHNOLOGY AND SUSTAINABLE DEVELOPMENT

(Under Lead College Activity
Shivaji University, Kolhapur

GTSD 16

28th to 30th January, 2016

Organized by

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Panhala,
Tal. Panhala, Dist. Kolhapur-416201. (M.

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Ph. : 0231-2686665, 0231-2686600
Mobile : +91-9146999501, +91-962039779
Fax : 0231-2686629

Sanjeevan Engineering & Technology Institute, Panhala

Registration Form....

GTSD 16

28th to 30th January, 2016

Name : Prof. S.N. TOPANNAVAR.

Institution / Organization : HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI

Department : MECHANICAL ENGG.

Designation : ASSOCIATE PROFESSOR.

Address for correspondance :

Hirasugar Institute of Technology, (Post) Nidasoshi - 591236

E-mail : sntopannavar@gmail.com

Contact No. : 9480849332

Details of Registration Fee :

DD No. _____, Amt. Rs. _____

Date : _____

Place : NIDASOSHI

Date : 23/01/2016

Signature of Applicant

NOTE : The Applicant Mr. ~~Mr.~~ S.N. Topannavar

Will be permitted to participate in the above Faculty Development Programme by paying Rs. 300/- in cash or DD in favour of Principal SETI, Panhala.

Hirasugar Institute of Technology, NIDASOSHI, PIN-591236, Dist. Belgaum

Dr. N. C. Hiremath
PRINCIPAL
Sign. Head of Institution
Hirasugar Institute of Technology
Nidasoshi - 591 236

refreshing and scintillating natural beauty attract tourists from every nook and corner of the world. Panhala is gifted with unmatched beauty in the world. Its pristine hills, beautiful valleys, eye-catching monuments of bygone era are still untouched, pure and safe. Nature is always at its best, which make tourists visit this place as the mercury level rises up.

About the FDP Theme

Green technology, an eco-friendly clean technology contributes to sustainable development to conserve the natural resources and environment which will meet the demands of the present and future generations. Renewable energy has been identified globally as a key driver to achieve economic growth while ensuring minimal environmental harm. Simultaneously, the current development of green technology and its related policies have enhanced the growth of renewable energy in the country.

Renewable energy has been identified globally as a key driver to achieve economic growth while ensuring minimal environmental harm. Simultaneously, the current development of green technology and its related policies have enhanced the growth of renewable energy in the country.Renewable energy has been identified as the future to power world growth.It has been acknowledged that renewable energy could be a key driver in maintaining the delicate balance of economic development that would be anticipated to grow alongside the exponential rise of the global human population and climate change. Among the various forms of renewable energy of interest are biofuels, biomass, wind, solar, hydroelectricity and geothermal sources. In order to harness the potential of renewable energy into reality, the term 'green technology' has thus been coined.

Sanjeevan Engineering & Technology Institute, Panhala

Registration Form....

GTSD 16

28th to 30th January, 2016

Name : Prof. M.M. SHIVASHIMPI.

Institution / Organization : HiraSugar Institute of Technology, Nidasoshi

Department : Mechanical Engineering

Designation : Asst. Professor

Address for correspondance :

Mechanical Engg. Department, HIT Nidasoshi. Ta/Hukkeri. Dist/Belagavi, Karnataka

E-mail : Shivashimpi@gmail.com

Contact No. : 9742197173

Details of Registration Fee :

DD No. _____, Amt. Rs. _____

Date : _____

Place : Nidasoshi

Date : 19/01/2015

Signature of Applicant

NOTE : The Applicant Mr. ~~Mrs.~~ Prof. M.M. Shivashimpi.

Will be permitted to participate in the above Faculty Development Programme by paying Rs. 300/- in cash or DD in favour of Principal SETI, Panhala.

Hirasugar Institute of Technology, NIDASOSHI, PIN-591236, Dist. Belgaum

Sign. Head of Institution
Hirasugar Institute of Technology
Nidasoshi- 591 236

NIDASOSHI - 591 236

Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Somwar Peth
Injole, Panhala, Dist : Kolhapur, 416201

Faculty Development Programme
ON
GREEN TECHNOLOGY AND SUSTAINABLE DEVELOPMENT

certificate

This is to certify that

Mr. /Mrs. Prof. Gaikwad Chetan M.

worked as Committee Member *of*

a Faculty Development Programme on

" GREEN TECHNOLOGY AND SUSTAINABLE DEVELOPMENT "

Under Lead College Activity, Shivaji University, Kolhapur and in collaboration with Indian Society for Technical Education (ISTE), New Delhi on 28th to 30th Jan. 2016 at Sanjeevan Engineering & Technology Institute, Panhala

Chief Convener
Dr. D. S. Badkar

Chairman
Dr. G. V. Mulgund

THREE DAY FACULTY DEVELOPMENT PROGRAME ON GREEN TECHNOLOGY A SUSTAINABLE DEVELOPMENT (GTSD-16)

Felicitation of Dr. A.N.Chapgaon byJt. Secretary N.R.Bhosale sir

HOLY-WOOD ACADEMY'S

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA

Three Day Workshop on
Green Technology & Sustainable Development (GTSD-16)

Feed Back of Sessions

Name of Participant: _____

Name of Institute: _____

Sr. No	Criteria	Session-I	Session-II	Session-III
1.	Selection of Topic			
2.	Presentation			
3.	Course Material.			
4.	Level of Understanding			
5.	Interaction with participants.			
6.	Overall Rating			

Feed Back of Programme

Sr.No	Particulars	Good	Average	Poor
1.	Theme	✓		
2.	Resource Persons	✓		
3.	Conduction of Programme		✓	
4.	Hospitality	✓		
5.	Food Quality	✓		
6.	Overall Rating	✓		

COMMENTS:

1) Would you like to attend the programme organized by this institute in future :- _____

2) Suggest the programmes to be conducted in future based on your area of interest.

_____

_____

_____

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth, Tajole, Panhala, Tal. Panhala, Dist. Kolhapur
Pin - 416 201 (Maharashtra) Phone : 02344 - 2686600 / 21 Fax : 02344 - 2686629
Approved By AICTE - New Delhi ▪ Recognized by Govt. of Maharashtra & DTE ▪ Affiliated to Shivaji University, Kolhapur
Website : www.sanjeevan.edu.in Email : principal@sanjeevan.edu.in / office@sanjeevan.edu.in
EN 6315

A Faculty Development Programme on

Green Technology & Sustainable Development- GTSD-16

28th to 30th Jan.2016

Income-Expenditure Details

Income		Expenditure	
Particulars	**Amount**	**Particulars**	**Amount**
1. Income from registration	5400 4200	1. Cash paid for GTSD-16 FDP Honorarium to Resource Persons	13500
		2. Ragistration Committee " Expenses	4650
		3. Amount paid for Postage	628
		4. GTSD- 16, Flex banner	350
		5. GTSD- 16 Pooja, Program, & Memento, Snacks, Lunch.	10370
Total	**9600**	**Total**	**29498**
		Net Loss	**19898**

S. G. Ainapure
Co-Ordinator

Chief Convener

Holy-wood Academy, Kolhapur
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth, Taluka Panhala, Tal. Panhala, Dist. Kolhapur
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Expenses of Three Day Workshop on Green Technology and Sustainable Development from 28th Jan to 30th Jan 2016

Sr. No.	Purpose	Party Name	Expenses in Rs.	Remark
1.	ISTE Program Sanction Fee	ISTE	578	Paid by D.D
2.	Inauguration: Honorarium of Chief Guest and Remuneration for Resource persons.	SETI Panhala	13500	Receipt attached
3.	Banner	Trimurti Digital(Banner)	350	Receipt attached
4.	Resource kit	P.G.Gundale & Sons.	4000	Receipt attached
		Nitin Traders	250	Receipt attached
5.	Breakfast of Resource person and participants on 28/01/2016	Valsun Resorts Pvt. Ltd.	750	Receipt attached
6.	Lunch for participants on 28/01/2016	Valsun Resorts Pvt. Ltd.	3000	Receipt attached
7.	Breakfast of Resource person and participants on 29/01/2016	Valsun Resorts Pvt. Ltd.	1250	Receipt attached
8.	Lunch for participants on 29/01/2016	Valsun Resorts Pvt. Ltd.	5000	Receipt attached
9.	Certificates for Participants.	Jotirling Grapfics.	400	Receipt attached
10.	Courierr charges	Tej Couriers	50	Receipt attached
11.	Memento for chief guest	Laxmi Frame works	120	Receipt attached
12.	Flowers and Garland	Sairaj Flower Mart	250	Receipt attached
		Total	29498	

S. G. Ai-14
Co-Ordinator

Chief Convener

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE

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EN 6315

Ref No: SETI/ 2016/ 188

Date:29/03/2016

To

The Chairman,

Lead College,

D.K.T.E'S Textile and Engg. Institute,

Ichalkaranji.

Subject: Expenditure details of "Green Technology and Sustainable Development (GTSD-16)" under Lead College Activity.

Dear Sir,

Greetings and Good wishes.

We have pleasure to inform you that the Faculty Development Programme "Green Technology and Sustainable Development (GTSD-16)" under lead college activity was successfully held at our Institute. The details of FDP and expenses for the same are attached here with. We now request you to kindly approve the same and recommended the bill at earliest.

Thanking You,

Yours Truly,

Dr. D.S.Badkar.
Convenor
GTSD-16

Dr.G.V.Mulgund.
Principal

Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur

Pin- 416 201. (Maharashtra) Phone : 0231 - 2686600, 21 Fax : 0231 - 2686629

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Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in **EN 6315**

Ref. No. : SETI/LEAD/2014/ 275

Date : 26/03/2014

To,
The Chairman,
Lead College,
DKTE, Ichalkaranji.

Subject : Proposal for Project Competition under Lead College Concept

Dear Sir,

Greeting and Good wishes!

We have pleasure in accepting your proposal to organize the project presentation contest under lead college activity at our Institute. The details of project competition and approximate expenses for the same are attached herewith. We now request you to kindly approve the budget.

Thanking You,

Yours truly,

Dr. Vikram S. Patil
Principal

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur
Pin- 416 201. (Maharashtra) Phone : 0231 - 2686600, 21 Fax : 0231 - 2686629
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Website : www.seti.edu.in **Email** : principal@seti.edu.in / office@seti.edu.in **EN 6315**

To,
The Head of Departments
SETI,Panhala

Subject : Lead college project competition 2013-14

Dear Sir,

We are pleased to inform you that a project competition is being organized by SETI, Panhala under the lead college concept on 5th April, 2014. As per the discussion in the lead college meeting, each college under the lead college will send two teams only from your department. The registration form is attached herewith. The maximum participants per project group is two. The prizes for each branches are as follows:

1st Prize : Rs. 3000/-
2nd Prize : Rs. 2000/-

You are requested to select the two best projects from each department and send their registration form duly filled on or before 23rd March, 2014.

Thanking You,

Yours Trully,

Coordinator
(Prof. Deshmukh Sardar B.)

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

LEAD COLLEGE PROJECT COMPETITION 2013-14

UNDER SHIVAJI UNIVERSITY

Certificate

This is to certify that Mr. / Ms. _____

of _____

has participated in the LEAD COLLEGE PROJECT COMPETITION under the

_____ department.

Co-ordinator	Co-ordinator	Chairman	Principal
Project Competition	Lead College Committee	Lead College Committee	SETI, Panhala

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

LEAD COLLEGE PROJECT COMPETITION 2013-14

UNDER SHIVAJI UNIVERSITY

Certificate

This is to certify that Mr. / Ms. _____

of _____

has won the _____ prize in the LEAD COLLEGE PROJECT COMPETITION under the _____ department.

Co-ordinator Project Competition	Co-ordinator Lead College Committee	Chairman Lead College Committee	Principal SETI, Panhala

DKTE
Promoting Excellence in Teaching, Learning & Research

DATTAJIRAO KADAM TECHNICAL EDUCATION SOCIETY'S
TEXTILE & ENGINEERING INSTITUTE, ICHALKARANJI
Approved by AICTE, New Delhi
Recognised by Govt. of Maharashtra, Affiliated to Shivaji University, Kolhapur
ISO 9001 : 2008 CERTIFIED ORGANISATION

Ref No: DKTE/Lead college/2014-15/02

Date: 16/04/2014

To,
The Principal,
Sanjeevan Engineering & Technology- Institute,
Somwar Peth,

Panhala- 416201

Ref No: SETI/LEAD/2014/250 on dated 26/03/2014.

SUB: Release of payment against the Lead College Project Competition.

Dear Sir,

With reference to above captioned subject, we are releasing the payment of Rs.83,690/- by cheque no.11657 dated 16/04/2014 against the event of project competition which you have conducted under lead college. Kindly acknowledge the cheque of the same amount.

Thanking you,

Yours faithfully,

Dr. S.A. Patil
Co-ordinator
Lead College Cluster

Dr. P.V. Kadole
Chairman
Lead College Cluster

Encl : cheque no.11657 dated 16/04/2014

इचलकरंजी शाखा, कोल्हापुर - 416115
ICHALKARANJI BRANCH KOLHAPUR - 416115
IFSC:CBIN0282570

सभी शाखाओं पर देय PAYABLE AT ALL BRANCHES

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PAYEE'S A/C ONLY

Pay Sanjeevan Engineering & Technology Institute या धारक को Or Bearer

Rupees Eighty Three Thousand Six Hundred Ninety Only.

अदा करें। ₹ 83,690=00

खाता सं. A/c No. 00000003297654894

DKTE LEAD COLLEGE CLUSTER - ICH,

CO-ORDINATOR. PRINCIPAL.

For DKTE LEAD COLLEGE CLUSTER ICH

कृपया हस्ताक्षर ऊपर करें /Please sign above

D. S. SAVANT & SONS, MUMBAI / CTS - 2010
केवल तीन माह के लिये वैध VALID FOR THREE MONTHS ONLY

"011657" 416016201: 000895" 31

Holy-wood Academy, Kolhapur's
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Website : www.seti.edu.in **Email :** principal@seti.edu.in / office@seti.edu.in **EN 6315**

Report of Lead college Project competition 2013-14

The project competition for final year engineering students was held under lead college concept. The competition was organized by Sanjeevan Engineering & Technology Institute, Panhala on 5th April, 2014. Students participated enthusiastically in the competition. Total seventy nine projects of eleven branches of Engineering & Technology participated in the competition. The details of the same are as below:

Sr. No.	Branch	Number of Projects
1.	Mechanical Engineering	13
2.	Production	02
3.	Automobile	02
4.	Computer Science & Engineering	14
5.	Textile	10
6.	Information Technology	04
7.	Electronics Engineering	08
8.	Electronics and Telecommunications Engineering	10
9.	Civil Engineering	10
10	Electrical	04
11.	Chemical	02

The competition was inaugurated at the hands of Shri. P. R. Bhosale, Chairman, Sanjeevan Knowledge City, Panhala. The valedictory function was arranged at the hands of Dr. Vikram S. Patil, Principal SETI, Panhala. The competition was a great success as per the feedback received from the students.

Encl: Photographs of function.

Prof. Deshmukh Sardar B.
Co-ordinator
Lear college project competition

Dr. Vikram S. Patil
Principal
SETI, Panhala

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur
Pin- 416 201. (Maharashtra) Phone : 0231 - 2686600, 21 Fax : 0231 - 2686629
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Website : www.seti.edu.in **Email :** principal@seti.edu.in / office@seti.edu.in **EN 6315**

Ref. No. : SETI/LEAD/2014/

Date: 09/04/2014

To,
The Chairman,
Lead College,
DKTE, Ichalkaranji.

Subject: Expenditure details of Project Competition under Lead College Concept

Dear Sir,

Greeting and Good wishes!

We have pleasure to inform you that the project presentation contest under lead college activity was successfully held at our Institute on 5th April 2014. The details of project competition and expenses for the same are attached herewith. We now request you to kindly approve the same & recommence the bills at earliest.

Thanking You,

Yours Truly,

Dr. Vikram S. Patil
Principal

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth - Injole, Panhala, Tal. Panhala, Dist. Kolhapur
Pin- 416 201. (Maharashtra) Phone: 0231-2686623/24/25/27 Fax: 0231-2686629
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Website : www.seti.edu.in E-mail : principal@seti.edu.in / office@seti.edu.in

EN 6315

Details of Expenditure: Project Competition Under Lead College Concept 2013-14

Sr. No.	Item	Quantity	Rate	Cost (Rs.)
01.	Lunch for Participants, Organizers, Judges and Guest	300	100.00	30,000.00
02.	Judges Remuneration	07	2,000.00	14,000.00
03.	Mineral Water for Guest & Judges	11	20.00	220.00
04.	Prizes for Winners: (17 Grops) 1st Prize:10 Groups x 1500.00 2nd Prize:07 Groups x 1000.00	-	-	22,000.00
05.	Mementoes for Winners & Judges	-	-	8,660.00
06.	Certificates for Participants & Winners	180	10	1,800.00
07.	Stationary	-	-	265.00
08.	Flex & Pasting Tubes	-	-	990.00
09.	Sarswati Poojan, Coconut &Stage Decoration	-	-	5755.00
Total				**83,690.00**

Total Expenses: Rs. 83,690.00 (Eighty Three Thousands Six Hundred Ninety) Only.

Dr. Vikram S. Patil
Principal


Holy-Wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Somwar Peth, Panhala, Dist. Kolhapur
Shivaji University, Kolhapur
LEAD COLLEGE PROJECT
COMPETITION 2014


Shivaji University, Kolhap
LEAD COLLEGE PR
COMPETITION 2


LEAD COLLEGE PROJECT
COMPETITION 2014

Holy-wood Academy, Kolhapur
Sanjeevan Engineering and Technology Institute,
Sanjeevan Knowledge City, Panhala, Tal. Panhala, Dist. Kolhapur

Entrepreneurship Development Cell

EDC Formation

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur Pin- 416 201 (MS.)
Phone : Dept.: 0231 - 2686613, PBX : 0231 - 2686600,Fax : 0231 - 2686629
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Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in

EN 6315

Date: 02nd January, 2016

CIRCULAR

Formation of Entrepreneurship Development Cell (EDC) 2016-17

This is for information of all concerned that ED Cell is formed for A.Y.2016-17. The members of the same are listed below. All the said members are instructed work with immediate effect.

Sr. No.	Members	Department
1	Asst. Prof. Patil Akshta A.	Mechanical Dept.
2	Asst. Prof. Vikram Patil	Basic Sciences & Humanities
3	Asst. Prof. Y. D. Gavali	CSE Dept.
4	Asst. Prof. C. R. Dongarsane	E&TC Dept.
5	Asst. Prof. P. A. Pandav	Automobile Dept.
6	Asst. Prof. Ms. P. G. Bendre	Electrical Dept.
7	Asst. Prof. S. A. Agnihotri	Civil Dept.

PRINCIPAL

EDC Report

Sanjeevan Engineering & Technology Institute, Panhala

A Program on "Overseas Education & Opportunities"
Under EDC Activity

Title of Seminar	:	**"Overseas Education & Opportunities"**
Duration	:	22nd February, 2018.
Resource Persons	:	Mr. Nishant Dule, Mr. Onil Pratap
Convenor	:	Prof. C. R. Dongarsane
Co-ordinator	:	All departmental EDC co-ordinators

Programme details:

Entrepreneurship Development Cell (EDC) organized a Program on **"Overseas Education & Opportunities"** on 22nd February, 2018 at Sanjeevan Engineering & Technology Institute, Panhala.

The chief guest and Resource person for the course was Mr. Nishant Dule – Regional Sales & Marketing Co-ordinator, EduCo, Pune, Mr. Onil Pratap-Local Representative, Overseas Education, Sangli.

For this Program 65 students from all Departments were present from our college.

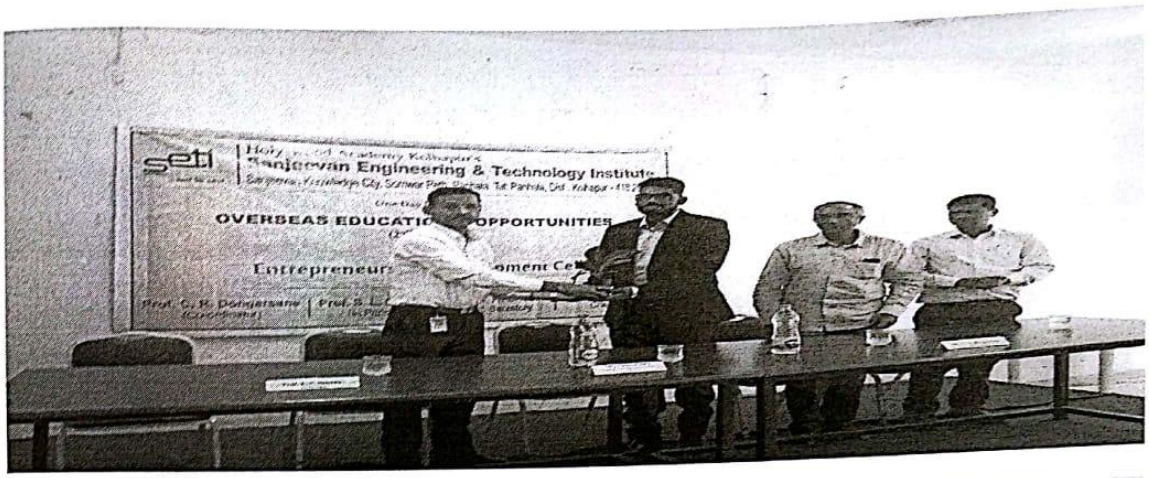
Our Resource person Mr. Nishant Dule delivered the session on Education beyond boundaries which focuses on information about Detailed procedure , Universities available, Academics required, Learning with earning, Entrance exams needed , All documentation required for overseas education is explained.

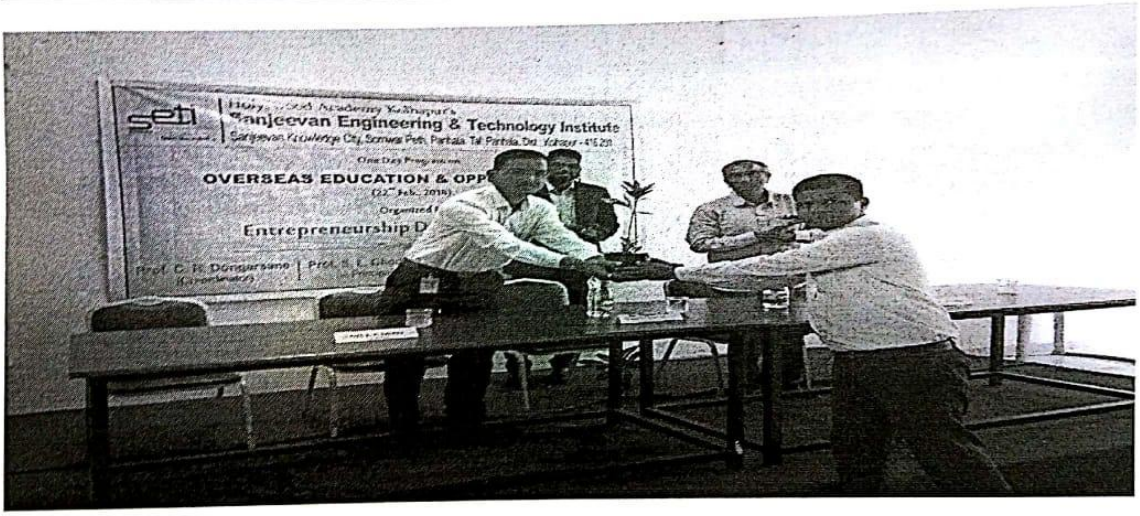
Local representative Mr. Onil Pratap explained about the financial requirement for the foreign studies and Banking support available for the same.

Students of EDC cell learned the session enthusiastically and with keen interest. This programme will be useful for students as a first stage on the path of global education. This Program will be beneficial to the students to improve their graph of education internationally. The program was co-ordinated by Prof. S. S.

Shinde(Civil), Prof. R. U. Urunkar (Mech) , Prof. Vikram Patil (GSH), Prof. Mrs.Pallavi Bendre(Electrical)and Prof. Nishant Patil(Auto).

The vote of thanks expressed by EDC Incharge & Convener Prof. C. R. Dongarsane





SETI Industry Meet 2017

Udyami 2016

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur
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Report of Entrepreneurship Awareness Camp (Udyami-16)

Entrepreneurship Awareness Camp for third and final year engineering students was held under lead college concept. The same was organized by Sanjeevan Engineering & Technology Institute, Panhala from 2nd – 6th February 2016. The students participated enthusiastically in the camp. Total 219 students from different institutes and various branches of engineering & technology were participated in the competition. The details of the same are as below:

Sr. No.	Institute Name	Number of participants
1.	T.K.I.E.T. Warananagar	11
2.	D. Y. Patil College of Engineering, Talasande	10
3.	D. Y. Patil College of Engineering, Kolhapur	8
4.	Genesis College of Engineering, Kasarwadi	5
5.	S.E.T.I. Panhala	185

The competition was inaugurated at the hands of Mr. Ravi Dolli, MD, Mayura Steels Pvt. Ltd. Kolhapur in presence of Shri. P. R. Bhosale, Chairman, Holy-wood Academy, Panhala. Various eminent personalities from industries were invited as resource person. The valedictory function was arranged at the hands of Mr. Prasanna Deshingkar, Trainer, FinQ,Kolhapur and Dr. G. V. Mulgund, Principal SETI, Panhala. The five days camp was a great success as per the feedback received from the participants.

Patil

Prof. Patil Akshata A.
Convenor
Udyami '16

HOD
Mechnical Engineering
Sanjeevan Engg. & Tc ...itute
Somwar Peth, Panhala, Di..... ...ur.

PATRON

on'ble Shri. P. R. BHOSALE
ounder & Chairman, Holy-wood Academy, Kolhapur

ON

on'ble Shri. N. R. BHOSALE
int Secretary, Holy-wood Academy, Kolhapur

RMAN

r. G. V. MULGUND - Principal

OF DEPARTMENTS :

rof. V. S. Mane
OD, E & TC Engg. Dept.

rof. P. P. Kulkarni
OD, Electrical Engg. Dept.

DINATOR :

rof. S. N. Shinde
& TC Engg. Dept.

rof. A. M. Bhandare
lectrical Engg. Dept.

OORDINATOR:

rof. D. R. Shelar
lectrical Engg. Dept.

rof. Ms. P. B. Shikalgar
& TC Engg. Dept.

URCE PERSON :

Ir. Sushant Kerimani, MD
kada Technology, Pune

Ir. Amit Amrutkar
kada Technology, Pune

Registration :

The participants should send the applications (Hard and Scan copy) in the specified format (enclosed here to reach the Coordinators via post or e-mail latest 19th Dec. 2016.

Last date of Registration : 19th Dec. 2016

Important Note : Each Institute is requested to register at least two Faculties from their institute.

Registration Fee

Students	**: 500/-**
Research Scholar/ Academic Institutions	**: 800/-**
Industry Person	**: 1000/-**

Accommodation

Arrangements for accommodation will be made on request in hostel. Necessary help will be given by the organizers.

Contact for Registration :

Prof. S. N. Shinde, E & TC Dept.
Email : siliconlife9@gmail.com
Mobile : +91-7798082969

Prof. A. M. Bhandare, Electrical Dept.
Email : arvind.bhandare@seti.edu.in
Mobile : +91-9146999539 / 9421174233

Holy-wood Academy, Kolhapur's
Sanjeevan Engineering & Technology Institute
Sanjeevan Knowledge City, Panhala,
Tal. Panhala, Dist. Kolhapur-416201. (Maharashtra)
Ph.: 0231-2686613/52, 2686600 Fax :0231-2686629
Website : www.seti.edu.in

FACULTY DEVELOPMENT PROGRAMME

On

'Recent Trends in PLC, LabVIEW And Internet of Things (IoT)'

Sponsored by

The Institution of Electronics & Telecommunication Engineers

SKADA

26th Dec. to 30th Dec. 2016

Organized by

seti
SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE
since : 2009
Excellence Through Education

Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Panhala,
Tal. Panhala, Dist. Kolhapur-416201. (M.S.)

Department of Electronics & Telecomm. Engg.
&
Department of Electrical Engineering

Website : www.seti.edu.in
Ph. : 0231-2686665, 0231-2686600

IETE chapter events

About the Institution

Sanjeevan Engineering and Technology Institute (SETI) is an establishment of Sanjeevan, meets the needs of technology driven modern 21st Century. The Institute is approved by All India Council for Technical Education, New Delhi, recognized by Directorate of Technical Education, Govt. of Maharashtra and affiliated to Shivaji University, Kolhapur. Sanjeevan Engineering & Technology

Institute (SETI) is long cherished dream of Founder-Chairman Mr. P. R. BHOSALE, an educationalist having experience about two decades. His aim is to impart quality education to the students from nook and corner of the country. Holy-wood Academy, Kolhapur known as Sanjeevan Knowledge City, Panhala, has the wings : Sanjeevan Public School, Sanjeevan Vidyaniketan, Chhatrapati Shivaji Junior College and Sanjeevan Engineering & Technology Institute (SETI).

SETI established in 2009, within shortest period of time, it has evolved into an institution imparting quality in technical education at undergraduate level. It has 6 UG & 2 PG, 2 Diploma departments about 96 talented, experienced and dedicated faculty and over 1500 students and several centers of excellence. SETI has an excellent ambience of library with digital mode and online journals, advanced Core-2 Duo Computer Lab and language lab, WI-Fi Campus, modern approach and necessary equipments in laboratories, hospital, gymnasium, swimming pool, and outdoor stadium, bus facility for students and faculty from Kolhapur and 100% concession fees to university toppers and 50% concession fees for class toppers.

About the FDP theme

The Internet of things is the internetworking of physical devices, vehicles buildings and other items—embedded with electronics, software, sensors, actuators, and network connectivity that enable these objects to collect and exchange data. The IoT allows objects to be sensed and/or controlled remotely across existing network infrastructure, creating opportunities for more direct integration of the physical world into computer-based systems, and resulting in improved efficiency, accuracy and economic benefit. Each thing is uniquely identifiable through its embedded computing system but is able to interoperate within the existing Internet infrastructure.

A programmable logic controller (PLC), is an industrial digital computer which has been ruggedised and adapted for the control of manufacturing processes, such as assembly lines, or robotic devices, or any activity that requires high reliability control and ease of programming and process fault diagnosis.They have been widely adopted as high-reliability automation controllers suitable for harsh environments. A PLC is an example of a "hard" real-time system since output results must be produced in response to input conditions within a limited time, otherwise unintended operation will result.

Laboratory Virtual Instrument Engineering Workbench (LabVIEW) is a system-design platform and development environment for a visual programming language from National Instruments. Originally released for the Apple Macintosh in 1986, LabVIEW is commonly used for data acquisition, instrument control, and industrial automation on a variety of operating systems (OSs), including Microsoft Windows, various versions of Unix, Linux, and macOS.

Who should attend

Faculty members/research scholars from academic Institutes and Scientists/Engineers working in Private / Public / Government Organizations / Industries, Research & Development establishments etc. can attend the workshop. As the training program is of interdisciplinary in nature, students of disciplines like Electrical, Electronics, etc. are encouraged to participate. This workshop will provide preliminary and advanced knowledge about the use and applications of IoT, PLC & LabVIEW automation.

THE TOPICS TO BE COVERED:

- Study of PLC (Micrologix Series)
- Industrial PLC Programs
- Interfacing with HMI, SCADA &LabVIEW
- Navigating Labview
- Leveraging Structures
- Modularity (SubVIs)
- Acquiring Measurements with Hardware
- Industrial IoT
- Interfacing, Communication
- Gateways Used
- Data Acquisition
- Real Time data Access
- Web Server Application
- Security of Data

Sanjeevan Engineering & Technology Institute, Panhala

Registration Form....

'Recent Trends in PLC, LabVIEW And Internet of Things (IoT)'

24th Dec. to 30th Dec. 2016

Name : .....

Institution / Organization : .....

.....

Department : .....

Designation : .....

Address for correspondance :

.....

.....

E-mail : .....

Contact No. : .....

Details of Registration Fee :

DD No. _____, Amt. Rs. /-

Bank Name _____

Date : _____

Place :

Date :

Signature of Applicant

NOTE : The Applicant Mr. Mrs. _____
Will be permitted to participate in the above Faculty Development Programme by paying Rs. /- in cash or DD in favour of Sanjeevan Engineering & Technology Institute, Panhala

Seal **Sign. Head of Institution**

Date: 7Th December, 2016

To,

Principal,

Sanjeevan Engineering & Technology Institute,

Panhala.

Subject: Regarding Permission for one week Faculty Development Program (FDP) on **"Recent Trends in PLC, LabView And Internet of Things (IoT) "**

Respected Sir,

We, Electronics & Telecommunication Engg dept. & Electrical Engg. dept are planning to arrange one week FDP on **"Recent Trends in PLC, LabView And Internet of Things (IoT)"** dated on 20Th Dec 2016 to 24Th Dec 2016. Tentative participants in FDP will be 50.

The approximate expenditure for the FDP is as follows-

Sr. No.	Particular	Quantity	Amount	Total
1	Guest Remuneration	2	25000/-	25,000/-
2	Tea and breakfast	50	10000/-	10,000/-
3	Miscellaneous	-	2000/-	2000/-
			Total	**37,000/-**

So we kindly request you to permit for the same.

Thanking you.

Cordinator

Prof. Mr.S.N.Shinde

Prof. Mr.A.M.Bhandare

Co-cordinator

Prof. Ms.P.B.Shikalgar

Prof. Mr.D.R.Shelar

Submitted to Hon chairman
for approval & sanction of Rs 15000/-

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth, Panhala, Tal. Panhala, Dist. Kolhapur - 416 201.
Phone 0231 - 2686600, 2686613 Fax : 02328 - 235241 Mobile : 9545451966, 9545453831
Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in / setipanhala@gmail.com
Approved By AICTE - New Delhi • Recognized by Govt. of Manarashtra & DTE • Affiliated to Shivaji University, Kolhapur

One week Faculty Development Programme on

"Recent Trends in PLC, LabView and Internet of Things (IoT)"

(26th Dec. to 30th Dec. 2016)

Organized by

Department of Electronics & Telecommunication

&

Department of Electrical Engineering

AGENDA

INAUGURATION CEREMONY

Sr. No.	Contents	Time	
1	Welcome of Guests	10.00-10.05 AM	5 Min
2	Saraswati Pujan	10.05-10.10 AM	5 Min
3	Felicitation	10.10-10.15 AM	5 Min
4	Introduction of Chief-Guest	10.15-10.20 AM	5 Min
5	Speech by Coordinator	10.20-10.25AM	5 Min
6	Speech by Heads of E&TC & Electrical Department	10.25-10.35AM	10 Min
7	Speech by Principal	10.40-10.45 AM	5 Min
8	Speech by Joint-Secretary	10.45-10.50 AM	5 Min
9	Speech by Chairman	10.50-10.55 AM	5 Min
10	Speech by Chief- Guest	10.55-11.00 AM	5 Min
11	Start of Sessions	11.00 AM Onwards	

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA

One Week FDP on

"Recent Trends in PLC, LabVIEW & Internet of Things (IoT)"

(26th-30th December, 2016)

Faculty Registration Form

Sr. No.	Name	Phone No.	Mail ID	College/Industry	Amount	Sign
1.	Mr. Digambar P. Patil	9595954262	digambarpatil2009@gmail.com	AMGOI, Vathar	800/-	
2	Mr. Mettari Vishal T.	9146999541	Vishal.mettari@gmail.com	seti, Panhala	-	
3.	Mr. Jadhav N.S.	9146999540	nilesh.jadhav@seti.edu.in	-11-	-	
4.	Mr. S.T. Jadhav.	9146999526	shahad.jadhav@seti.edu.in	-11-	-	
5	Mr. P.S. Atigre	9146999511	pravinatigre2487@gmail	-11-	-	P.S. Atigre
6.	Ms. P.Y. Bhosale	9146999529	poonam.bhosale@seti.edu.in	-11-	-	Bhosale
7.	Mrs. S.S. Lad	9146999533	sneha.lad@seti.edu.in	-11-	-	
8.	Ms. Manisha B. Sutar	7350439488	manisha.sutar@seti.edu.in	-11-	-	
9.	Mr. Abhijeet Redekar	~~9778~~ 9146999543	abhijeet.redekar@seti.edu.in	-11-	-	
10.	ms. Bendre Pallavi G.	9146999575	Pallavi.bendre@seti.edu.in	-11-	-	
11	Ms. Smita. M. Patil	9130334555	mpsmita@gmail.com	-11-	-	
12	Mr. P.A. Pawar	9850746774	pawar.parmanand@gmail.com	NBN sinhgad college of Engg, solapur	800/-	Paid

Sr. No.	Name	Phone No.	Mail ID	College/Industry	Amount	Sign
13.	Jwapril V. Vanmore	8007879852	jwapril.vanmore@seti.edu.in	SETI		
14	Chetan P Dongaksare	9881583153	chetandongarsare@gmail.com	SETI		
15	S.A. Maske	9146999537	sandipmaske@seti.edu.in	SETI		
16	P.B. Gurav	9146999574	pramod.gurav@setiedu.in	SETI		
17	A.M. Solase	9146999600	solaseamol@gmail.com	SETI, Pachl.		
18	C.M. Gaikwad	7276404014	chetan.Gaikwad@seti.edu.in	— " —		
19.	Shikalgar P.B.	9146999536	Parvin.shikalgar@seti.edu.in	— " —		
20	M.G. Ganachari	8904879471	mgganachari@rediffmail.com	VSMIT Nipani	800/-	
21.	Prashant M. Ganji	9035530223	ganjiprashant@gmail.com	VSMIT, Nipani	800/-	
22.	Shelar D.R.	9146999548	mr.deepshelar@gmail	SETI	-	
23.	Bhandare A.M.	9146999539	amrendr.bhandare@seti.edu.in	SETI	—	
24	Kulkarni P.P.					
25.	Shinde S.N.					
26.	Mane V.S.					

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA

One Week FDP on

"Recent Trends in PLC, LabVIEW & Internet of Things (IoT)"

(26th-30th December, 2016)

Attendance Sheet

Sr No	Name	26/12/2016 (Day 1)		27/12/2016 (Day 2)		28/12/2016 (Day 3)		29/12/2016 (Day 4)		30/12/2016 (Day 5)	
		Sesn I	Sesn II	Sesn I	Sesn II	Sesn I	Sesn II	Sesn I	Sesn II	Sesn I	Sesn II
1.	Mr. D. P. Patil										
2	Prof. P.A. Pawar										
3.	Ms. P. G. Bendre										
4	Ms. S. M. Patil										
5.	Ms. M. B. Sutar.										
6.	Mrs. Poonam Y. Bhosale										
7.	Mr. S. T. Jadhav.										
8	Ms. S. S. Lad										
9	C. M. Gaikwad.										
10	C R Dongarsane										
11)	S. V. Vanmore										
12)	S. A. Mhaske										

Sr. No	Name	26/12/2016 (Day 1)		27/12/2016 (Day 2)		28/12/2016 (Day 3)		29/12/2016 (Day 4)		30/12/2016 (Day 5)	
		Sesⁿ I	Sesⁿ II	Sesⁿ I	Sesⁿ II	Sesⁿ I	Sesⁿ II	Sesⁿ I	Sesⁿ II	Sesⁿ I	Sesⁿ II
13.	Shikalgar P.B.										
14	Redekar A.P										
15	M.G. Kanakhari										
16	Prashant Kanji										
17	A.M. Solase										
18	A.M. Bhendare										
19	D.R. Shelar										
20	C R Dongarsane										
21	Naik Yogesh R										
22	[illegible]										
22	S.H. Shinde										
23	V.S. Mane.										
24	T.V Suryawanshi										
25	V.T. Mekkusi										
26.	P.P. Kulkarni										
27	N.S. Jadhav										
28	P.B Gurav										

Date : 30 /12/ 2016

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

Excellence Through Education

Holy Wood Academy's,

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE,PANHALA.

Department of Electrical And E & TC

One Week FDP On

"Recent Trends In PLC, LabVIEW & Internet of Things"

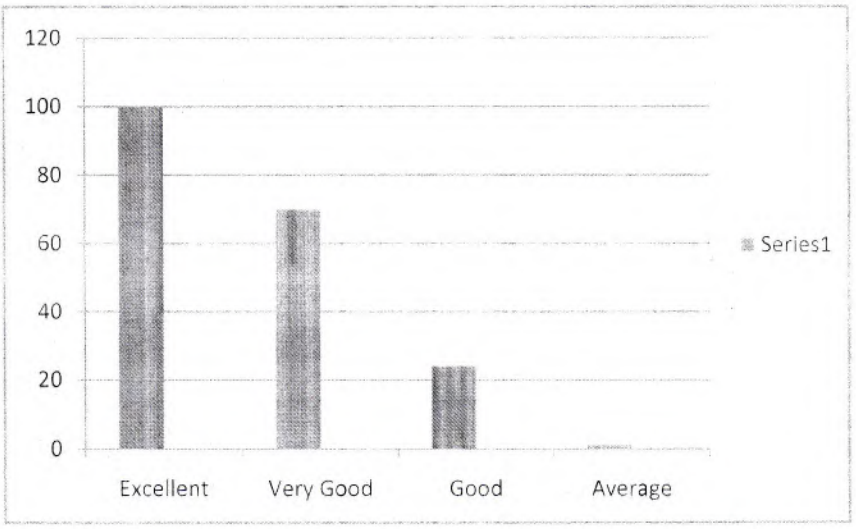
Faculy of Electrical, Electronice & Telecommunication

Academic Year 2016 -2017

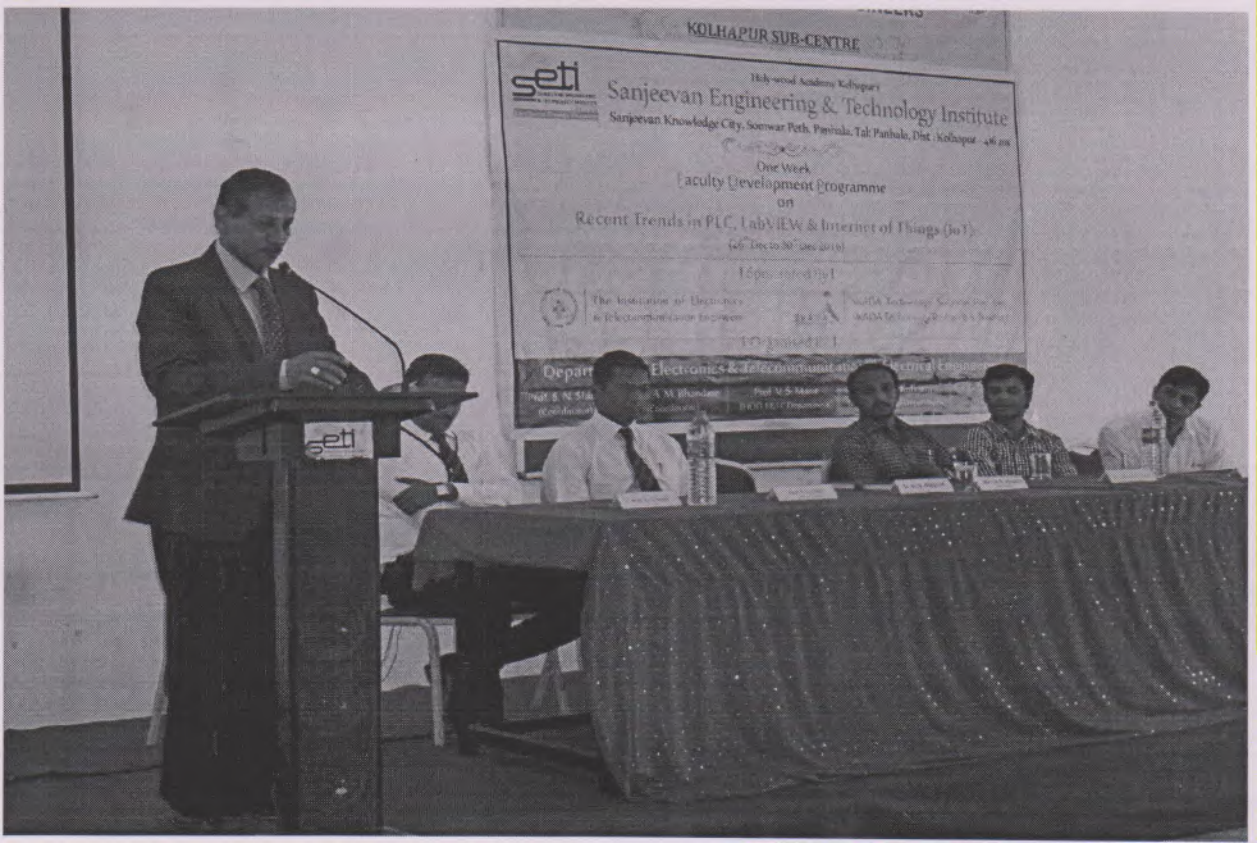
FEEDBACK analysis

Instruction : Tick inside the box

Content of Workshop:	Excellent	19	Very Good	8	Good	5	Average	1
Way of Presentation:	Excellent	15	Very Good	13	Good	5	Average	0
Way of Interaction:	Excellent	16	Very Good	13	Good	4	Average	0
Communication Skill:	Excellent	15	Very Good	14	Good	4	Average	0
Organization of Session	Excellent	20	Very Good	11	Good	2	Average	0
Effectiveness of handsOn	Excellent	15	Very Good	13	Good	4	Average	0
total	Excellent	100	Very Good	72	Good	24	Average	1




THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS
KOLHAPUR SUB-CENTRE
seti
Sanjeevan Engineering & Technology Institute
Faculty Development Programme
seti


KOLHAPUR SUB-CENTRE
seti
Sanjeevan Engineering & Technology Institute
Sanjeevan Knowledge City, Somwar Peth, Panvala, Tal: Panhala, Dist : Kolhapur
One Week
Faculty Development Programme
on
Recent Trends in PLC, LabVIEW & Internet of Things (IoT)
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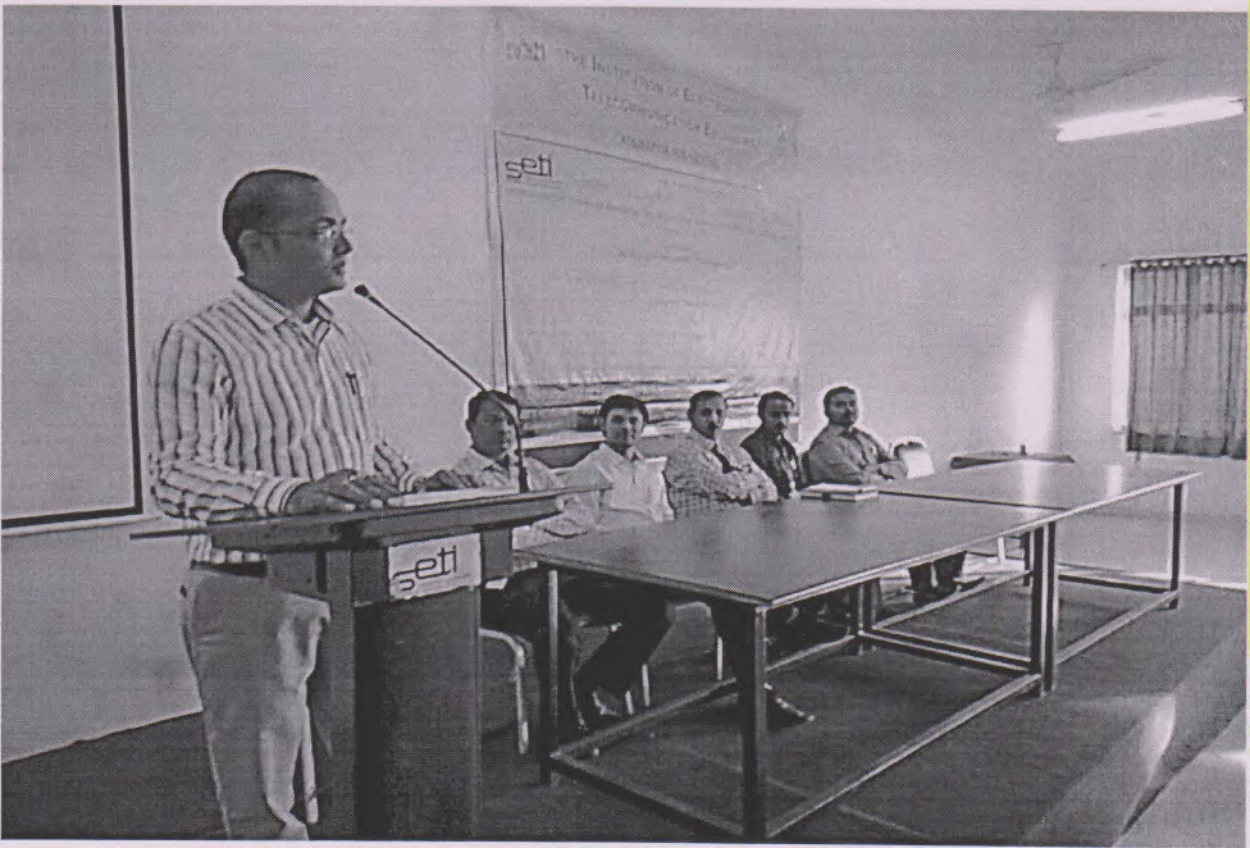
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TELECOMMUNICATION
KOLHAPUR SUB-CENTRE
Sanjeevan Engineering & Technology Institute
Sanjeevan Knowledge City, Somwar Peth, Panhala, Tal: Panhala, Dist : Kolhapur- 416 201
One Week
Faculty Development Programme
on
Recent Trends in PLC, LabVIEW
of Things (IoT)
Department of Electronics &
Prof. S.N. Shinde
Prof. V.S.

Date: 01.01.2017

To
The Principal
SETI, Panhala.

Subject: Budget for 1 week FDP on PLC, LabVIEW & IoT.

Respected Sir,

As per subject mentioned above the E&Tc and Electrical department has organized 1 week FDP on PLC, LabVIEW & IoT. We are happy to inform you that workshop has been successfully completed on date 30th December 2016.

The details of the budget are as follows.

Sr. No.	Particulars	Amount (Rs.)
1	Honorarium	20,000.00
2	Resource Accommodation	3,250.00
3	Certificate, Flex, Pamphlet, Stickers, Cutting	1,820.00
4	Break Fast & Tea	3,500.00
5	Miscellaneous	330.00
	Total	**29,000.00**

Kindly consider the same and do the needful.

Yours Faithfully

FDP Coordinators
Department of E&TC and Electrical Engineering

One week
Faculty Development Programme (FDP)
On

Title of FDP-: "Recent Trends in PLC, LabVIEW & Internet of Things (IoT)"

Duration-: 26th December – 30th December, 2016

Resource Persons-: 1) Mr. Sushant Kerimani, MD SKADA Technology solution Private Limited, Pune.

2) Mr. Amit Amrutkar SKADA Technology solution Private Limited, Pune.

HOD -: Prof. Vikas S. Mane (E&TC) & Prof. Prasad P. Kulkarni (Electrical)

Coordinator-: Prof. Suraj N. Shinde (E&TC) & Prof. Arvind M. Bhandare (Electrical)

FDP Details-:

The Electronics & Telecommunication and Electrical Engineering Department of Sanjeevan Engineering and Technology Institute, Panhala organized a One Week Faculty Development Programme (FDP) on **"Recent Trends In PLC, LabVIEW & Internet of Things"** during 26th December – 30th December, 2016. The Progamme was sponsored by IETE Kolhapur Sub center.

The Programme was inaugurated by the Chief Guest Mr. Sushant Kerimani (MD, SKADA Technology Solution Private Ltd.), Hon'ble Principal of Sanjeevan Engineering and Technology Institute Dr. G. V. Mulgund, Mr. Aditya Akalwar (Sr. Engineer, DELTA Electronics), Mr. Vinod Kadapure (Project Engineer SKADA Technology Solution Private Ltd.), Mr. Amit Amrutkar (Sr. Application Engineer, SKADA Technology Solution Private Ltd.), Prof. Prof. V. S. Mane HOD E&TC, Prof. P. P. Kulkarni HOD Electrical along with all faculty members.

For this FDP around 40 Faculty members were present from various colleges like Sinhgad Collage of Engineering, Solapur, VSM's Institute of Technology Nipani, Karnataka and Ashokrao Mane Group of Institute Vathar (AMGOI). The resource person Mr. Sushant Kerimani delivered the session for two days on PLC, Basics of PLC, PLC hands-on also software based project etc. Another resource person Mr. Amit Amrutkar delivered the session next two days on LabVIEW, Basic of LabVIEW, LabVIEW hands-on also software based etc. And remaining One day Mr. Amit Amrutkar delivered the session on Internet of Things (IoT). This FDP is useful for faculty their research work and carrier development. The entire programme is coordinated by Prof. S. N. Shinde (E&TC Dept.) and Prof. A. M. Bhandare (Electrical Dept.)

IETE Sponsored One Week Faculty Development Programme

Title of FDP: Applications In Engineering Based On MATLAB

Duration: Dec. 21st to Dec. 25th, 2015

Resource Person: Prof.Mushtak Y. Gadkari, HOD (IT Dept.), Rajendra Mane College of Engineering & Technology (Ambav), Ratnagiri.

HOD: Prof. Vikas S. Mane (E&TC) and Prof. Manisha R. Kandgaonkar (Electrical)

Coordinators: Prof. Poonam Y. Bhosale (E&TC) & Prof. Abhijeet P. Redekar (Elect)

FDP Details:

The department of Electrical and Electronics & Telecommunication of IETE Kolhapur Sub-centre organized IETE sponsored One week Faculty Development Programme on **"Applications In Engineering Based On MATLAB"** during 21st to 25th December, 2015 at Sanjeevan Engineering and Technology Institute, Panhala. The chief guest and resource person for the FDP was Prof. Mushtak Y. Gadkari, RMCET (Ambav), Ratnagiri.

For this FDP ~~at~~ around 35 faculty members were present from various colleges like Bharati Vidyapeeth's College of Engineering, Kolhapur, Nanasaheb Mahadik College of Engineering, Peth-Naka, DKTE, Ichalkaranji and SETI, Panhala. This event was Inaugurated by Dr. G. V. Mulgund, Principal SETI, Panhala, Academic Dean Mrs. T. T. Mohite-Patil, Prof. Vikas S. Mane HOD E&TC and Prof. Manisha R. Kadgaonkar HOD Electrical. Resource person Prof. Mushtak Y. Gadkari delivered the sessions for five days on Basics of MATLAB, Control Systems, Filter Design, Image Processing, GUI and Simulink etc. This FDP will be useful for faculty for their research work and carrier development. This FDP was co-ordinated by Prof. Poonam Y. Bhosale and Prof. Abhijeet P. Redekar.

Sanjeevan Engineering & Technology Institute, Panhala

Date: 15/12/2015

To,

The Principal,

Sanjeevan Engg. & Tech. Institute, Diploma.

Panhala.

The Electrical & E&TC departments are organizing a IETE Sponsored One week FDP **on "Applications in Engineering Based on MATLAB"** from 21st to 25th Dec 2015. We require your presence for the inauguration ceremony on 21st at 9:30 AM at seminar hall. Resource Persons-**Mr. Mushtak Gadkari, HOD IT Department RMCET Ambav, Ratnagiri.**

Kindly permit your staff to participate FDP workshop.

Mr. V. S Mane

H.O.D. ETC

Mrs. M.R. Kandgaonkar

H.O.D. Electrical

Sanjeevan Engineering & Technology Institute, Panhala

Date: 15/12/2015

To,

The Principal,

Sanjeevan Engg. & Tech. Institute, Diploma.

Panhala.

The Electrical & E&TC departments are organizing a IETE Sponsored One week FDP **on "Applications in Engineering Based on MATLAB"** from 21st to 25th Dec 2015. We require your presence for the inauguration ceremony on 21st at 9:30 AM at seminar hall. Resource Persons-**Mr. Mushtak Gadkari, HOD IT Department RMCET Ambav, Ratnagiri.**

Kindly permit your staff to participate FDP workshop.

Mr. V. S Mane

H.O.D. ETC

Mrs. M.R. Kandgaonkar

H.O.D. Electrical

Date: 7th Dec. 2015.

To,

The Principal,

Sanjeevan Engg. & Tech. Institute,

Panhala.

Subject: Budget for 3DayWorkshop on MATLAB.

Respected Sir,

As per subject mentioned above the Electrical & E&TC are organizing a 3 Day Workshop on MATLAB. We are inviting Dr.D.S.Aldar, K.B.P.,Satara as the resource person. We are planning to schedule this Workshop from 21st to 23rd Dec. 2015.

The details of the budget are as follows,

Sr. No.	Particulars	Qty	Amount (Rs.)
1	Honorarium	3 Days	6,000.00
2	Breakfast & tea	40	3600.00
3	Lunch	40	9600.00
4	Workshop Kit (Notepad, Pen, File Folder)	40	1200.00
5	Certificates	40	500.00
6	Flex	1	500.00
7	Brochure	20	200.00
7	Miscellaneous		2000.00
		Total	**23,600.00**

Approved

Yours Faithfully,

mr. V.S. Mane.

P.P. Kelkanni

CHIEF PATRON

Hon'ble Shri. P. R. BHOSALE
Founder & Chairman, Holy-wood Academy, Kolhapur

PATRON

Hon'ble Shri. N. R. BHOSALE
Joint Secretary, Holy-wood Academy, Kolhapur

CHAIRMAN

Dr. G. V. MULGUND - **Principal**

HEAD OF DEPARTMENTS :

Prof. Ms. M. R. Kandgaonkar
HOD, Electrical Engg. Dept.

Prof. V. S. Mane
HOD, E & TC Engg. Dept.

COORDINATOR :

Prof. Ms. P. Y. Bhosale
E & TC Engg. Dept.

Prof. A. P. Redekar
Electrical Engg. Dept.

CO-COORDINATOR:

Prof. V. S. Bhandare
Electrical Engg. Dept.

Prof. C. M. Gaikwad
E & TC Engg. Dept.

RESOURCE PERSON :

Prof. Mushtak Gadkari
Associate Professor, HOD, IT Dept.
Rajendra Mane College of Engg. & Tech.,
Ambav - Ratnagiri.

Registration :

The participants should send the applications (Hard and Scan copy) in the specified format (enclosed here to reach the Coordinators via post or e-mail latest 17th Dec. 2015.

Last date of Registration : 17th Dec. 2015

Important Note : Each Institute is requested to register at least two Faculties from their institute.

Registration Fee

Participants from Academics/ R&D/Academic Institutions : Rs. 800/-

Accommodation

Arrangements for accommodation will be made on request in hostel. Necessary help will be given by the organizers.

Contact for Registration :

Prof. Ms. P. Y. Bhosale, E & TC Dept.
Email : poonam.bhosale@seti.edu.in
Mobile : +91-9146999529 / 9765396990

Prof. A. P. Redekar, Electrical Dept.
Email : abhijeet.redekar@seti.edu.in
Mobile : +91-9146999543 / 9764891818

Holy-wood Academy, Kolhapur's
Sanjeevan Engineering & Technology Institute
Sanjeevan Knowledge City, Panhala,
Tal. Panhala, Dist. Kolhapur-416201. (Maharashtra)
Ph.: 0231-2686665, 0231-2686600 Fax :0231-2686629
Website : www.seti.edu.in

Sponsored by
The Institution of Electronics & Telecommunication Engineers

Shivaji University, Kolhapur

21th to 25th December, 2015

Organized by

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SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Panhala,
Tal. Panhala, Dist. Kolhapur-416201. (M.S.)

Department of Electrical Engineering
&
Department of Electronics & Telecomm. Engg.

Website : www.seti.edu.in
Ph. : 0231-2686665, 0231-2686600

About the Institution

Sanjeevan Engineering and Technology Institute (SETI) is an establishment of Sanjeevan, meets the needs of technology driven modern 21st Century. The Institute is approved by All India Council for Technical Education, New Delhi, recognized by Directorate of Technical Education, Govt. of Maharashtra and affiliated to Shivaji University, Kolhapur. Sanjeevan Engineering & Technology Institute (SETI) is long cherished dream of Founder-Chairman Mr. P. R. BHOSALE, an educationalist having experience about two decades. His aim is to impart quality education to the students from nook and corner of the country.

Holy-wood Academy, Kolhapur known as Sanjeevan Knowledge City, Panhala, has the wings : Sanjeevan Public School, Sanjeevan Vidyaniketan, Chhatrapati Shivaji Junior College and Sanjeevan Engineering & Technology Institute (SETI).

SETI established in 2009, within shortest period of time, it has evolved into an institution imparting quality in technical education at undergraduate level. It has 6 UG & 2 PG, 2 Diploma departments about 96 talented, experienced and dedicated faculty and over 1500 students and several centers of excellence. SETI has an excellent ambience of library with digital mode and online journals, advanced Core-2 Duo Computer Lab and language lab, WI-Fi Campus, modern approach and necessary equipments in laboratories, hospital, gymnasium, swimming pool, and outdoor stadium, bus facility for students and faculty from Kolhapur and 100% concession fees to university toppers and 50% concession fees for class toppers.

About the FDP theme

Now a days programming knowledge has become very essential for engineering professionals as well as scientists and researchers to develop simulation models, performing analysis, optimization & decision making. Knowledge of using modeling packages like AutoCAD, Pro/E, SolidWorks, CATIA, MS-Excel etc. is not sufficient. Engineering professionals, scientists and researchers are also expected to know, how to control the package by programming and customizing it as per the requirement. Many times data exchange between different software packages has become necessity to utilize expertize of different software packages and requires a neutral software tool like MATLAB/SCILAB to take the input from software, perform computations and output the results to another software package. MATLAB and SCILAB are excellent tools for visualization and manipulation of engineering data as well as performing various engineering computations. Software modules can also be developed using GUI of MATLAB. It also provides various tool boxes to perform specialized computations. The workshop information brochure can be downloaded from www.seti.edu.in

Who should attend

Faculty members/research scholars from academic Institutes and Scientists/Engineers working in Private/Public/Government Organizations/Industries, Research & Development establishments etc. can attend the workshop. As the training program is of interdisciplinary in nature, students of disciplines like Electrical, Electronics, etc. are encouraged to participate. This workshop will provide preliminary and advanced knowledge about the use and application of MATLAB with real time problems and their solutions in terms of programs. Workshop is designed to give fluency in MATLAB programming, including introduction to popular toolboxes. All sessions are designed in such a way so that participants of different discipline and with or without prior knowledge of MATLAB Programming can use MATLAB effectively.

Course contents and methodology

It is hands-on experience oriented programming skill development program with exhaustive application specific programming exercises. Course will be beneficial to beginners of MATLAB as well as practitioners of different domain. Teaching methodology will be adopted in such a manner so that all can cope up even those who do not possess any prior knowledge of programming. Case studies of advanced application of MATLAB will be presented Course content will cover basic introduction to MATLAB, use of various commands, logical operators, functions, arrays, loops etc. printing, plotting visualization using MATLAB, data input/output in various format, generating executable files and stand-alone applications, building Graphical user interface (GUI) etc., with exhaustive sample programs and exercises.

THE TOPICS TO BE COVERED:

- MATLAB Basics
- Signals and systems
- Filter Design
- Power Systems
- Control Systems
- Power Electronics and Drives (Rectifier, Inverter & Chopper circuits, AC & DC Machine Modelling)
- Renewable energy (Modelling of wind farm)

Sanjeevan Engineering & Technology Institute, Panhala

Registration Form....

APPLICATIONS IN ENGINEERING BASED ON MATLAB

21th to 25th December, 2015

Name : .....

Institution / Organization : .....

.....

Department : .....

Designation : .....

Address for correspondance :

.....

.....

E-mail : .....

Contact No. : .....

Details of Registration Fee :

DD No. _____, Amt. Rs. 800/-

Bank Name _____

Date : _____

Place :

Date :

Signature of Applicant

NOTE : The Applicant Mr. Mrs. _____
Will be permitted to participate in the above Faculty Development Programme by paying Rs. 800/- in cash or DD in favour of Sanjeevan Engineering & Technology Institute, Panhala

Seal

Sign. Head of Institution

IETE Sponsored one week FDP
on
"Applications in Engineering based on MATLAB"
21st to 25th December 2015

Schedule for Sessions

Date/Time		Session I		TEA	Session II	LUNCH	Session III	TEA	Session IV
	9.00 - 9.30	9.30-10.30	10.30-11.15		11.30 - 1.30		2.15-3.30		3.45-5.00
21/12/2015	Registration and Breakfast Tea	**Inauguration**	Basic Features of MATLAB		MATLAB Operators		Mathematical Functions		Matrix Operations
22/12/2015	Breakfast and Tea	Plotting			Control Flow		MATLAB User Defined Functions		Graphical User Interface (GUI)
23/12/2015	Breakfast and Tea	Graphical User Interface (GUI)			Control System		Control System		Signals and systems
24/12/2015	Breakfast and Tea	Signals and systems			Image Processing		Simulink		Simulink
25/12/2015	Breakfast and Tea	Simulink			Power Electronics		Renewable Energy		**Valedictory**

Holywood Academy's

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE , PANHALA

One Week FDP on

"Application in Engineering Based on MATLAB"

21th to 25th December 2015

Faculty Registration Form

Sr. No.	Name	Phone No.	Mail ID	College / Industry	Amount	Sign
1.	Mr. V. S. Mane	7387917318	vikas.mane@seti.edu.in	SETI Panhala	800/-	
2.	Mr. S. V. Vanmore	8007879862	swapnil.vanmore@seti.edu.in	SETI -"-	800/-	
3.	Miss. P. Y. Bhosale	9146999529	poonam.bhosale@seti.edu.in	SETI -"-	800/-	
4.	Miss. S. S. Lad	9146999533	sneha.lad@seti.edu.in	SETI -"-	800/-	
5.	Mr. C. M. Gaikwad	7276404014	chetan.Gaikwad@seti.edu.in	SETI -"-	800/-	
6.	Mr. C. R. Dongarsane	9881563153	chetandongarsane@gmail.com	SETI -"-	800/-	
7.	Mr. S. N. Shinde	7798082969	Suraj.shinde@seti.edu.in	SETI -"-	800/-	
8.	Mr. S. P. Patil	9270052622	shripad.patil@seti.edu.in	-"-	800/-	
9.	Miss. P. V. Mohite	9423742384	Prajkta.mohite@seti.edu.in	-"-	800/-	
10.	Miss. P. B. Shikalgar	9146999536	Pravin.shikalgar@seti.edu.in	-"-	800/-	
11.	Mr. S. A. Maske	9146999537	sandipmaske@seti.edu.in	-"-	800/-	
12.	Mrs. M. R. Kandgaonkar	9270165061	manisha.kandgonkar@seti.edu.in	-"-	800/-	
13.	Mr. P. P. Kulkarni	7769042033	prasad.kulkarni@seti.edu.in	-"-	800/-	
14.	Mr. P. B. Gurav	9146995774	pramod.gurav@seti.edu.in	-"-	800/-	
15.	Mr. N. S. Jadhav	9146999540	nilesh.jadhav@seti.edu.in	-"-	800/-	
16.	Mr. A. M. Bhandare	9421174233	arvind.bhandare@seti.edu.in	-"-	800/-	
17.	Mr. V. T. Metkari	9146999541	vishal.metkari@seti.edu.in	-"-	800/-	
18.	Mr. Y. R. Naik	9960460914	yogesh.naik@seti.edu.in	-"-	800/-	
19.	Mr. P. R. Padghan	9766925901		-"-	800/-	
20.	Mr. A. P. Redekar	9146999543	abhijeet.redekar@seti.edu.in	-"-	800/-	
21.	Miss. P. G. Bendre	9146999525	pallavi.bendre@seti.edu.in	-"-	800/-	

Holywood Academy's

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE , PANHALA

One Week FDP on

"Application in Engineering Based on MATLAB"

21th to 25th December 2015

Faculty Registration Form

Sr. No.	Name	Phone No.	Mail ID	College / Industry	Amount	Sign
22	Mr. V. S. Bhandare.	9146999572	vikas.bhandare@seti.edu.in	SETI	800/-	
23	Mr. D. R. Shelar.	9146999544	deepak.shelar@seti.edu.in	SETI	800/-	
24	Mr. Solase A. M.	9146999600	Solaseamal@gmail.com	SETI Diploma	800/-	
25	Miss. Divase.	9146999599	divasep@gmail.com	SETI Diploma	800/-	
26	Mr. Radeep Gurav.	9623979696	guravr@gmail.com	SETI Diploma	800/-	
27	Mr. V. S. Mandlik	9921930399	Vinay.mandlik@gmail.com	Bharati Vidhyapeeth	800/-	
28	Mr. V. D. Patil	9970700823	vikas.patil@gmail.com	Bharati Vidhyapeeth	800/-	
29	Mr. M. S. Ingavale	9921401670	mangeshingvale@gmail.com	NMKET	800/-	
30	Mr. Digvijay Pawar	9665159556	pawardigvijay@gmail.com	Bharati Vidhyapeeth	800/-	
31	Mr. P. S. Ravan	9423314532	Ravanprajakta@gmail.com	DKTE	800/-	
32	Mr. Y. S. Jagdale	8149285699	jagdale4@gmail.com.	Bharati Vidhyapeeth	800/-	

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IETE Sponsored one week FDP
on
Applications in Engineering based on MATLAB
21st to 25th December 2015

Sr. No.	Name Of Faculty	Institute Name	Monday, 21-12-2015				Tuesday, 22-12-2015			
			Session I 9.30-11.15	Session II 11.30-1.30	Session III 2.15-3.30	Session IV 3.45-5.00	Session I 9.30-11.15	Session II 11.30-1.30	Session III 2.15-3.30	Session IV 3.45-5.00
1	Mr. V. S. Mandlik	BVK								
2	Mr. V. D. Patil	BVK								
3	Mr. M. S. Ingavale	NMCET								
4	Mr. D. Pawar	BVK								
6	Mrs. T. T. Mohite-Patil	SETI								
7	Mr. V. S. Mane	SETI								
8	Mr. S. V. Vanmore	SETI								
9	Miss. P. Y. Bhosale	SETI								
10	Miss. S. S. Lad	SETI								
11	Mr. C. M. Gaikwad	SETI								
12	Mr. C. R. Dongarsane	SETI								
13	Mr. S. N. Shinde	SETI								
14	Mr. S. P. Patil	SETI								
15	Miss. P. U. Mohite	SETI								
16	Miss. P. B. Shikalgar	SETI								
17	Mr. S. A. Maske	SETI								
	Mrs. P. S. Ravan	DKTE								

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18	Mrs. M.R.Kandgaonkar	SETI								
19	Mr. P. P. Kulkarni	SETI								
20	Mr. P. B. Gurav	SETI								
21	Mr. N S.Jadhav	SETI								
22	Mr. A. M. Bhandare	SETI								
23	Mr. V. T. Metkari	SETI								
24	Mr. Y. R. Naik	SETI								
25	Mr. P. R. Padghan	SETI								
26	Mr. A.P. Redekar	SETI								
27	Miss. P. G. Bendre	SETI								
28	Mr. V. S. Bhandare	SETI								
29	Mr. D. R. Shelar	SETI								
30	Mr. Solase A.M.	SETI Diploma								
31	Miss Divase	SETI Diploma								
32	Mr. Pradeep Gurav	SETI Diploma								
33	Mr. A. V. Udale	SETI Diploma								
34.	Mr. Y.S. Jagdale	BYK								

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2	Mr. V. D. Patil	BVK				
3	Mr. Ingavale M.S.	NMCET				
4	Mr. D. Pawar	BVK				
5	Mr. Y. S. Jagdale	BVK				
6	Mrs. P. S. Ravan	DKTE				
7	Mr. V. S. Mane	SETI				
8	Mr. S. V. Vanmore	SETI				
9	Miss. P. Y. Bhosale	SETI				
10	Miss. S. S. Lad	SETI				
11	Mr. C. M. Gaikwad	SETI				
12	Mr. C. R. Dongarsane	SETI				
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19	Mr. P. P. Kulkarni	SETI				
20	Mr. P. B. Gurav	SETI				

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22	Mr. A. M. Bhandare	SETI				
23	Mr. V. T. Metkari	SETI				
24	Mr. Y. R. Naik	SETI				
25	Mr. P. R. Padghan	SETI				
26	Mr. A.P. Redekar	SETI				
27	Miss. P. G. Bendre	SETI				
28	Mr. V. S. Bhandare	SETI				
29	Mr. D. R. Shelar	SETI				
30	Mr. Solashe A. M.	SETI Diploma				
31	Miss Divase	SETI Diploma				
32	Mr. Padeep Gurav	SETI Diploma				

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SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

IETE Sponsored one week FDP
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Applications in Engineering based on MATLAB
21st to 25th December 2015

Sr. No.	Name Of Faculty	Institute Name	Thursday, 24-12-2015				Friday, 25-12-2015			
			Session I 9.30-11.15	Session II 11.30-1.30	Session III 2.15-3.30	Session IV 3.45-5.00	Session I 9.30-11.15	Session II 11.30-1.30	Session III 2.15-3.30	Session IV 3.45-5.00
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14	Mr. S. P. Patil	SETI								
15	Miss. P. U. Mohite	SETI								
16	Miss. P. B. Shikalgar	SETI								
17	Mr. S. A. Maske	SETI								
18	Mrs. M.R.Kandgaonkar	SETI								

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SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

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20	Mr. P. B. Gurav	SETI								
21	Mr. N S.Jadhav	SETI								
22	Mr. A. M. Bhandare	SETI								
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27	Miss. P. G. Bendre	SETI								
28	Mr. V. S. Bhandare	SETI								
29	Mr. D. R. Shelar	SETI								
30	Mr. Solashe A. M.	SETI Diploma								
31	Miss Divase	SETI Diploma								
32	Mr. Pradeep Gurav	SETI Diploma								

Date: 26th Dec. 2015.

To,

The Principal,

Sanjeevan Engg. & Tech. Institute,

Panhala.

Subject: Budget for 1 Week FDP on MATLAB.

Dear Sir,

As per subject mentioned above the Electrical & E&TC has organized a 1 week Workshop on MATLAB. We are happy to inform you that workshop has been successfully completed on date 25th, December 2015.

For this workshop you have already approved budget rupees (32*800=25,600) this budget detail we have mentioned below.

The details of the budget are as follows,

Sr. No.	Particulars	Qty	Amount (Rs.)
1	Honorarium		7,500.00
2	Breakfast & tea & Lunch	32	9,600.00
4	Workshop Kit (Notepad, Pen, File Folder)	35	2,400.00
5	Certificates	40	400.00
6	Flex	1	400.00
7	Miscellaneous		1900.00
Total			**22,200.00**
Balance			**3,400.00**

Kindly consider the same and do the needful.

Thank you.

Your faithfully,

Workshop coordinators

Department of Electrical & E&TC engineering

Holy-wood Academy's

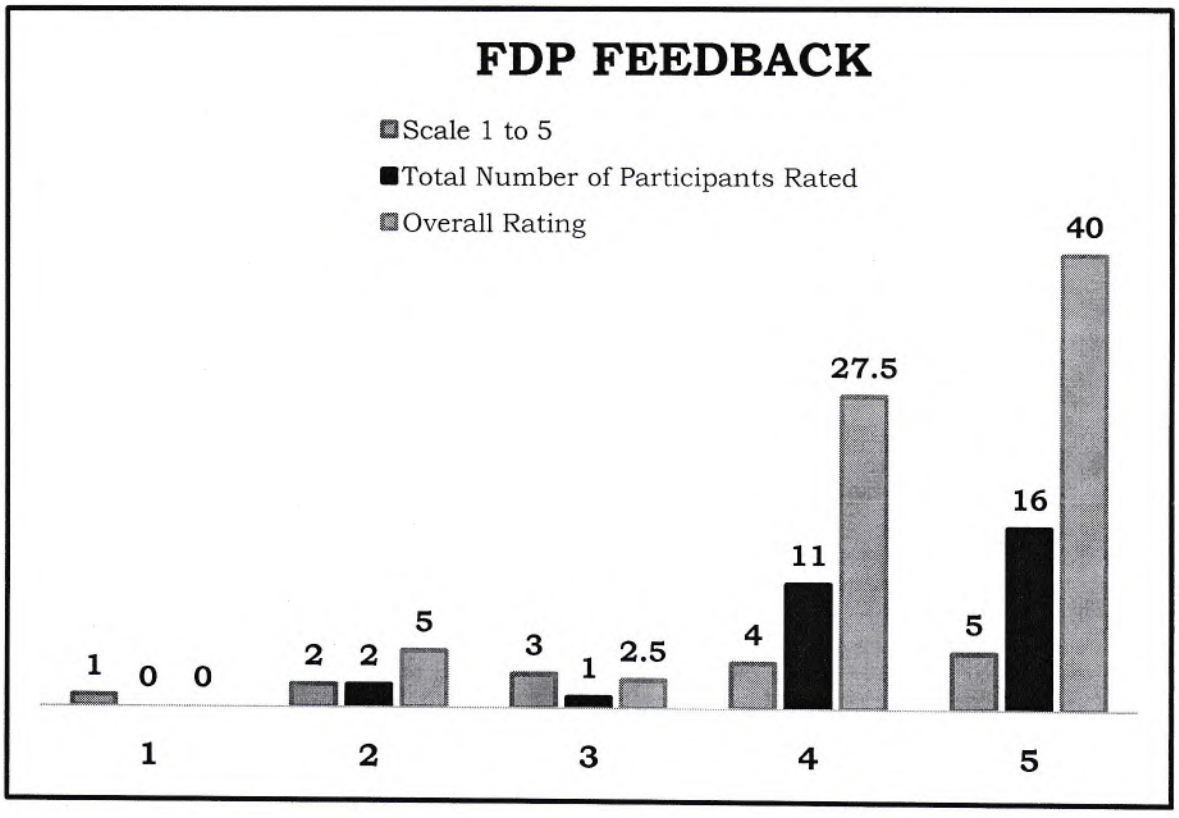
Sanjeevan Engineering & Technology Institute, Panhala

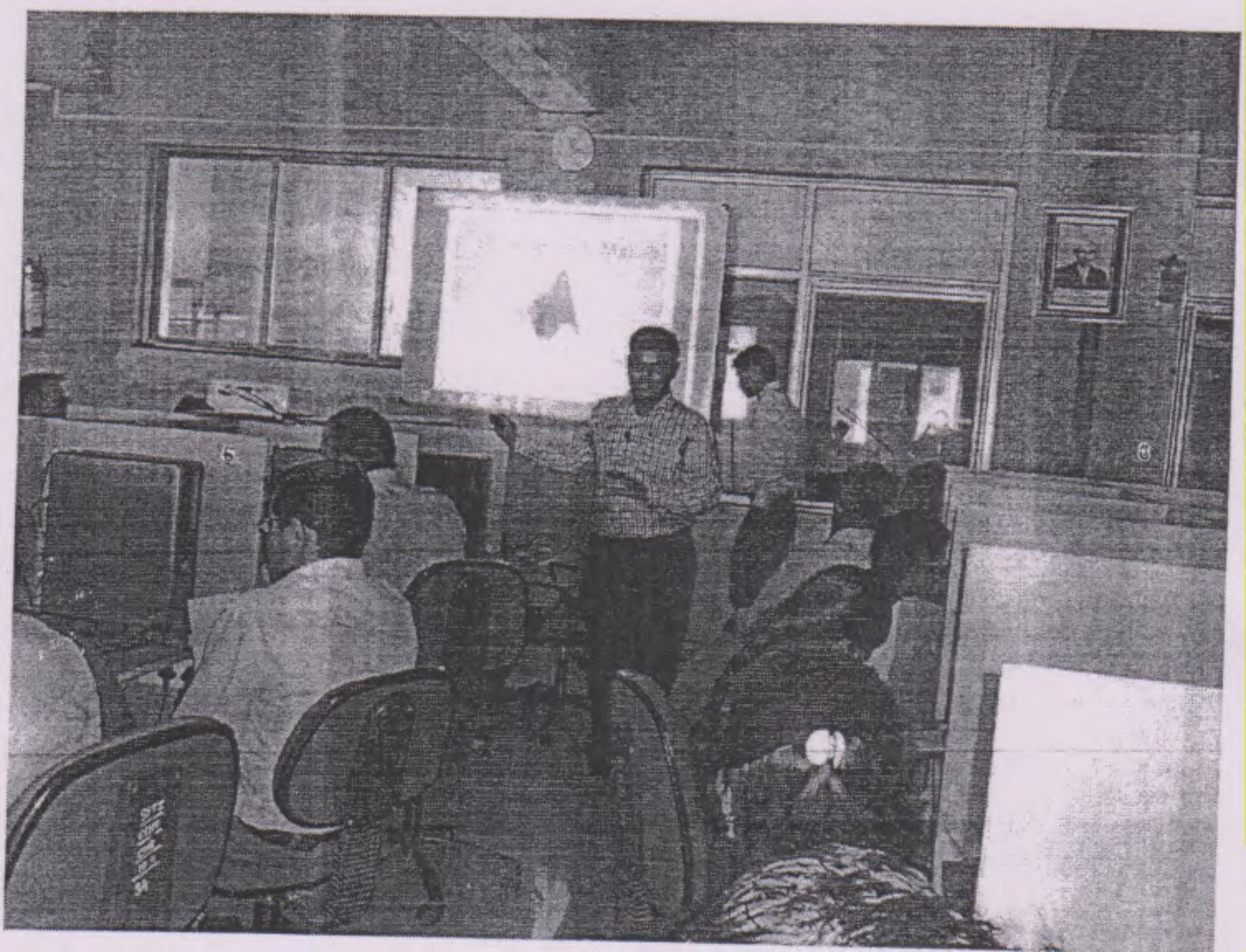
Branch - Electronics & Telecommunication

STUDENT FEEDBACK ANALYSIS SEM - I Year - 2015 - 2016

CLASS - B. E.

Scale 1 to 5	1	2	3	4	5
Total Number of Participants Rated	0	2	1	11	16
Overall Rating	**0**	**5**	**2.5**	**27.5**	**40**





IETE Sponsored One Week Faculty Development Programme

Title of FDP: Applications In Engineering Based On MATLAB

Duration: Dec. 21st to Dec. 25th, 2015

Resource Person: Prof.Mushtak Y. Gadkari, HOD (IT Dept.), Rajendra Mane College of Engineering & Technology (Ambav), Ratnagiri.

HOD: Prof. Vikas S. Mane (E&TC) and Prof. Manisha R. Kandgaonkar (Electrical)

Coordinators: Prof. Poonam Y. Bhosale (E&TC) & Prof. Abhijeet P. Redekar (Elect)

FDP Details:

The department of Electrical and Electronics & Telecommunication of IETE Kolhapur Sub-centre organized IETE sponsored One week Faculty Development Programme on **"Applications In Engineering Based On MATLAB"** during 21st to 25th December, 2015 at Sanjeevan Engineering and Technology Institute, Panhala. The chief guest and resource person for the FDP was Prof. Mushtak Y. Gadkari, RMCET (Ambav), Ratnagiri.

For this FDP ~~at~~ around 35 faculty members were present from various colleges like Bharati Vidyapeeth's College of Engineering, Kolhapur, Nanasaheb Mahadik College of Engineering, Peth-Naka, DKTE, Ichalkaranji and SETI, Panhala. This event was Inaugurated by Dr. G. V. Mulgund, Principal SETI, Panhala, Academic Dean Mrs. T. T. Mohite-Patil, Prof. Vikas S. Mane HOD E&TC and Prof. Manisha R. Kadgaonkar HOD Electrical. Resource person Prof. Mushtak Y. Gadkari delivered the sessions for five days on Basics of MATLAB, Control Systems, Filter Design, Image Processing, GUI and Simulink etc. This FDP will be useful for faculty for their research work and carrier development. This FDP was co-ordinated by Prof. Poonam Y. Bhosale and Prof. Abhijeet P. Redekar.

Short Term Training Program On-

Advances in Refrigeration and Air Conditioning

2 to 6 Feruary 2016

Regestration List

Sr. No.	Name	Firm/ Institute	Contact No.	Email	Category	Amount
1	VhanggutteS. B.	Dr J.J. M. COE Jaysingpur	9767384242	mms3847@gmail.com	PG M	500
2	Londhe A G.	Dr J.J. M. COE Jaysingpur	7385110569	mms3847@gmail.com	PG M	500
3	Heganna V. P.	Dr J.J. M. COE Jaysingpur	8928585413	heganavishal@rediffmail.com	PG M	500
4	Dabhade P. D.	Dr J.J. M. COE Jaysingpur	9850603493	prashantdabhade88@gmail.com	PG M	500
5	Mujawar N. H.	Dr J.J. M. COE Jaysingpur	9766436077	nisamujawar@gmail.com	PG M	500
6	Sajane S. S.	Dr J.J. M. COE Jaysingpur	7588697691	sajane.swapnil@gmail.com	PG M	500
7	Ms. Kadam Rupali R	Dr J.J. M. COE Jaysingpur	9503202758	rupalikadam18@gmail.com	PG M	500
8	Shinde Tanaji B	S.G.I COE Atigre	9975334761	tanaji1511@gmail.com	PG M	**500
9	Kairnar Yogesh S.	SETI Panhala	9146999516	yogeshkhairnar16@gmail.com	Faculty	1000
10	Chaugule Gaurav	Dr J.J. M. COE Jaysingpur	7276339144	girish9091@gmail.com	PG M	500
11	Ms Gaikwad Priyanka	Dr J.J. M. COE Jaysingpur	7387106771	pumang313@gmail.com	PG M	500
12	Virkar Deepak S	SETI Panhala	8600772160	deepak.virkar87@gmail.com	Faculty	1000
13	Jadhav Viraj	Dr J.J. M. COE Jaysingpur	9921689789	virajvj1711@gmail.com	PG M	500
14	Paymal Digvijay	Dr J.J. M. COE Jaysingpur	9545090735	dpaymal7777@gmail.com	PG NM	750
15	Swami Pratik	Dr J.J. M. COE Jaysingpur	9545090735	pratikswami46@gmail.com	PG NM	750
16	Kulkarni P. R.	Dr J.J. M. COE Jaysingpur	9404369800	kulpr@gmail.com	Faculty	1000
17	Pawar R. S.	Dr J.J. M. COE Jaysingpur	9890467915	rspowar68@gmail.com	Faculty	1000
18	Pisal S. K.	SETI Panhala	9561077108	pisalautomobile@rediffmail.com	Faculty	1000
					TOTAL	*11500*

For Registration Committee

Short Term Training Program On

Advances in Refrigeration and Air Conditioning

2 to 6 Feruary 2016

Expences Towards Remun/TA/Boarding

Sr. No.	Name of Faculty	Firm/ Institute	Topic	Remu	TA	Hault
1	A. V. Kulkarni	Anucool Engineers	Coooling Load	1000	0	0
2	Yelavkar Vikram	Viky Refrigerations, Kolhapur	Air craft Refrigeration	1000	0	0
3	Mr S M. Ranade	Rachana Refrigerations, Sangli	Refrigeration compressors	1000	0	0
4	Dr. Ghevade	WCE, Sangli	Exergy Analysis of BMC	1000	0	0
5	Neeraj Agarwal	BATU,Lonere	CO2 Refrigeration	2500	2500	2360
6	Neeraj Agarwal	BATU,Lonere	CO2 Refrigeration			
7	Dr. Padalkar	Flora Institute of Technology,Pune	Alternative Refrigerants	1500	2000	0
8	Nishikant Salvekar	New Anucool Engineers, Kolhapur	Chillers	1000	0	0
				9000	**4500**	**2360**
					Total	**15860**

Prgram Convenor
S. L. Ghodake

Ishrae KSSC President
S. M. Shaikh

Sanjeevan Engineering & Technology Institute, Panhala
Department of Automobile Engineering

Advances in Refrigeration and Air Conditioning

Expenditure Statement – Registration Committee

Sr. No.	Particular	Bill No.	Amount
1.	Shree Graphics (Certificate Printing)	1	900
2.	Mahalaxmi Store (file, pad, pen etc)	2	4800
3.	Yash Enterprizes (Color Xerox)	3	100
4.	Surabhi Plastics (ID Card)	4	240
5.	Pointer Cell		45
	Total		**6085**

Program Coordinator

President KSSC Ishrae

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE, PANHALA

SHORT TERM TRAINING PROGRAM

seti
SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

In Association with Indian Society of heating refrigeration & Air conditioning Engine

Certificate Of Participation

This is to certify that Mr./ Miss Pisal Sachin K.

from Sanjeevan Engg. & Technology Institute Panhala. *has successfully Participated in one week faculty development program on " Advances Refrigeration and Air Conditioning" Organized by Automobile Engineering Department - Sanjeevan Engineering And Technology Institute (SETI), Panhala & ISHRAE - KSSC during February 2- 6, 2016.*

Convener

President
ISHRAE - KSSC

Principal

Sanjeevan Knowledge City, Somwar Peth, Panhala, Tal. Panhala, Dist. Kolhapur - 416 201
Phone : 02328 - 235241, 235495 Fax : 02328 - 235241 Mobile : 9545451966, 9545453831
Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in / setipanhala@gmail.com
Approved By AICTE - New Delhi Recognized by Govt. of Maharashtra & DTE Affiliated to Shivaji University, Kolhapur

Department of Mechanical Engineering

December 13th, 2016

To,
The Principal,
Sanjeevan Engineering and Technology Institute,
Panhala.

Subject- Regarding permission and sanction for STTP

Respected Sir,

We, the Department of Mechanical engineering, are going to arrange a Short Term Training Programme **(STTP)** for faculties and PG students on **Recent Trends in Manufacturing Processes** by various renowned faculties and Industrial experts. The duration for STTP will be from 02.01.2017 to 06.01.2017. This session will help the beneficiary in enhancing their technical knowledge.

So you are kindly requested to permit and sanction budget for the same.

Yours faithfully,

Head
Mechanical Engineering

Approved. permitted.
To be submitted to
Hon. chairman for approval
Rs 30,000/- to conduct STTP
Budged requested is Rs 78000/-
19/12.

Enclosure:
1. STTP Schedule (Tentative)
2. STTP Tentative Budget

grant sanctioned

CHIEF PATRON

Hon'ble Shri. P. R. BHOSALE
Founder & Chairman, Holy-wood Academy, Kolhapur

PATRON

Hon'ble Shri. N. R. BHOSALE
Joint Secretary, Holy-wood Academy, Kolhapur

CHAIRMAN

Dr. G. V. MULGUND
Principal

ADVISORY COMMITTEE :

Dr. A.T. Pise
Deputy Director, DTE Govt. of Maharashtra

Dr. S. H. Sawant
Incharge Dean, Engineering SUK, Kolhapur

Dr. B. S. Gawali
Ex. Bos, Chairman, SUK, Kolhapur

Dr. S. S. Mohite
Bos, Chairman, SUK, Kolhapur

HEAD OF DEPARTMENT :

Prof. S. P. Nangare
HOD, Mechanical Engg. Dept.

COORDINATOR :

Prof. A. N. Naik
Mechanical Engg. Dept.

CO-COORDINATOR:

Prof. P. S. Atigre
Mechanical Engg. Dept.

Prof. A. B. Chavan
Mechanical Engg. Dept.

Prof. A. S. Katkar
Mechanical Engg. Dept.

Registration :

The participants should send the applications (Hard or Scan copy) in the specified format (enclosed here to reach the Coordinators via post or e-mail latest 30th Dec. 2016.

Last date of Registration : 30th Dec. 2016

Important Note : Each Institute is requested to register at least two Faculties from their institute.

Registration Fee

Students	**: 1000/-**
Research Scholar/ Academic Institutions	**: 1500/-**
Industry Person	**: 2000/-**

Accommodation

Arrangements for accommodation will be made on request in hostel. Necessary help will be provided by the organizers.

Contact for Registration :

Prof. A. N. Naik, Mechanical Engg. Dept.
Email : abhijeet.naik@seti.edu.in
Mobile : +91-9146999504 / 9049736797

Prof. P. S. Atigre, Mechanical Engg. Dept.
Email : pravin.atigare@seti.edu.in
Mobile : +91-9146999511 /7775888595

Holy-wood Academy, Kolhapur's
Sanjeevan Engineering & Technology Institute
Sanjeevan Knowledge City, Panhala,
Tal. Panhala, Dist. Kolhapur-416201. (Maharashtra)
Ph.: 0231-2686665, 2686600 Fax :0231-2686629
Website : www.seti.edu.in

One Week

Short Term Training Program (
on
Recent Trends in Manufacturing Pro
2nd Jan. to 6th Jan. 2017

Approved By ISTE

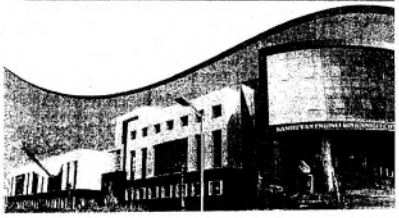
Organized by

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE
since : 2009
Excellence Through Education

Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERIN
TECHNOLOGY INSTITU
Sanjeevan Knowledge City, Panhala
Tal. Panhala, Dist. Kolhapur-416201. (M
Website : www.seti.edu.in
Ph. : 0231-2686665, 0231-2686600

Department of Mechanical Engine



Sanjeevan Engineering and Technology Institute

One week Short Term Training Programme (STTP)

Recent Trends in Manufacturing Processes

Department of Mechanical Engineering

02.01.2017 to 06.01.2017

Date	Time	Event
02-Jan-17	10.00 am-10.30 am	Registration/ Tea
	10.30 am-11.00 am	Inauguration
	11.00 am-1.30 pm	**Session I**
	1.00 pm-2.00 pm	Lunch Break
	2.00 pm -4.30 pm	**Session II**
	4.30 pm	Tea
03-Jan-17	10.00 am-10.30 am	Breakfast & Tea
	10.30 am-1.00 pm	**Session I**
	1.00 pm-2.00 pm	Lunch Break
	2.00 pm -4.30 pm	**Session II**
	4.30 pm	Tea
04-Jan-17	10.00 am-10.30 am	Breakfast & Tea
	10.30 am-1.00 pm	**Session I**
	1.00 pm-2.00 pm	Lunch Break
	2.00 pm -4.30 pm	**Session II**
	4.30 pm	Tea
05-Jan-17	10.00 am-10.30 am	Breakfast & Tea
	10.30 am-1.00 pm	**Session I**
	1.00 pm-2.00 pm	Lunch Break
	2.00 pm -4.30 pm	**Session II**
	4.30 pm	Tea
06-Jan-17	10.00 am-10.30 am	Breakfast & Tea
	10.00 am- 11.00 pm	**Valedictory Function**
	11.00 am- 4.30 pm	Industrial Visit

5 DAY STTP ORGANIZED BY MECHANICAL DEPARTMENT ON "RECENT TRENDS IN MANUFACTURING PROCESSES" FROM 02/01/2017 TO 06/01/2017

LIST OF FACULTY REGISTRATION

SR.NO	NAME OF FACULTY	INSTITUTE NAME	AMOUNT
1	Prof.B.R.JADHAV	RIT, SAKHARALE	1500
2	Prof.I.H.PATEL	COE, MALEGAON	1500
3	Prof.H.A.PHADTARE	COE, MALEGAON	1500
4	Prof.A.T.BHOSALE	SETI, PANHALA	1000
5	Prof.M.A.PATIL	SETI, PANHALA	1000
6	PROF.S.P.NANGRE	SETI, PANHALA	1000
7	PROF.S.G.ARVINDKUMAR	SETI, PANHALA	1000
8	PROF.P.S.ATIGRE	SETI, PANHALA	1000
9	PROF.V.V.VANMORE	SETI, PANHALA	1000
10	PROF.D.V.PATIL	SETI, PANHALA	1000
11	PROF.R.U.URUNKAR	SETI, PANHALA	1000
12	PROF.A.S.KATKAR	SETI, PANHALA	1000
13	PROF.V.D.THORAT	SETI, PANHALA	1000
14	PROF.S.J.PATIL	SETI, PANHALA	1000
15	PROF.A.B.CHAVAN	SETI, PANHALA	1000
16	PROF.R.D.MANE	SETI, PANHALA	1000
17	MR.V.H.DEOKAR	SETI,PANHALA	1000
18	MR.D.G.BHOSALE	SETI,PANHALA	1000
19	MR.R.M.TOPUGADE	SETI,PANHALA	1000
20	MR.U.S.GHORPADE	SETI,PANHALA	1000
21	PROF.G.C.KOLI	SETI, PANHALA	1000
22	PROF.A.A.KATKAR	SETI, PANHALA	1000
23	PROF.A.P.BHOSALE	SETI, PANHALA	1000
24	PROF.N.B.THARKAR	SETI, PANHALA	1000
25	PROF.K.S.KAMBLE	PVPIT,BUDHGAON	1500
26	PROF.S.A.WANI	PVPIT,BUDHGAON	1500
TOTAL			28500

Amnt recieved

5 DAY STTP ORGANIZED BY MECHANICAL DEPARTMENT ON "RECENT TRENDS IN MANUFACTURING PROCESSES" FROM 02/01/2017 TO 06/01/2017
LIST OF STUDENT REGISTRATION

SR.NO	NAME OF STUDENT	INSTITUTE NAME	AMOUNT
1	MR.S.P.PATIL	AGCOE,SATARA	1000
2	MR.A.A.KADAM	AGCOE,SATARA	1000
3	MR.S.R.JADHAV	AGCOE,SATARA	1000
4	MR.P.B.BAMANKAR	AGCOE,SATARA	1000
5	MR.M.V.MATKAR	AGCOE,SATARA	1000
6	MR.N.M.CHITRAGAR	SETI,PANHALA	1000
7	MR.N.Y.KATKAR	SETI,PANHALA	1000
8	MR.N.D.DEVADKAR	SETI,PANHALA	1000
9	MR.SURAJ A. DESAI	SETI,PANHALA	1000
10	MR.ABHIJEET PATIL	SGI,ATIGRE	1000
11	MR.SHAILESH DHANAL	SGI,ATIGRE	1000
TOTAL			11000

All amnt recived

1.
2.

STTP Feedback Form

Your feedback is important for us. We would appreciate if you could take a few minutes to share your opinions with us so we can serve you better.

STTP on "Recent Trends in manufacturing Processes"

Topic: Metallurgical Aspects & Analysis of Casting Defects

Date: 02/01/2017

Resource Person: Mr. S.S.Vathare

	Strongly agree				Strongly disagree
1. The content was as described in publicity materials	✓	2	3	4	5
2. The STTP was applicable to my job	1	✓	3	4	5
3. The program was well paced within the allotted time	✓	2	3	4	5
4. The instructor was a good communicator	✓	2	3	4	5
5. The material was presented in an organized manner	1	✓	3	4	5
6. The instructor was knowledgeable on the topic	✓	2	3	4	5
7. I would be interested in attending a follow-up, more advanced workshop on this same subject	✓	2	3	4	5

9. Given the topic, was this STTP: ☐ a. Too short ☑ b. Right length ☐ c. Too long

10. In your opinion, was this STTP: ☑ a. Introductory ☐ b. Intermediate ☐ c. Advanced

11. Please rate the following:

	Excellent	Very Good	Good	Fair	Poor
a. Visuals	☐	☑	☐	☐	☐
b. Acoustics	☐	☐	☑	☐	☐
c. Meeting space	☐	☑	☐	☐	☐
d. Handouts	☐	☐	☐	☐	☐
e. The program overall	☐	☐	☑	☐	☐

12. What did you most appreciate/enjoy/think was best about the STTP? Any suggestions for improvement?

Thank you!

Please return this form to the coordinator at the end of the sessions.

Sanjeevan Engineering & Technology Institute, Panhala

STTP on **"Recent Trends in Manufacturing Processes"**

Title of STTP : **"Recent Trends in Manufacturing Processes"**

Duration : One Week(02/01/2017-06/01/2017)

Resource Persons : Mr. S. S. Vathare,Dr. S. G. Bhatwadekar,Dr. V. D. Shinde,Mr. N.R. Bhosale,Prof. M. V. Kavade

Co-ordinator : Prof. A.N.Naik

Programme details:

One week STTP programme on "**Recent Trends in Manufacturing Processes**" dated on 02/01/2017 to 06/01/2017 at Seminar Hall, Sanjeevan Engineering & Technology Institute, Panhala.

The Resource person for this STTP programme was **Mr. S. S. Vathare,Dr. S. G. Bhatwadekar,Dr. V. D. Shinde,Mr. N.R. Bhosale,Prof. M. V. Kavade**.

For this programme around 37 faculties were present from SETI,Panhala as well as faculties from other Engineering colleges of Mechanical Engineering Department. The event was inaugurated by chief guest Dr. S.H.Sawant with Dr. G. V. Mulgund , Principal , SETI, Panhala.

Our Resource persons Mr. S. S. Vathare,Dr. S. G. Bhatwadekar,Dr. V. D. Shinde,Mr. N.R. Bhosale,Prof. M. V. Kavade delivered the sessions on Metallurgical Aspects & Analysis of Casting Defects ,Flexible Manufacturing Systems,Advanced Melting and Casting Techniques,Recent Trends in Manufacturing,Response Surface Methodology in Manufacturing respectively,these sessions were fruitful for the faculties of mechanical engineering for the enhancement in knowledge of manufacturing proceseses.

Faculties of our department learned and enjoyed the sessions enthusiastically. This programme will be useful for all mechanical faculties .

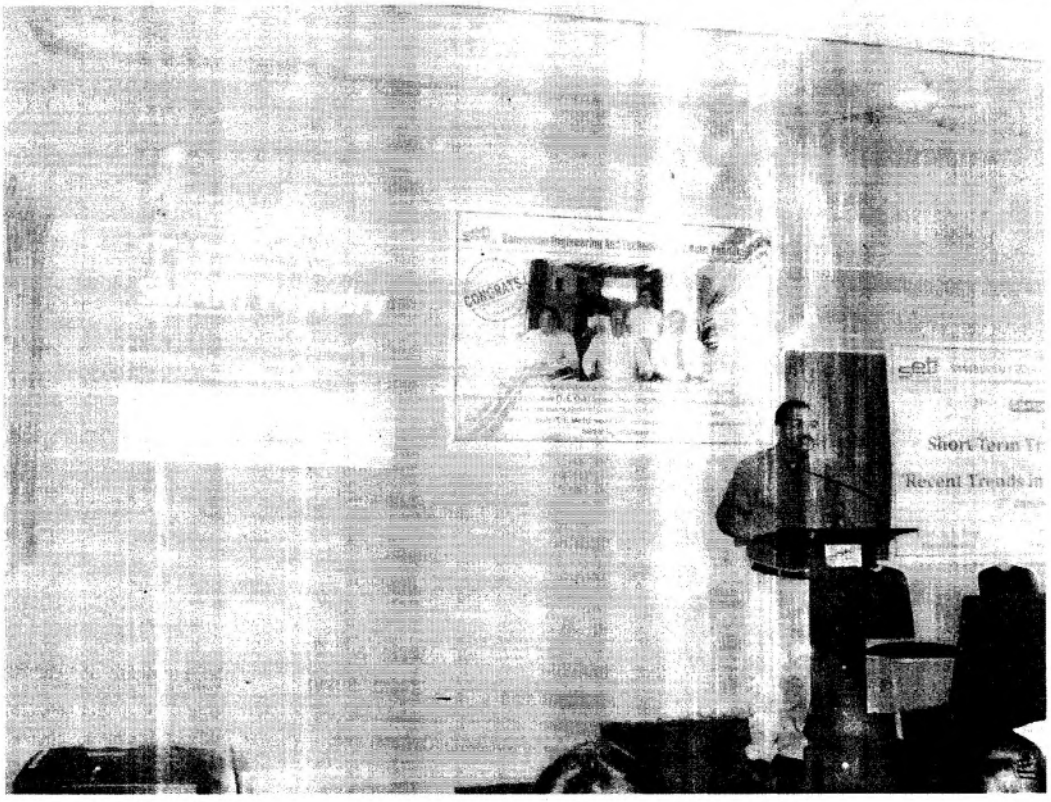
The vote of thanks expressed by Prof. A.N.Naik.

Day One

Mon. 02/01/2017

Inauguration


ISTE Approved
Short Term Training Program (STTP)



Date-9/12/2016

To,

The Principal,

SETI Panhala.

Subject:-About permission for organization of one week workshop on "Municipal Submission Drawing with AUTO-CAD".

Respected Sir,

The Department of Civil Engineer is planning to organize self-financed one week workshop form 17th Jan 2017 to 21th Jan 2017 **"Municipal Submission Drawing with AUTO-CAD"** under ISTE. The details of the workshop are attached with this latter.

We request you to grand the permission to conduct the workshop in our institute.

Thanking you.

Requested to permitte
Dharan

Approved

Yours Sincerely,

Workshop Coordinator

(Mr. A. C. Thoke)

To

The Principal

SETI, Panhala

Dt: 30-12-2016

Subject: Advance for the ISTE workshop on "Municipal Submission Drawing using CAD" from 17st Jan 2017 to 21th Jan 2017.

Respected sir,

With reference to above subject, I request you to provide advance for the one week workshop. The approximate budget is printed overleaf. Please provide the amount. **The DD of amount Rs. 1075/- payable to ISTE, New Delhi, is required on urgent basis.**

Thanking You.

Yours faithfully,

Coordinator

(A. C. Thoke)

Please provide on urgency basis.

Bharat

TO AIC pl. do the needful

30.12

To

The Principal

SETI, Panhala

Dt. 10-1-2017

Subject: Budget for the ISTE workshop on "Municipal Submission Drawing using CAD" from 17st Jan 2017 to 21th Jan 2017.

Respected sir,

With reference to above subject, I request you to provide budget for the one week workshop on "Municipal Submission Drawing using CAD" from 17st Jan 2017 to 21th Jan 2017. The approximate budget is printed overleaf. Please provide the amount.

please permitt as overleaf
Dhavan

Thanking You.

Yours faithfully,

Coordinator

(A. C. Thoke)

To office / A/c.
Approved all resource persons renumeration.
Lunch & Tea may be provided by our mess.
To be submitted to Hon. chairman for sanction of Rs 15000/-

10.01.

One-Week Workshop on "Municipal Submission Drawing using CAD"

Sanjeevan Engineering and Technology Institute, Panhala

Department of Civil Engineering

Tentative Budget for One-Week Workshop on "Municipal Submission Drawing using CAD"

Sr. No.	Particulars	Tentative Budget*
1	**Printing of Workshop Brochures**	-
2	**Postage of Brochures**	1000/-
3	**Registration Kit For Participants**	1000/-
4	**Tea**	1500/-
5	**Resource Person Remunerations**	15000/-
6	**Digital Banner**	500/-
7	**Inaugural Function**	500/-
8	**Certificate Printing**	1500/-
9	**T.A.**	-
10	**ISTE DD**	1030/-
11	**ISTE Fees Per Participant**	3000/-
12	**Refreshment**	20000/-
Total Amount		**Rs. 45030/-**

Rupees Forty Five Thousand and Thirty.

*(Above-mentioned budget is expected for twenty numbers of participants)

(4 &12 Nos are arrange in mess)

please permitt
Sharon

Coordinator
(A. C. Thoke)

Date: 10/01/2017

To,

The Principal,

SETI, Panhala

Sub.: About Workshop Guest Remuneration.

Respected Sir,

With respect to above subject department of civil engineering is going to arrange one week ISTE workshop on "Municipal Submission Drawing Using CAD" from 17th Jan. to 21st Jan. 2017. We require **Rs. in cash 14000/- (Fourteen thousand only) on date 17th Jan 2017** for Guest Remuneration.

		Date
Guest Name: 1) Ar. Amarja R. Nimbalkar	----- Rs. 2000/-	16/1/2017
2) Ar. Mahesh P. Doiphode	----- Rs. 3000/-	18/1/2017
3) Er. Raj Sambhaji Kamat	----- Rs. 4000/-	19/1/2017
4) Er. Vijay B Rabade	----- Rs. 5000/-	20/1/2017

Please do the needful.

Thanking You,

please permitt
Bhoran

Yours Faithfully,

Workshop Coordinator

(Prof. A. C. Thoke)

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUT
Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur
Pin- 416 201. (Maharashtra) Phone : 0231 - 2686600, 21 Fax : 0231 - 2686629
Approved By AICTE - New Delhi Recognized by Govt. of Maharashtra & DTE Affiliated to Shivaji University, Kolhapu
Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in

EN 6315

Ref No:- SETI/2017/12

To,

Date: 6th Jan 2017

The President,
Indian Society for Technical Education,
New Delhi.

Subject: About getting ISTE grant to organize one-week workshop on "Municipal Submission Drawing using CAD"

Respected Sir,

The Department of Civil Engineering of our institute Sanjeevan Engineering and Technology Institute, Panhala, Dist: Kolhapur, State: Maharashtra is planning to organize one week National level workshop on **"Municipal Submission Drawing using CAD"** from **17st Jan 2017 to 21th Jan 2017** under ISTE. The Proposal and D.D. of Rs. 1000/- are enclosed with this letter.

We request you to sanction the proposed grant to conduct the workshop in our institute.

Thanking You.

Yours faithfully,

Principal

(Dr. G.V. Mulgund)

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur
Pin- 416 201. (Maharashtra) Phone : 0231 - 2686600, 21 Fax : 0231 - 2686629
■ Approved By AICTE - New Delhi ■ Recognized by Govt. of Maharashtra & DTE ■ Affiliated to Shivaji University, Kolhapur
Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in

EN 6315

Ref No:- SETI/2017/41

To,

Date: 25/01/ 2017

The President,
Indian Society for Technical Education,
New Delhi.

Subject: Report of one-week workshop on "Municipal Submission Drawing using CAD"

Respected Sir,

With respect to above subject I want to express my deepest gratitude to you for the recommendation you made to our institute for **one week National level workshop on "Municipal Submission Drawing using CAD"** from **17st Jan 2017 to 21th Jan 2017**. I know that your recommendation played a significant role in helping us to obtain the opportunity to conduct such workshop. I will always remember your willingness to help for giving permission and also same for future workshops.

Please accept my sincere thanks.

With regards,

Yours sincerely,

Dr. G.V. Mulgund

Principal

SANJEEVAN ENGG. & TECH. INSTITUTE PANHALA

a/c.

Attachments:

1) Report of workshop
2) List of ISTE participates
3) D.D. of Rs.2250/- (Rs.150/-per students)
4) Photographs
5) Schedule of workshop
6) Lecture notes

भारतीय तकनीकी शिक्षा संस्था
INDIAN SOCIETY FOR TECHNICAL EDUCATION
(Under the Societies' Registration Act XXI of 1860)

Prof. Vaidya Vijay Dattatray
Executive Secretary

ISTE/Proceedings/STTP-SF/2016-17

January 17, 2017

Proceedings of Executive Secretary, ISTE

Sub.: Sanction to conduct full time Short-term Training Programme on Self-financing basis for the financial year 2016-2017.

Sanction is hereby accorded to the following institution for the conduct of the programme indicated below:

Name of Institution	:	Sanjeevan Engineering & Tech. Institute Kolhapur – 416 201
Topic	:	Municipal Submission Drawing using CAD
Name & Address of Coordinators	:	Mr. A.C. Thoke Asst. Prof.
Duration	:	One Week (Minimum 05 Working Days)
Proposed dates	:	17-01-2017 to 21-01-2017

Terms and Conditions

1. The institution offering the Programme should have an ISTE Chapter with at least 25 ISTE members as on the date of commencement of the programme.
2. Only ISTE life members are allowed to attend this programme. However, in the case of participant/s who are not life member/s but want to attend the STTP they may be allowed provided they fill up life membership form and pay the prescribed fee at the spot initially to the course coordinator. Course coordinator will send this to ISTE with their forms and fee (DD only) alongwith the final report after the course.
3. There will be no financial commitment on the part of ISTE on account of this programme.
4. The course will be full time and of duration 1week / 2 weeks / 4 weeks.
5. The proposal will be scrutinized by Experts and if approved, the approval will be communicated to the Coordinator. The Section Chairman / Executive Council Member may monitor the programme and send an independent report to ISTE Headquarters if called for. ISTE Headquarters reserves the right to decline the approval without assigning reasons.

TO Civil Dept

--/-

Shaheed Jeet Singh Marg, Near Katwaria Saria, New Dehli – 110 016
Phone: 91-11 26513542, 26963431, 26514234, Fax: 91-11 26852421, E mail: istedhq@vsnl.net, Website: www.isteonline.in

6. A processing & operational charges of Rs.150/- per participant is to be paid to ISTE Headquarters along with the final report mentioned in Item 8 below.

7. The registration fee of the participants may be fixed by the host institution.

8. Within 15 days after completion of the Programme the final report including list of participants (with their ISTE Membership Number of filled up application forms for ISTE membership with requisite fee), schedule of the programme with dates, copy of the certificate issued and copy of course notes must be sent to ISTE Headquarters alongwith processing & operational charges as mentioned in point 6 above. via DD in favour of "**ISTE**" New Delhi.

9. The Certificate may be issued by the Head of the host institution quoting ISTE Sanction Order. The certificate should contain the ISTE emblem at the top and should read "This is to certify that _____attended a short term course on_____ sponsored by ISTE during _____at_____.

10. The EC/SMC Member of ISTE preferably from nearby area may be invited during the STTP.

Executive Secretary

To,

Dr. G.V. Mulgund
Principal
Sanjeevan Enginering & Technology Institute
Sanjeevan Knowledge City, Somwar Peth - Injole
Panhala, Tal. Panhala, Dist. Kolhapur – 416 201
Maharashtra State

Copy to:

Mr. A.C. Thoke
Coordinator
Sanjeevan Enginering & Technology Institute
Sanjeevan Knowledge City, Somwar Peth - Injole
Panhala, Tal. Panhala, Dist. Kolhapur – 416 201
Maharashtra State

One-Week Workshop on "Municipal Submission Drawing With Cad"

Department of Civil Engineering
Sanjeevan Engineering and Technology Institute, Panhala

Schedule of Workshop

17th Jan 2017	18th Jan 2017	19th Jan 2017	20th Jan 2017	21th Jan 2017
Registration, Tea & Inaugural function (9.15 to 11 a.m.)	**Tea (9.30 to 10 a.m.)**	**Tea (9.30 to 10 a.m.)**	**Tea (9.30 to 10 a.m.)**	**Tea (9.30 to 10 a.m.)**
Procedure for approval, Term & condition (11 to 1 p.m.)	Introduction to CAD screen, mouse usage, command selection and finishing, pull down menu, Units (10 to 1 p.m.)	Municipal submission, Standard, Workspace (10 to 1 p.m.)	Municipal submission, format Toolbar and Dimension (10 to 1 p.m.)	Municipal submission (10 to 1 p.m.)
Lunch Break (1 to 2 p.m.)	**Lunch Break (1 to 2 p.m.)**	**Lunch Break (1 to 2 p.m.)**	**Lunch Break (1 to 2 p.m.)**	**Lunch Break (1 to 2 p.m.)**
Plan Drafting & Municipal Submission (2 to 4 p.m.)	File Edit and Draw Menu, Selection Window, Erase / delete, Draw and Modify Toolbar (2 to 4 p. m.)	Municipal submission Inquiry and Properties Toolbars (2 to 4 p.m.)	Municipal submission Layers Toolbar (2 to 4 p.m.)	**Valedictory function (2 to 4 p.m.)**

HOD
Civil Engineering
Sanjeevan Engineering & Technology Institute
Somwar Peth. Panhala, Dist. Kolhapur. (416 201)

(A. C. Thorat)

ISTE, Approved
One week National Level
Workshop
On

"Municipal Submission Drawing Using CAD"

17 Jan. 2017 to 21 Jan. 2017

Organized by Civil Engineering Department

REGISTRATION FORM

1. Name: _____

2. Registration Category: ☐ Student ☐ Faculty ☐ Industry Persons ☐ ISTE Member

3. Name of College/Industry: _____

4. Designation: _____ 5. Qualification: _____

6. Address: _____

_____ Pin: _____

7. Mobile No.: _____ 8. Email: _____

9. Details of Registration: ☐ Cash ☐ DD Amount: _____

(In case of DD) Bank: DD No.: _____ Dated: _____

Date: **Signature of Applicant**

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Panhala, Tal. Panhala, Dist. Kolhapur-416201. (M. S.)
Phone:-0231-2686621 to 2686624, Fax: 0231-2686629.Website: www.seti.edu.in
Email: amit.thoke@seti.edu.in **CONTACT NO: 9146999547 (Prof. A. C. THOKE)**

ISTE, Approved
One week National Level
Workshop
On

"Municipal Submission Drawing Using CAD"

17 Jan. 2017 to 21 Jan. 2017

Organized by Civil Engineering Department

REGISTRATION FORM

1. Name: _____

2. Registration Category: ☐ Student ☐ Faculty ☐ Industry Persons ☐ ISTE Member

3. Name of College/Industry: _____

4. Designation: _____ 5. Qualification: _____

6. Address: _____

_____ Pin: _____

7. Mobile No.: _____ 8. Email: _____

9. Details of Registration: ☐ Cash ☐ DD Amount: _____

(In case of DD) Bank: DD No.: _____ Dated: _____

Date: **Signature of Applicant**

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Panhala, Tal. Panhala, Dist. Kolhapur-416201. (M. S.)
Phone:-0231-2686621 to 2686624, Fax: 0231-2686629.Website: www.seti.edu.in
Email: amit.thoke@seti.edu.in **CONTACT NO: 9146999547 (Prof. A. C. THOKE)**

ISTE, Approved One week National Level Workshop

On

"Municipal Submission Drawing Using CAD"

17 Jan. 2017 to 21 Jan. 2017

Organized by Civil Engineering Department

VOUCHER

Received Remuneration from DEPARTMENT OF CIVIL ENGINEERING, SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE, PANHALA of

Amount (In figure) _____ **Date of Issue** _____

Rupees (In Words) _____

DATE: **Receivers Sign** **Workshop Coordinator**

ISTE, Approved One week National Level Workshop

On

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DATE: **Receivers Sign** **Workshop Coordinator**

ISTE, Approved One week National Level Workshop
On
"Municipal Submission Drawing Using CAD"
17 Jan. 2017 to 21 Jan. 2017
Organized by Civil Engineering Department

ATTENDANCE SHEET (Student Participant)

Sr. No	Name of participant	Day 1- 17/01/2017		Day 2- 18/01/2017		Day 3- 19/01/2017		Day 4- 20/01/2017		Day 5- 21/01/2017	
		Session 1	Session 2	Session 1	Session 2	Session 1	Session 2	Session 1	Session 2	Session 1	Session 2
1	Miss. Bhosale Rajnanadini V	RBhosale	RBhosale	RBhosale	RBhosale	RBhosale	RBhosale	RBhosale	RBhosale	RBhosale	RBhosale
2	Miss. Giri Neha Hindurao	NHGiri	NHGiri	NHGiri	NHGiri	NHGiri	NHGiri	NHGiri	NHGiri	NHGiri	NHGiri
3	Mr. Patil Rohan R.	RR	P.R.	PR	PR	PR	PR	PR	P.R	PR	PR
4	Mr. Bhosale Nishikant B.	NBhosale	NBhosale	NBhosale	NBhosale	NBhosale	NBhosale	NBhosale	NBhosale	NBhosale	NBhosale
5	Mr. Pawar Rahul Y.	Rpawar	Rpawar	Rpawar	Rpawar	Rpawar	Rpawar	Rpawar	Rpawar	Rpawar	Rpawar
6	Mr. Randive Omkar K.	ORR	ORR	ORR	ORR	ORR	ORR	ORR	ORR	ORR	ORR
7	Mr. Patil Prathamesh P.	प्रथमेश	प्रथमेश	प्रथमेश	प्रथमेश	प्रथमेश	प्रथमेश	प्रथमेश	प्रथमेश	प्रथमेश	प्रथमेश
8	Mr. Nalawade Ajay	ANalawade	ANalawade	ANalawade	ANalawade	ANalawade	ANalawade	ANalawade	ANalawade	ANalawade	ANalawade
9	Mr. Pawar Yogesh	YBPawar	YBPawar	YBPawar	YBPawar	YBPawar	YBPawar	YBPawar	YBPawar	YBPawar	YBPawar
10	Miss. Borage Shivani	Borage	Borage	Borage	Borage	Borage	Borage	Borage	Borage	Borage	Borage
11	Miss. Mujawar Taiyaba N.										
12	Mr. Patil Prathmesh	RPPatil	RPPatil	RPPatil	RPPatil	RPPatil	RPPatil	RPPatil	RPPatil	RPPatil	RPPatil
13	Miss. Walwkar Manasvi	MANasvi	MANasvi	MANasvi	MANasvi	MANasvi	MANasvi	MANasvi	MANasvi	MANasvi	MANasvi
14	Mr. Nazare Aniket A.	Nazare	Nazare	Nazare	Nazare	Nazare	Nazare	Nazare	Nazare	Nazare	Nazare
15	Mr. Nandgiri Rajendra	RVnandgiri	RVnandgiri	RVnandgiri	RVnandgiri	RVnandgiri	RVnandgiri	RVnandgiri	RVnandgiri	RVnandgiri	RVnandgiri

[co-ordinator]

HOD
Civil Engineering
Sanjeevan Engineering & Technology Institute
Sanjeevan Nagar, Panhala, Dist. Kolhapur. (416 201)

ISTE, Approved One week National Level Workshop

On

"Municipal Submission Drawing Using CAD"

17 Jan. 2017 to 21 Jan. 2017

Organized by Civil Engineering Department

ATTENDANCE SHEET (Faculty Participant)

Sr. No	Name of participant	Day 1- 17/01/2017		Day 2- 18/01/2017		Day 3- 19/01/2017		Day 4- 20/01/2017		Day 5- 21/01/2017	
		Session 1	Session 2	Session 1	Session 2	Session 1	Session 2	Session 1	Session 2	Session 1	Session 2
1	Mr. Thorbole Amol S.										
2	Mr. Kadam Mahesh										
3	Mr. Patil Yashwant M.										
4	Mr. Kumbhar Shridhar										
5	Mr. More Sachin										
6	Ms. Sawant Tejaswini										
7	Mr. Mali Kuldeep										
8	Mr. Sajane Uttam D.										
9	Mr. Pathade Sachin										
10											
11											
12											
13											
14											
15											

[co-ordinator]

HOD
Civil Engineering
Sanjeevan Engineering & Technology Institute
Somwar Peth, Panhala, Dist. Kolhapur (416 201)

ISTE, Approved One week National Level Workshop
On
"Municipal Submission Drawing Using CAD"
17 Jan. 2017 to 21 Jan. 2017

Organized by Civil Engineering Department, SANJEEVAN ENGINEERIN & TECHNOLOGY INSTITUTE- Panhala

ISTE MEMBER LIST

Sr. No.	Name of Participant	Institute	email	Contact No.	ISTE No.	Reg. Fee	Sign
1	Prof. Thorbole Amol S.	RIT, Sakharale	amol.thorbole@ritindia.edu	8149867699	LM 113427	800.00	
2	Prof. Patil Yashwant M.	RIT, Sakharale	yashwant.patil@ ritindia.edu	9970700766	LM 44220	800.00	
3	Prof. Kumbhar Shridhar S.	RIT, Sakharale	shridhar.kumbhar@ritindia.edu	9860639519	LM 113425	800.00	
4	Prof. More Sachin K	RIT, Sakharale	sachin.more@ ritindia.edu	9970175887	LM 113432	800.00	
5	Prof. Sawant Tejaswini S.	AMGOI, Wathar	tejaswini.thorbole@gmail.com	7709995177	LM 98580	800.00	
6	Prof. Adure Gautam S.	BVCOE, Kolhapur	adure.gautam@gmail.com	7385765476	LM 87006	800.00	
7	Prof. Shinde Sagar M	SETI, Panhala	sagar.shinde@seti.edu.in	9146999557	LM 84686	800.00	
8	Prof. Mevekari Jabbar S	SETI, Panhala	jabbar.mevekari@seti.edu.in	9146999551	LM 92076	800.00	
9	Prof. Gavade Jagdish J	SETI, Panhala	jagdish.gavade@seti.edu.in	9146999552	LM 92075	800.00	
10	Prof. Momin Anarkali	SETI, Panhala	anarkali.momin@seti.edu.in	9146999549	LM 84684	800.00	
11	Prof. Bhosale Hemantkumar D	SETI, Panhala	hemantkumar.bhosale@seti.edu.in	9146999558	LM 84685	800.00	
12	Prof. Momin Mh. Illiyas H.	SETI, Panhala	Illiyasmomin@gmail.com	9146999550	LM 92077	800.00	
13	Prof. Salokhe Eknath P.	SETI, Panhala	eknath.salokhe@seti.edu.in	9146999555	LM 77545	800.00	
14	Prof. Khebudkar Aditya K.	SETI, Panhala	aditya.khebudkar@seti.edu.in	9146999548	LM 77532	800.00	
15	Prof. Thoke Amit C.	SETI, Panhala	amit.thoke@seti.edu.in	9146999547	LM 77543	800.00	

[Co-ordinator]

HOD
Civil Engineering
Sanjeevan Engineering & Technology Institute
Somwar Peth, Panhala, Dist. Kolhapur. (416 201)

Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Panhala, Tal. Panhala, Dist. Kolhapur-416201. (M.S.)

Website : www.seti.edu.in Ph. : 0231-2686665, 0231-2686600

Department of Civil Engineering

Certificate

ISTE Approved One Week National Level Workshop

This is to certify that, Mr. / Mrs. / Miss. _____

of _____ *Volunteered / participated in*

One Week National Level Workshop ` Municipal Submission Drawing Using CAD

Held On 17th January to 21st January 2017.

Prof. A. C. Thoke	**Prof. S. S. Chavan**	**Dr. G. V. Mulgund**
Co-ordinator	**Head, Civil Engg.**	**Principal**

Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Panhala, Tal. Panhala, Dist. Kolhapur-416201. (M.S.)

Website : www.seti.edu.in Ph. : 0231-2686665, 0231-2686600

Department of Civil Engineering

Certificate

ISTE Approved One Week National Level Workshop

This is to certify that, Mr. / Mrs. / Miss. Gavade Jagdish J

of SETI, Panhala *Volunteered / participated in*

One Week National Level Workshop ` Municipal Submission Drawing Using CAD

Held On 17th January to 21st January 2017.

Prof. A. C. Thoke	Prof. S. S. Chavan	Dr. G. V. Mulgund
Co-ordinator	Head, Civil Engg.	Principal

Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Panhala, Tal. Panhala, Dist. Kolhapur-416201. (M.S.)

Website : www.seti.edu.in Ph. : 0231-2686665, 0231-2686600

Department of Civil Engineering

Certificate

ISTE Approved One Week National Level Workshop

This is to certify that, Mr. / Mrs. / Miss. Pawar Yogesh

of SETI, Panhala *Volunteered / participated in*

One Week National Level Workshop ` Municipal Submission Drawing Using CAD

Held On 17th January to 21st January 2017.

Prof. A. C. Thoke	**Prof. S. S. Chavan**	**Dr. G. V. Mulgund**
Co-ordinator	**Head, Civil Engg.**	**Principal**

ISTE, Approved One week National Level Workshop
On
"Municipal Submission Drawing Using CAD"
17 Jan. 2017 to 21 Jan. 2017
Organized by Civil Engineering Department

CERTIFICATE DISTRIBUTION SHEET

Sr. No.	Name of participant	Institute	Sign
1	Miss. Bhosale Rajnanadini Vijaykumar.	SETI, Panhala	
2	Miss. Giri Neha Hindurav	SETI, Panhala	
3	Mr. Patil Rohan Ramesh	AMGOI, Wathar	
4	Mr. Bhosale Nishikant Bhagwat	AMGOI, Wathar	
5	Mr. Powar Rahul Yallappa	AMGOI, Wathar	
6	Mr. Randive Omkar Kiran.	AMGOI, Wathar	
7	Mr. Patil Prathamesh Pandit	SETI, Panhala	
8	Mr. Nalawade Ajay Ramchandra	SSDIT	
9	Mr. Pawar Yogesh Baban	SSDIT	
10	Miss. Borage Shivani Smbhaji	SETI, Panhala	
11	Miss. Mujawar Taiyaba N.	SETI, Panhala	
12	Mr. Patil Prathmesh Prabhakar	SETI, Panhala	
13	Miss. Walvekar Manasvi P	SETI, Panhala	
14	Mr. Nazare Aniket A.	SETI, Panhala	
15	Mr. Nandgiri Rajendra Kupendra	SETI, Panhala	
16	Mr. Desai Dheerajkumar Bhaskar	RIT, Sakharale	
17	Prof. Thorbole Amol S.	RIT, Sakharale	
18	Prof . Kadam Mahesh S.	RIT, Sakharale	
19	Prof . Patil Yashwant Mohan.	RIT, Sakharale	
20	Prof. Kumbhar Shridhar S.	RIT, Sakharale	
21	Prof. More Sachin Krishna.	RIT, Sakharale	
22	Prof. Sawant Tejaswini Shankar	AMGOI, Wathar	
23	Prof. Mali Kuldeep Prakash	RIT, Sakharale	
24	Mr. Sajane Uttam Dinkar.	DYP, Kolhapur	
25	Mr. Pathade Sachin Baburao	DYP, Kolhapur	
26	~~Mr.~~ Prof. Adure Gautam Suresh	BVCOE, Kolhapur	

[co-ordinator]

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Civil Engineering
Sanjeevan Engineering & Technology Institute
Panhala, Dist. Kolhapur. (416 201)

Sanjeevan Engineering & Technology Institute, Panhala
ISTE Approved One week National Level Workshop
On
"Municipal Submission Drawing Using CAD"
17 Jan. 2017 to 21 Jan. 2017

Workshop Feedback Form

Resourse Person: Prof. S. S. Chavan

NOTE: Tick marks the appropriate option.

Sr. No.	Question	Excellent	Better	Best	Average	Poor
1)	What is your overall assessment of the sessions?	☐	☑	☐	☐	☐
2)	The material was presented in an organized manner.	☐	☐	☑	☐	☐
3)	The instructor was a good communicator.	☑	☐	☐	☐	☐
4)	Did the workshop achieve the programme objectives?	☐	☑	☐	☐	☐
5)	Information gained from participation at this session?	☑	☐	☐	☐	☐

6) Please rate the following:

	Excellent	Very Good	Good	Fair	Poor
a. Visuals	☐	☑	☐	☐	☐
b. Acoustics	☐	☑	☐	☐	☐
c. Meeting space	☑	☐	☐	☐	☐
d. Handouts	☐	☑	☐	☐	☐
e. The program overall	☑	☐	☐	☐	☐

7) Which topics or aspects of the workshop did you find most interesting or useful?

Command. operation & design part is very nice

8) Comments and suggestions (including activities or initiatives you think would be useful, for the future)

– do proper arrangement

(Please return this form to the instructor or co-ordinator at the end of the workshop. Thank you.)

Sanjeevan Engineering & Technology Institute, Panhala
ISTE Approved One week National Level Workshop
On
"Municipal Submission Drawing Using CAD"
17 Jan. 2017 to 21 Jan. 2017

Workshop Feedback Form

Resourse Person: Prof. S. S. Chavan

NOTE: Tick marks the appropriate option.

Sr. No.	Question	Excellent	Better	Best	Average	Poor
1)	What is your overall assessment of the sessions?	☐	☐	☑	☐	☐
2)	The material was presented in an organized manner.	☑	☐	☐	☐	☐
3)	The instructor was a good communicator.	☑	☐	☐	☐	☐
4)	Did the workshop achieve the programme objectives?	☐	☑	☐	☐	☐
5)	Information gained from participation at this session?	☐	☑	☐	☐	☐

6) Please rate the following:

	Excellent	Very Good	Good	Fair	Poor
a. Visuals	☐	☑	☐	☐	☐
b. Acoustics	☐	☐	☑	☐	☐
c. Meeting space	☐	☑	☐	☐	☐
d. Handouts	☐	☐	☑	☐	☐
e. The program overall	☐	☑	☐	☐	☐

7) Which topics or aspects of the workshop did you find most interesting or useful?

1) To drafting the Section of the Building.

8) Comments and suggestions (including activities or initiatives you think would be useful, for the future)

1) No anyone Suggestions because all are good.

(Please return this form to the instructor or co-ordinator at the end of the workshop. Thank you.)

Sanjeevan Engineering & Technology Institute, Panhala
ISTE Approved One week National Level Workshop
On
"Municipal Submission Drawing Using CAD"
17 Jan. 2017 to 21 Jan. 2017

Workshop Feedback Form

Resourse Person: Prof. S. S. Chavan

NOTE: Tick marks the appropriate option.

Sr. No.	Question	Excellent	Better	Best	Average	Poor
1)	What is your overall assessment of the sessions?	☐	■	☐	☐	☐
2)	The material was presented in an organized manner.	☐	☐	■	☐	☐
3)	The instructor was a good communicator.	■	☐	☐	☐	☐
4)	Did the workshop achieve the programme objectives?	☐	☐	☐	■	☐
5)	Information gained from participation at this session?	☐	■	☐	☐	☐

6) Please rate the following:

	Excellent	Very Good	Good	Fair	Poor
a. Visuals	☐	☐	■	☐	☐
b. Acoustics	☐	☐	☐	☐	☐
c. Meeting space	☐	☐	■	☐	☐
d. Handouts	☐	■	☐	☐	☐
e. The program overall	☐	■	☐	☐	☐

7) Which topics or aspects of the workshop did you find most interesting or useful?

1) Drafting of the building.
2) Market scop of card.

8) Comments and suggestions (including activities or initiatives you think would be useful, for the future)

All the sections of workshope is very usefull and interesting but sir I want to suggest that take some plans a in actual marke and teach them how to draw the plan for municipal submission.

(Please return this form to the instructor or co-ordinator at the end of the workshop. Thank you.)

Thank-You!

Sanjeevan Engineering & Technology Institute, Panhala
ISTE Approved One week National Level Workshop
On
"Municipal Submission Drawing Using CAD"
17 Jan. 2017 to 21 Jan. 2017

Workshop Feedback Form

Resourse Person: Prof. S. S. Chavan

NOTE: Tick marks the appropriate option.

Sr. No.	Question	Excellent	Better	Best	Average	Poor
1)	What is your overall assessment of the sessions?	☐	☑	☐	☐	☐
2)	The material was presented in an organized manner.	☐	☑	☐	☐	☐
3)	The instructor was a good communicator.	☐	☑	☐	☐	☐
4)	Did the workshop achieve the programme objectives?	☐	☑	☐	☐	☐
5)	Information gained from participation at this session?	☐	☑	☐	☐	☐

6) Please rate the following:

	Excellent	Very Good	Good	Fair	Poor
a. Visuals	☐	☐	☑	☐	☐
b. Acoustics	☐	☐	☑	☐	☐
c. Meeting space	☐	☐	☑	☐	☐
d. Handouts	☐	☐	☑	☐	☐
e. The program overall	☐	☐	☑	☐	☐

7) Which topics or aspects of the workshop did you find most interesting or useful?

_____

_____

_____

8) Comments and suggestions (including activities or initiatives you think would be useful, for the future)

_____

_____

_____

(Please return this form to the instructor or co-ordinator at the end of the workshop. Thank you.)

Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur

Pin- 416 201. (Maharashtra) Phone : 0231 - 2686600, 21 Fax : 0231 - 2686629

■ Approved By AICTE - New Delhi ■ Recognized by Govt. of Maharashtra & DTE ■ Affiliated to Shivaji University, Kolhapur

Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in

EN 6315

Ref No:- SETI/2017/27

Date: 17/01/2017

To,
Ar. Amarja Nimbalkar.
Kolhapur.

Dear Madam,

We would like to extend our warm thanks to you for delivering lecture on "Muncipal Submission Drawing" during ISTE Approved One Week National Level Workshop on "Muncipal submission drawing by using CAD" on 17th January 2017. We hope will have more opportunity to be associated with you.

With warm regards,

Thanking You

Dr. G. V. Mulgund
PRINCIPAL

SANJEEVAN ENGG. & TECH. INSTITUTE PANHALA


Municipal Submission Drawing


seti


Sanjeevan Engineering &
Technology Institute, Panhala.
ISTE Approved One Week National Level Workshop
on
"Municipal Submission Drawing Using CAD"
17 Jan. 2017 to 21 Jan. 2017
Municipal Submission Drawing Using CAD
For Department of Civil Engineering


Sanjeevan Engineering &
Technology Institute, Panhala.


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// दैनिक पुढारी दि. 26/01/2017 //

'संजीवन'च्या सिव्हिल विभागाची कार्यशाळा

पन्हाळा (प्रतिनिधी) : येथील संजीवन अभियांत्रिकी महाविद्यालयात सिव्हिल विभागातर्फे म्युनसिपल सबमिशन ड्राईंग युजिंग कॅड या विषयावर पाच दिवसीय कार्यशाळा आयोजित करण्यात आली होती. या कार्यशाळेसाठी प्रमुख पाहुण्या म्हणून आर्किटेक्चर अमरजा निंबाळकर होत्या. कार्यशाळेत अमरजा निंबाळकर व प्रा. एस. एस. चव्हाण यांनी मार्गदर्शन केले. या कार्यशाळेत सरकारी ऑफिसमध्ये बांधकाम रेखांकनाच्या मंजुरी साठी तयार करण्यात येणारा आराखडा व त्याची नियमावली यांचा अभ्यास कॅड या सॉफ्टवेअरद्वारे सविस्तर माहितीच्या आधारे देण्यात आला. सदर कार्यशाळेचा लाभ महाविद्यालयातील प्राध्यापक, विध्यार्थी यांच्यासह परिसरातील विद्यापिठा अंतर्गत विविध इंजिनिअरिंग महाविद्यालयातील प्राध्यापक व विध्यार्थी यांनी घेतला. कार्यशाळेचे आयोजन प्रा. अमित ठोके व सिव्हिल विभागाच्या सर्व शिक्षक व शिक्षकेतर कर्मचारी यांनी केले होते. कार्यशाळेसाठी विभागप्रमुख प्रा. एस. एस. चव्हाण, महाविद्यालयाचे प्राचार्य डॉ. जी. व्ही. मुलगुंद तसेच चेअरमन पी. आर. भोसले व सहसचिव एन. आर. भोसले यांचे मोलाचे मार्गदर्शन लाभले.

Sr. No.	Name Of Student	Institute Name	TUES, 27/12/2016		WED, 28/12/2016			THU, 29/12/2016		
			Session I	Session II	Session I	Session II	Session III	Session I	Session II	Session III
33	Kapdi Danish N	SETI								
34	Gurunath Shinde	DACE								
35	Megharaj Chavan	SETI								
36	Vikas P. Patil	SETI								
37	Mahesh Mane	PVPIT								
38	Yogesh Ingale	BVCOE								
39	Mule Narendra	SETI								
40	Mali Rohan V	SETI								
41	Jamadar Sohel S.	SETI								
42										
43										
44										
45										
46										
47										
48										
49										
50										

Coordinator

H.O.D

Sr. No.	Name Of Student	Institute Name	TUES, 27/12/2016		WED, 28/12/2016			THU, 29/12/2016		
			Session I	Session II	Session I	Session II	Session III	Session I	Session II	Session III
15	Patil shivraj . S.	SETI								
16	Yadlau prathemesh . B	SETI								
17	Chavan Akash . S.	SETI								
18	Madral vinayak . R.	SETI								
19	Kore Onkar . D.	SETI								
20	Chougle vaibhav . M.	SETI								
21	Jagdale Omkar . C.	SETI								
22	Patil omkar . B.	SETI								
23	Topugade Rohan . M.	TKITFT								
24	Ghagare Sagar . D.	ADCET								
25	Lad ketan . S.	SETI								
26	Nangare sudhir . D.	SETI								
27	Shinde Jitendra	Bharati								
28	Mane shubham kumar	SETI								
29	More siddhesh . V.	SETI								
30	Agle shubham . D.	SETI								
31	Waychal Akshay . R.	SETI								
32										

Coordinator

H.O.D

Students (1)

ISTE one week STTP

on

COMPUTATIONAL METHODS FOR ENGINEERING APPLICATIONS (CMEA 2016)

27th To 31st Dec 2016

Attendance Sheet (Student)

Sr. No.	Name Of Student	Institute Name	TUES, 27/12/2016		WED, 28/12/2016			THU, 29/12/2016		
			Session I	Session II	Session I	Session II	Session III	Session I	Session II	Session III
1	Deokar Vinayak . H.	DYPIET								
2	Desai Ruturaj . S.	SETI								
3	Pawar shrutika . A.	SETI								
4	Patil Shubham . M.	SETI								
5	Palkar prathemesh . G.	SETI								
6	Nalwade Amrendra . Y.	SETI								
7	Khebude karan . N.	SETI								
8	Jadhav shubham . S.	SETI								
9	Makandar Abidali . M.	SETI								
10	Salokhe suraj . A.	SETI								
11	Paunikar pranit . A.	SETI								
12	Jadhav shubham . U.	SETI								
13	Chougle Pranav . B.	SETI								
14	Shaikh Yunus . H.	SETI								

Coordinator

H. O. D

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Founder & Chairman, Holy-wood Academy, Kolhapur

PATRON

Hon'ble Shri. N. R. BHOSALE
Joint Secretary, Holy-wood Academy, Kolhapur

CHAIRMAN

Dr. G. V. MULGUND - Principal

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Mr. S. L. Ghodake
HOD, Automobile Engineering Department

COORDINATORS :

Mr. Manik A. Patil
Assistant Professor,Automobile Engineering Department

Mr. Muzammil M. Bepari
Assistant Professor, Automobile Engineering Department

Mr. Digvijay G. Bhosale
Assistant Professor, Automobile Engineering Department

RESOURCE PERSONS :

Mr. Sundaram
Engineering Head, Extencore Solutions Pvt. Ltd., Pune

Mr. Krishnat S. Patil
Advanced Sub-system Design Integrator
Rolls-Royce India Pvt. Ltd., Bengaluru

Mr. R. M. Shinde
Assistant Professor, RIT, Rajaramnagar, Islampur

Mr. Vaibhav H. Bansode
Assistant Professor, SKNCOE, Vadgaon, Pune

Mr. Sagar B. Mane Deshmukh
Assistant Professor, SKNCOE, Vadgaon, Pune

Registration

The participants should send the applications (Hard and Scan copy) in the specified format (enclosed here to reach the Coordinators via post or e-mail latest 23rd Dec. 2016.

Last date of Registration : 23rd Dec. 2016

Registration Fee

Participants from Academics/ R&D/Academic Institutions	**: Rs. 1200/-**
Student Participants	**: Rs. 500/-**

Accommodation

Arrangements for accommodation will be made on request in hostel. Necessary help will be given by the organizers.

Contact for Registration

Mr. Manik A. Patil
Email: manik.patil@seti.edu.in
Mobile: +91-9146999584/ 9422358551

Mr. Muzammil Bepari
Email: muzammil.bepari@seti.edu.in
Mobile: +91-9146999581/ 9975639858

Mr. Digvijay G. Bhosale
Email: digvijay.bhosale@seti.edu.in
Mobile: +91-9146999578/ 7798099031

Holy-wood Academy, Kolhapur's
Sanjeevan Engineering & Technology Institute
Sanjeevan Knowledge City, Panhala,
Tal. Panhala, Dist. Kolhapur-416201. (Maharashtra)
Ph.: 0231-2686665, 0231-2686600 Fax :0231-2686629
Website : www.seti.edu.in

SHORT TERM TRAINING PROGRAMME

ON

COMPUTATIONAL METHODS FOR ENGINEERING APPLICATIONS

(CMEA 2016)

Self Financing STTP
Approved by

INDIAN SOCIETY FOR TECHNICAL EDUCATION

FOUNDED 1968

27th to 31st December, 2016

Organized by

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Panhala,
Tal. Panhala, Dist. Kolhapur-416201. (M.S.)

Website : www.seti.edu.in
Ph. : 0231-2686665, 0231-2686600

Holy-wood Academy Kolhapur's

Sanjeevan Engineering And Technology Institute, Panhala

Sanjeevan Knowledge City, Somwar Peth, Panhala. Tal: Panhala, Dist : Kolhapur - 416 201

SHORT TERM TRAINING PROGRAMME

| Approved By |

Indian Society of Technical Education

CERTIFICATE

This is to certify that

Dr./Prof./Mr. /Miss. Chaugule Vaibhav M *from* SETI, Panhala.

Participated in the programme ***" COMPUTATIONAL METHODS FOR ENGINEERING APPLICATIONS (CMEA - 2016)"***

during 27th Dec. to 31st Dec. 2016 organized by Automobile Engineering Department at

Sanjeevan Engineering & Technology Institute, Panhala.

Prof. M. A. Patil	Prof. D. G. Bhosale	Prof. M. M. Bepari	Prof. S. L. Ghodake	Dr. G. V. Mulgund
(Coordinator)	(Coordinator)	(Coordinator)	(HOD)	(Principal)

AUTOMOBILE

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE	One Week STTP On **Computational Methods for Engineering Applications (CMEA 2016)** Approved by ISTE

FEEDBACK FORM

A] TECHNICAL ASPECTS [On the scale of 1 to 5: 5 being highest] [Please tick appropriately]

Sr. No.		1	2	3	4	5
1	Content of STTP					✓
2	Selection of Speaker				✓	
3	Depth of knowledge of speaker					✓
4	Quality of lectures					✓

B] NON-TECHNICAL ASPECTS [On the scale of 1 to 5: 5 being highest] [Please tick appropriately]

Sr. No.		1	2	3	4	5
1	Accommodation				✓	
2	Food					✓
3	Facilities at venue				✓	
4	Assistant/Response to your need					✓

C] OVERALL RATING [On the scale of 1 to 5: 5 being highest] [Please tick appropriately]

1	2	3	4	5
				✓

Any Suggestions:	shubham mane

Name Of Participant:	shubham mane
Signature:	shmane

Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur

Pin- 416 201. (Maharashtra) Phone : 0231 - 2686600, 21 Fax : 0231 - 2686629

Approved By AICTE - New Delhi ▪ *Recognized by Govt. of Maharashtra & DTE* ▪ *Affiliated to Shivaji University, Kolhapur*

Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in

EN 6315

Date: 22nd Dec. 2016

To,

Mr. Krishnat S. Patil

Advanced Sub-system Design Integrator,

Rolls-Royce India Pvt. Ltd., Bengaluru

Subject: Invitation forone week short term trainingprogramme (STTP)on "Computational Methods for Engineering Applications (CMEA 2016)"

Respected Sir,

On behalf of our institute, we are very pleased to have the honor of inviting you to our institute for one week STTP on "**Computational Methods for Engineering Applications (CMEA 2016)**". We have organizingthe workshop for all the Faculty members from various Engineering Institutes along with students during 27thTo 31st December 2016. We expect you to share your knowledge of Finite Element Analysis and Computational Fluid Dynamics on 31st Dec. 2016.

Please accept our invitation and give your auspicious presence for the same.

Thanking you.

Yours Faithfully,

Prof.M.A.Patil
Program Coordinator

Prof.S.L.Ghodake
H.O.D, Auto.Engg.


seti
SHORT TERM TRAINING PROGRAM
(Self Finance Basis) on

About the Institution

Sanjeevan Engineering and Technology Institute (SETI) is an establishment of Sanjeevan, meets the needs of technology driven modern 21st Century. The Institute is approved by All India Council for Technical Education, New Delhi, recognized by Directorate of Technical Education, Govt. of Maharashtra and affiliated to Shivaji University, Kolhapur. Sanjeevan Engineering & Technology Institute (SETI) is long cherished dream of Founder-Chairman Mr. P. R. BHOSALE, an educationalist having experience about two decades. His aim is to impart quality education to the students from nook and corner of the country.

Holy-wood Academy, Kolhapur known as Sanjeevan Knowledge City, Panhala, has the wings : Sanjeevan Public School, Sanjeevan Vidyaniketan, Chhatrapati Shivaji Junior College and Sanjeevan Engineering & Technology Institute (SETI).

SETI established in 2009, within shortest period of time, it has evolved into an institution imparting quality in technical education at undergraduate level. It has 6 UG & 2 PG, 2 Diploma departments about 96 talented, experienced and dedicated faculty and over 1500 students and several centers of excellence. SETI has an excellent ambience of library with digital mode and online journals, advanced Core-2 Duo Computer Lab and language lab, WI-Fi Campus, modern approach and necessary equipments in laboratories, hospital, gymnasium, swimming pool, and outdoor stadium, bus facility for students and faculty from Kolhapur .

About the STTP theme

Now a days, FEA and CFD basic knowledge and software has become very essential tools for engineering professionals as well as scientists/researchers to develop simulation models,to perform analysis,for optimization & decision making.Knowledge of using modeling packages like AutoCAD, Pro/E, SolidWorks, CATIA etc. is not sufficient. Engineering professionals, scientists and researchers are also expected to know, how to control the solution of the problems and customizing it as per the requirement. Many times data exchange between different software packages has become necessity to utilize expertize of different software packages & requires a neutral software tool like ANSYS, LS Dyna, Fluent etc to take the input from software, perform computations & also, output the results to another software package. FEA and CFD are excellent tools for visualisation, manipulation & interpretation of engineering data as well as performing various real life problems computations.

The workshop information brochure can be download from our website www.seti.edu.in

Who should attend

Faculty members/research scholars from academic Institutes and Scientists/Engineers working in Private/Public/Government Organizations/Industries, Research & Development establishments etc. can attend the workshop. As the training program is of interdisciplinary in nature, students of disciplines likeMechanical Automobile, etc. are encouraged to participate. This workshop will provide preliminary and advanced knowledge about the use and application of FEA/CFD with real time problems and their solutions. All sessions are designed in such way that participants of various disciplines and with or without knowledge of FEA/CFD software can use it effectively.

Course contents

- Introduction to computational methods and it's applications
- Overview of different computational methods
- Application and importance of computational / Numerical analysis in real world design
- Introduction of CFD
- Applications of CFD
- Basic Governing Equations used in CFD
- General procedure to solve problems in any CFD software
- Hands on Fluid flow and Heat Transfer problems in Fluent Software.
- Introduction/ Overview of basic fundamentals of FEA and advanced FEA
- Modeling and analysis of real life problems in structural, thermal etc
- Hands on training with ANSYS
- Case studies on various 1D , 2D and 3D problem
- Application of FEA /CFD in real world design – Gas Turbine Engine Design
- Aviation Perspective in FEA / CFD

After successfully completed this STTP, participants are able:

1. To perform analysis, for optimization and decision making for real life engineering problems using advanced design tools like FEA and CFD software.
2. To control the solution of the problems & customizing it as per the requirement with best feasible balance between computation time and accuracy of the solution.

Sanjeevan Engineering & Technology Institute, Panhala

Registration Form....

COMPUTATIONAL METHODS FOR ENGINEERING APPLICATIONS (CMEA 2016)

27th to 31st December, 2016

Name : Agale Shubham Dhanaji

Institution / Organization : SETI, Panhala

Department : Automobile

Designation : Student

Address for correspondance : Laxmi colony, room no 3/1/9, Tembalaiwadi, kolhapur

E-mail : shubhamagale0101@gmail.com

Contact No. : 8055652375

Details of Registration Fee :

DD No. _____, Amount Rs. 500/-

Bank Name _____

Date : _____

Place : Panhala

Date : 22/12/2016

Signature of Applicant

NOTE : The Applicant Mr. Mrs. _____

Will be permitted to participate in the above Faculty Development Programme by paying Rs. 1200/- or 500/- in cash or DD in favour of " Sanjeevan Engineering and Technology Institute, Panhala" drawn on any nationalised bank.

Seal

Sign. Head of Institution

SHORT TERM TRAINING PROGRAMME

COMPUTATIONAL METHODS FOR ENGINEERING APPLICATIONS (CMEA 2016)

27th To 31st Dec 2016

Date/Time	10.00-11.30 am	TEA & DISCUSSION	11.45 to 1.15 pm	LUNCH	2.00-4.00 pm
27/12/2016	**Inaugural Function (10.30 to 11.15 am)**		Introduction to computational methods and it's applications, Overview of different computational methods **Mr. R. M. Shinde RIT, Islampur**		Application and importance of computational / Numerical analysis in real world design **Mr. R. M. Shinde RIT, Islampur**
28/12/2016	Introduction and Applications of CFD Basic Governing Equations used in CFD **Mr. R. M. Shinde RIT, Islampur**		General steps to solve problems in any CFD software Fluid flow and heat transfer problems in Fluent software **Mr. R. M. Shinde RIT, Islampur**		Fluid flow and heat transfer problems **Mr. R. M. Shinde RIT, Islampur**
29/12/2016	Introduction/ Overview of basic fundamentals of FEA and advanced FEA **Mr. Prasad Chavan Extencore Solutions Pvt. Ltd., Pune**		Machine Design and Finite Element Analysis **Mr. Rayees Haveri Design Engineer Cummins Power Generation, Daventry, U. K.**		Modeling and analysis of real life problems in structural,thermal etc **Mr. Prasad Chavan Extencore Solutions Pvt. Ltd., Pune**
30/12/2016	Modeling and analysis of real life problems in structural,thermal etc **Mr. Shritej Kalas Extencore Solutions Pvt. Ltd., Pune**		Case studies on various 1D , 2D and 3D problem **Mr. Shritej Kalas Extencore Solutions Pvt. Ltd., Pune**		ANSYS - 1D,2D and 3D FEA problems, Nonlinear problems solution controls **Mr. Digvijay G. Bhosale SETI, Panhala**
31/12/2016	Application of FEA /CFD in real world design – Gas Turbine Engine Design **Mr. Krishnat Patil Rolls-Royce India Pvt. Ltd. Bengaluru**		Aviation Perspective in FEA / CFD **Mr. Krishnat Patil Rolls-Royce India Pvt. Ltd. Bengaluru**		**Valedictory Function**

On Tuesday 27-12-2016- 9.30 to 10.30 am - Registration

Date: 10/03/2016

To,

The Principal
SETI, Panhal.

Subject: Regarding Expenditure of Faculty Development Program.

Respected Sir,

I undersigned Prof. J. B. Metkari working as Asst. Prof. & HOD CSE department. The department had organized one week FDP on "Data Mining and Hadoop" during 29th Dec 2015 to 2nd Jan 2016. For the same I had taken Rs. 10000/- as advance from the Institute. The details of expenditure is given below:

Sr. No.	Particular	Amount
1.	Resource Person Remuneration Dr. P. J. Kulkarni	5000/-
2.	Resource Person Remuneration Dr. D. V. Kodavade	4000/-
3.	Registration Kit for Participants 1. 25 Pads 2. 25 Folders 3. 25 Pens	1000/-
Total		10000/-

Bills for the same are attached herewith. So kindly consider my application and do the needful.

Thanking you.

Yours Faithfully,

10/3/16

Prof. J. B. Metkari

To A/c for Settlement

10/3

Sanjeevan Engineering and Technology Institute, Panhala.

Department of Computer Science and Engineering.

Tentative Budget for "Data-Mining & Hadoop" Workshop

Sr. No.	Particulars	Details	Tentative Budget	Precisely Amount
1	Printing of Workshop Brochures	1260/-	1260/-	1260
2	Postage of Brochures 1. DD To ISTE with charges 2. Postage & Courier 3. Postage to ISTE	 578 570 80	1000/-	1228
3	Registration Kit For Participants 1. 25 Pads 2. 25 Bags 3. 30 Pen	 600 500 150	1000/-	1250
4	Tea & Biscuits	250*5=1250/-	1250/-	540
5	Resource Person Remunerations	Dr. PJK=5000/- Dr. DVK=4000/- Computer World=7000/-	16000/-	16000
6	Digital Banner & Certificate Printing 1. 6*4 Flex 2. 3*3 Flex 3. 4*3 Flex 4. 25 certificate	 1. 240 2. 180 3. 120 4. 250	500/-	790
7	Inaugural Function Coconut, Rangoli, Flowers etc.	250*1=250/-	250/-	250
8	Diesel	1250	800/-	1250
9	Breakfast for Resource person	180	180	180
9	ISTE Fees Per Participant	150*12=1800/-	1800/-	1800
10	Photo	250	200	200
11	Courier & DD Charges	75+70=150	150	150
Total Ammount-			24390	24898

(Mr. P. S. Landge)

HOD
Computer Engineering
Sanjeevan Engineering & Technology Institute
Somwar Peth, Panhala, Dist. Kolhapur. (416 201)

Sr. No.	Total Collection Of Amount	Total Amount
1	Student 7 * 600	4200
2	ISTE Faculty 14 * 800	11200
3	Non ISTE Faculty 02 * 1000	2000
4	Fund from Institute	10000
	Total	27400

Total collection of Amount =27400

Total expenditure Amount= 24898

Total Remaining Amount = 2502 (Submitted to HOD)

HOD
Computer Engineering
Sanjeevan Engineering & Technology Institute
Somwar Peth, Panhala, Dist. Kolhapur. (416 201)

(Mr. P. S. Landge)

Received and deposited to dept. fund Rs. 2502/-

HOLY-WOOD ACADEMY'S

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

STTP on
"Data Mining & Hadoop"
INDEX

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TO : KP207 College of Engg. Off. Carter Road, Bandra (west) Mumbai - 400050
MOB. : PH. :

ORIGIN	DESTINATION
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AIR
SURFACE

DETAILS	AMOUNT
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F.S	
S. Tax	
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MOB. : PH. :

TO : Yashwantrao Chavan College of Engg. Hingna Road, Wanadongri Nagpur - (44)110
MOB. : PH. :

ORIGIN	DESTINATION
PUNE-A	

CASH
CREDIT
AIR
SURFACE

DETAILS	AMOUNT
Tariff	
F.S	
S. Tax	
Others	
Total	50

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MOB. : PH. :

TO : Government College of Engg. Amravati Kathora Naka, Amravati - (444604)
MOB. : PH. :

ORIGIN	DESTINATION
PUNE-A	

CASH
CREDIT
AIR
SURFACE

DETAILS	AMOUNT
Tariff	
F.S	
S. Tax	
Others	
Total	50

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I warrant that all details given herein are true and correct and agree to abide by the terms & condtions written overleaf.
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भारतीय तकनीकी शिक्षा संस्था
INDIAN SOCIETY FOR TECHNICAL EDUCATION
(Under the Societies' Registration Act XXI of 1860)

Prof. Vaidya Vijay Dattatray
Executive Secretary

ISTE/Proceedings/STTP-SF/2015-16 December 23, 2015

Proceedings of Executive Secretary, ISTE

Sub. : Sanction to conduct full time Short-term Training Programme on Self-financing basis for the financial year 2015-2016.

Sanction is hereby accorded to the following institution for the conduct of the programme indicated below:

Name of Institution	:	Sanjeevan Engineering & Tech. Institute Kolhapur – 416 201
Topic	:	Data Mining & Hadoop
Name & Address of Coordinators	:	Prof. P.S. Landge Prof. Computer Science Engg. Dept.
Duration	:	One Week (Minimum 05 Working Days)
Proposed dates	:	29-12-2015 to 02-01-2016

Terms and Conditions

1. The institution offering the Programme should have an ISTE Chapter with at least 25 ISTE members as on the date of commencement of the programme.
2. Only ISTE members are allowed to attend this programme.
3. There will be no financial commitment on the part of ISTE on account of this programme.
4. The course will be full time and of duration 1week / 2 weeks / 4 weeks.
5. The proposal will be scrutinized by Experts and if approved, the approval will be communicated to the Coordinator. The Section Chairman / Executive Council Member may monitor the programme and send an independent report to ISTE Headquarters if called for. ISTE Headquarters reserves the right to decline the approval without assigning reasons.

--/-

Shaheed Jeet Singh Marg, Near Katwaria Saria, New Dehli – 110 016
Phone: 91-11 26513542, 26963431, 26514234, Fax: 91-11 26852421, E mail: istedhq@vsnl.net, Website: www.isteonline.in

CSE Dept 2/1

6. A processing & operational charges of Rs.150/- per participant is to be paid to ISTE Headquarters along with the final report mentioned in Item 8 below. This is about 15% of the operational charges of Rs.1050/- per participant fixed by AICTE for Summer / Winter Schools to meet this processing and operational expenses.

7. The registration fee of the participants may be fixed by the host institution.

8. Within 15 days after completion of the Programme the final report including list of participants (with their ISTE Membership Number of filled up application forms for ISTE membership with requisite fee), schedule of the programme with dates, copy of the certificate issued and copy of course notes must be sent to ISTE Headquarters alongwith processing & operational charges as mentioned in point 6 above. via DD in favour of "**ISTE**" New Delhi.

9. The Certificate may be issued by the Head of the host institution quoting ISTE Sanction Order. The certificate should contain the ISTE emblem at the top and should read "This is to certify that _____attended a short term course on_____ sponsored by ISTE during _____at_____.

Executive Secretary

To,

The Principal
Sanjeevan Engineering & Technology Institute
Sanjeevan Knowledge City, Somwar Peth-Injole
Panhala, Tal: Panjala, Dist. Kolhapur – 416 201
Maharashtra State

Copy to :

Prof. P.S. Landge
Coordinator
Sanjeevan Engineering & Technology Institute
Sanjeevan Knowledge City, Somwar Peth-Injole
Panhala, Tal: Panjala, Dist. Kolhapur – 416 201
Maharashtra State

Holy-wood Academy

Sanjeevan Engineering & Technology Institute, Panhala

ISTE Approved

One week National Level Workshop

On

Data Mining & Hadoop

29th Dec. to 2nd Jan. 2016

Organized by

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

REGISTRATIONS DETAIL

Sr.No	Name of Participant	College/ Institute	Faculty/ Research Scholar/ UG/PG Student	ISTE Membership (Y/N)	ISTE Membership No.	Email_id	Contact No.	Sign
1	Mangesh M. Hajare	SETI, Panhala	Faculty	Y		mangesh.hajare@seti.edu.in	8087613855	
2	Ajay T Khot	SETI	student(UG)	N		khotajay44@gmail.com	9049118298	
3	Achal A. Mullani	SETI	Student	N		achalmullani2362@gmail	9049053052	
4	Prawin P. Chothe.	FTCOER.	faculty.	Y	LM-82773	prawin291283@gmail.com	8408888514	
5	Swapnil A. More	SETI	student	N		more.swapnil702@gmail.com	7798361406	
6	Bhaskar. P. Sabnis	SETI	student	N		sabnispoasadk@gmail.com	9637364202	
7	Shreyas Badadi	SETI	Student	N		Badadishreyas33@gmail	9767003944	
8	Bharat Sharma	SETI	Student	N		Sharma.seti@gmail.com	9130303091	
9	Piyush. S. Agarwal	SETI	Student	N		piyush.agarwal23.pa@gmail.com	9028900808	
10	Chaitanya B. Pednekar	SGMCOE	Faculty	Y	LM-86999	chaitanyap8570@gmail.com	8237785676	
11	S.A. Babar	SETI	Faculty	N		samrat.babar@setiedu.in	9226712224	
12	Miss. P.L. Gaikwad.	SETI	Faculty	Y		priyanka.gaikwad@seti.edu.in	9657738731	
13	Y.D. Gavali	SETI	Faculty	Y				
14	R.S. Nejkar	SETI	Faculty	Y		rahul.nej@gmail.com	9960095071	
15	ME. P.S. Landge	— " —	— " —	Y		pramod.landge@gmail.com	9689978834	
16	Mrs S.N.	— " —	— " —	Y		moresunil01@gmail.com	9158584295	
17	Hogade G.B.	SETI	Faculty	Y	LM92082	ganesh.hogade2@gmail.com	9146999569	
18	P.R. kamble	SETI	Faculty	Y		pratikamble.cse@gmail.com	9850320362	
19	A.S. Belekar	— " —	— " —	Y		belekar.amol.s@gmail.com	7218900400	
20	R.S. Kamble	JJMCOE	faculty	N		ravikamble13@gmail.com	9766893645	
21	D.A. Nikam	JJMCOE	faculty	Y	LM84850	d-a-kale@yahoo.co.in	9763998242	
22	U.H. kamble	IJMCOE	— " —	Y	LM84852	vayurinhk@gmail.com	9766585580	
23	J.B. Metkari	SETI	— " —	Y	LM51479	jbm.edect@gmail.com	8605074557	

DATA-MINING AND HADOOP WORKSHOP SCHEDULE

SCHEDULE DETAILS	TIMING
DAY 1: Session 1:Overview of Data-Mining. : By Dr. P. J. Kulkarni. Session 2 : Panhala Fort Visit.	 11:00 am to 01:00 pm 02:00 pm to 04:00 pm
DAY 2: session 1- Data Mining Need and Challenges Session II- Data Exploration & Classification Techniques Session III Basic cluster analysis : Techniques : By Dr. D. V. Kodavade	 11:00 am to 01:00 pm 02:00 pm to 04:00 pm
DAY 3: Session 1 1.What is Big data? 4.Big Data Technologies . 2.What comes under Big Data? 5Big Data Challenges 3.Benefits of Big Data? Session 2 1. Traditional approach 4. What is Hadoop ? 2. Why DFS? 5. History of Hadoop . 3. What is DFS? 6. Installation .	 11:00 am to 01:00 pm 02:00 pm to 04:00 pm

DATA-MINING AND HADOOP WORKSHOP SCHEDULE

DAY 4: Session 1 1. Core Component of Hadoop 2. HDFS 3. MapReduce 4. And other component Overview e.g PIG, HIVE, HBASE etc. 5. What is HDFS? 6. HDFS Component (Five Deamons) 7. HDFS Architecture	11:00 am to 01:00 pm
Session 2 Remaining installation and Example	02:00 pm to 04:00 pm
Day 5 Session 1 1. Pig Basic 2. Install and configure PIG on cluster 3. 1 Example	11:00 am to 01:00 pm
Session 2 1. Introduction of Hive 2. Why Hive? 3. Hive at Facebook 4. Hive Architecture 5. Install and configure hive on cluster Simple example	02:00 pm to 04:00 pm

Holy-wood Academy

Sanjeevan Engineering & Technology Institute, Panhala

ISTE Approved

One week National Level Workshop

On

Data Mining & Hadoop

29th Dec. to 2nd Jan. 2016

Organized by

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Attendance Sheet

Resource Person:-Dr. P. J. Kulkarni **Date:- 29/12/2015**

Sr. No.	Name of Participant	Session 1	Session 2	Session 3
1.	Miss. Gaikwad P.L.			
2.	Miss Bachate Komal Anarda			
3	Shreyas Baddi			
4	Swapnil A. More			
5	Ajay T. Khot			
6	Bhaskar P. Sabnis			
7	Achal A. Dhullani			
8	Bharat Sharma			
9.	Piyush S. Agarwal			
10	S. A. Babar			
11	R. S. Nejkar			
12	P. P. Mothe			
13	G. B. Mogade.			
14	C. B. Pednekar			
15	Ashish E. Mane			
16	Y. D. Gavali			
17	M. M. Hajare			
18	A. S. Belekar			
19	P. R. Kamble			
20	P. S. Landge			
21	S. N. Mane			
22	R. S. Kamble			
23	Uday Kamble			
24	D. A. Nikam			

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Attendance Sheet

Resource Person:-Dr. D. V. Kodavade **Date:- 30/12/2015**

Sr. No.	Name of Participant	Session 1	Session 2	Session 3
1	shreyas R. Badde			
2	Swapnil A. More			
3	Bhaskar P. Sabnis			
4	Adsul A. Mullani			
5	Bharat Sharma			
6	Piyush S. Agarwal			
7	Ajay T. Khot			
8	Mangesh M. Hajare			
9	P R Kamble			
10	G. B. Hogade.			
11	P. S. Landge			
12	J. B. Mekkari			
13	Y. D. Gavali.			
14	R. S. Nejkar			
15	S. A. Babar			
16	Miss. P. L. Gaikwad			
17	R. S. Kamble			
18	A. S. Belekar			
19	Uday. Kamble			
20	Dr. B. Pednekar			
21	D. A. Nikam			

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Attendance Sheet

Resource Person:-Computer World, Kolhapur (Mr. Sangram Patil & Team)		Date:- 31/12/2015		
Sr. No.	**Name of Participant**	**Session 1**	**Session 2**	**Session 3**
1	Ajay Tukaram Ichot			
2	Swapnil Ashok More			
3	Shreyas Rajendra Badde			
4	Piyush Sudhir Agarwal			
5	Amol S. Belekar			
6	R.S. Kamble			
7	D.A. Nikam			
8	R.S. Nejkar			
9	P.L. Gaikwad			
10	Bharat Sharma			
11	Achal Mullani			
12	Bhaskar Sabnis			
13	P.R. Kamble			

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Attendance Sheet

Resource Person:-Computer World, Kolhapur **Date:- 01/01/2016**

(Mr. Sangram Patil & Team)

Sr. No.	Name of Participant	Session 1	Session 2	Session 3
1	Ajay Tukaram Khot			
2	Swapnil Ashok More			
3	Shreyas Rajendra Badde			
4.	Ayush Sudhir Agarwal			
5	Amol S. Belekar			
6	R.S. Kamble			
7	D.A. Nikam			
8	R.S. Nejkar			
9.	P.L. Gaikwad			
10	Bharat Sharma			
11	Achal Mullani			
12	Bhaskar Sabnis			
13	P.R. Kamble			

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29th Dec. to 2nd Jan. 2016

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Attendance Sheet

Resource Person:-Computer World, Kolhapur (Mr. Sangram Patil & Team)			**Date:- 02/01/2016**	
Sr. No.	**Name of Participant**	**Session 1**	**Session 2**	**Session 3**
1	Ajay Tukaram Khot			
2	Swapnil Ashok More			
3	Shreyas Rajendra Badda			
4.	Piyush Sudhir Agarwal			
5	Amol S. Belekar			
6	R.S. Kamble			
7	D.A. Nikam			
8	R.S. Nejkar			
9.	P.L. Gaikwad.			
10	Bharat Sharma			
11	Asad Mullani			
12	Bhaskar Sabnis			
13	P. R. Kamble			

Computer World

Susham Heritej, Pach Bangala, Railway Phatak, Kolhapur - 416001

Contact : 0231- 6687888, Website - www.computerworldgroup.com

Email : admin@computerworldgroup.com

HADOOP WORKSHOP CONTENT

DAY 1:

Session 1

- What is Big data?
- What comes under Big Data?
- Benefits of Big Data?
- Big Data Technologies
- Big Data Challenges
- Traditional approach
- Why DFS?
- What is DFS?
- What is Hadoop?
- History of Hadoop

Session 2

- Installation
  (All Basic software and OS (Ubuntu 12.04))

DAY 2:

Session 1

- Core Component of Hadoop
  - HDFS
  - MapReduce
  - And other component Overview e.g PIG, HIVE, HBASE etc.
- What is HDFS?
- HDFS Component (Five Deamons)

- HDFS Architecture

1) What is MapReduce? And MapReduce Programming.

Session 2

Remaining installation and 1 Example

Day 3

Session 1

- Pig Basic
- Install and configure PIG on cluster
- 1 Example

Session 2

- Introduction of Hive
- Why Hive?
- Hive at Facebook
- Hive Architecture
- Install and configure hive on cluster
- Simple example

Address:- 1114 A/3 , Susham Heritej, Behind Royal Courts, Shahupuri, Pach Bangala, Kolhapur 416001.
Web :- www.computerworldgroup.com
Email :- computerworldgs@gmail.com
PH :- 8888163055, 9689869731

Sanjeevan Engineering and Technology Institute, Panhala.

Department of Computer Science and Engineering.

Tentative Budget for "Data-Mining & Hadoop" Workshop

Sr. No.	Particulars	Details	Tentative Budget
1	Printing of Workshop Brochures	1260/-	1260/-
2	Postage of Brochures	100*10=1000/-	1000/-
3	Registration Kit For Participants	40*25=1000/-	1000/-
4	Tea	250*5=1250/-	1250/-
5	Resource Person Remunerations	Dr. PJK=5000/- Dr. DVK=4000/- Computer World=7000/-	16000/-
6	Digital Banner	200*1=200/-	200/-
7	Inaugural Function	250*1=250/-	250/-
8	Certificate Printing	12*25=300/-	300/-
9	Diesel	800/-	800/-
10	ISTE DD	500+78 =578/-	578/-
11	ISTE Fees Per Participant	150*25=3750/-	3750/-
Total Ammount-			26388/-Rs.

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One Week

National Level Workshop

On

Data Mining & Hadoop

29 Dec. 2015 to 2 Jan. 2016

1. Name: _____
2. Registration Category: Student / Staff / Industry
3. Name of College/Industry: _____

_____

4. Designation: _____
5. Qualification: _____
6. Address: _____

_____ Pin: _____

7. Mobile No.: _____
8. Email: _____
9. Details of Registration:

Cash / DD: _____ Amount: _____

(In case of DD) Bank:

_____

DD No.: _____ Dated: _____

Date:

Signature of Applicant

Signature of the Head of the Institute & Seal

The Highlights of Workshop

- Introduction to Big Data and Hadoop.
- Understanding Hadoop architecture & installation.
- Big Data Technologies & its challanges.
- Working with Hadoop Distributed File System (HDFS)
- Introduction of Hive.
- Installation & Configuration of Hive on cluster.
- Recent trends in Data mining.

Resource Persons

- **Dr. P. J. Kulkarni,** Deputy Director, WCE, Sangli.
- **Dr. D. V. Kodavade,** HOD CSE, DKTE, Ichalkaranji.
- **Computer world,** Kolhapur.

Who can Attend?

P.G. Students, Research Scholars, Faculty from Engineering Colleges and industry Professionals will be benefitted.

Registration Fees : 1) P.G. Students - 600/-
2) ISTE Member - 800/-
3) Other - 1000/-

Includes Workshop kit, Study Material, Tea, Breakfast & Lunch)

Participants must visit www.seti.edu.in/new-events/one-week-workshop-hadoop & fill online Registration Form. Applicants can pay registration fees through online RTGS / NEFT transfer or demand Draft.

Details for Online RTGS/NEFT Transfer:

Account name	: Mr. Yogesh D. Gavali
Account No.	: 0880501039260
Account Type	: Saving
IFSC Code	: COSB0000088

Details for Demand Draft

Favor of	: Mr. Yogesh D. Gavali
Payable at	: Kolhapur.

(Participants must write registration details on the backside of DD and send the same on or before 26th Dec. 2015)

ISTE approved

One Week National Level Workshop

On

Data Mining & Hadoop

29 Dec. 2015 to 2 Jan. 2016

Convener

Prof. J. B. Metkari

(Head, CSE Dept.)

Coordinator

Prof. P. S. Landge

(Assistant Professor, CSE Dept.)

Organized by

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Panhala,
Tal. Panhala, Dist. Kolhapur-416201. (M.S.)

Phone:-0231-2686621 to 2686624
Fax:0231-2686629.
Website: www.seti.edu.in
Email: hodcse @seti.edu.in
pramod.landge@seti.edu.in

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Sanjeevan Knowledge City, Somwar Peth
Injole, Panhala, Dist : Kolhapur, 416201

ISTE approved One Week National Level Workshop on

"Data Mining & Hadoop"

certificate

This is to certify that

Mr. /Miss. Pravin S. Chothe.

attended a short term course on

" Data Mining & Hadoop "

sponsored by ISTE during 29th Dec. 2015 to 2nd Jan. 2016

at Sanjeevan Engineering & Technology Institute, Panhala.

Prof. P. S. Landge
Coordinator

Prof. J. B. Metkari
HOD

Dr. G. V. Mulgund
Principal

To,
The Principal,
Kolhapur.

Date
2nd Jan 2016

Subject: About permission for organization of one week workshop on "Geo-Information and Geo-Design".

Respected Sir,

The Department of Civil Engineer is planning to organize self-financed one week workshop from 2nd Feb 2016 to 6th Feb 2016on "Geo-Information and Ge0-Design"under ISTE. The details of the workshop are attached with this letter.
We request you to grand the permission to conduct the workshop in our institute.

Thanking You.

Yours Sincerely,

Workshop Coordinator
(Mr. A.K. Khebudkar)

Please permit us.
Moky.

permitted
6/1.

GIS Workshop Note

Workshop Name: One-Week Workshop on **"Geo-Information and Geo-Design"**

Dates of Workshop:
2nd Feb to 9th Feb 2016

Attendees:
1. P.G. Students and research scholars
2. Faculty from various disciplines (Geography, Geology, Engineering etc.)
3. Industry experts from various domains
4. Entrepreneurs interested in Geospatial technology and its implementation

Summary:
Theory of Geo-Information and Geo-Design is derived in the twentieth century. In past few years, momentum has gained towards standardizing its framework.
Geo-Design is undoubtedly the new way to design our future yet it has been proceeding since many years. It amalgamates various silos of human development phases like Planning, Design and Analysis into a single yet powerful system enhancing sustainability in design. With the progress of data collection, data availability, technology, analysis capabilities and visualization, Geo-Design holds the capacity to achieve a balance between human development and nature.
This workshop will investigate the concept, framework and components of GIS, Remote Sensing and Geo-Design. It will focus to bring various domains together with Geo-Information Technology using Geo-Design as the way to move ahead.

Objectives:
1. Introduce faculty and industrial persons with theory and practical concepts of GIS, GPS and Remote Sensing technologies.
2. Showcase of projects, which have successfully applied the concepts of Geo-Information to solve real life problems.
3. Enhance inter disciplinary interaction (Geography, Geotechnical, Planning, Water Resource Engineering, Transportation etc.) towards Geo-Design.
4. Brainstorm into new application areas within Geo-Information and Geo-Design for future projects.

Contents of Workshop:
1. Theoretical understanding of Photogrammetry and Remote Sensing, its types and field applications.
2. Terminology, advantages, basic components of GIS, GIS analysis and applications of GIS software in various fields.
3. The concept, framework and components of Geo-Design.

4. Application of Geo-Design and 3D modeling in transportation network analysis, visualization and interactive reporting.

Resource Persons:

- **Dr. A.S. Yadav**, Associate Professor, Civil Engineering Department, JJMCOE, Jaysingpur
- **Mr. P.K. Deshpande,** Assist. Professor, Civil Engineering Department, Govt. College of Engineering, Karad
- **Mr. Prasad Lingam,** GIS Analyst, MWH Global, Pune

Coordinators:

Mr. A.K. Khebudkar
Mr. H.D. Bhosale

Organizing Committee:

1. Finance Committee: Mr. S.M. Shinde, A.C. Thoke.
2. Registration Committee: Mr. A.N. Dhende, Gavade Sir, Momin Madam.
3. Inaugural and valedictory function Committee: Mr. M.H. Momin, S.S. Chavhan.
4. Hospitality Committee: Mr. J.S. Mevekari, Agnihotri Sir.
5. Technical Committee: S.S. Chavhan; S.M. Birajdar.

Programme Schedule:

2nd Feb 2016	3rd Feb 2016	4th Feb 2016
Registration & Breakfast (9.15 to 10.15 a.m.)	Breakfast (9.30 to 10 a.m.)	Breakfast (9.30 to 10 a.m.)
Inauguration function (10.30 to 11 a.m.)	Concepts and field application of GIS (10 to 1 p. m.)	Application of Geo-Design and 3D modeling (10 to 1 p.m.)
Concept of Photogrammetry and Remote Sensing (11 to 1 p.m.)	Lunch Break (1 to 2 p.m.)	Lunch Break (1 to 2 p.m.)
Lunch Break (1 to 2 p.m.)	Concept & components of Geo-Design (2 to 4 p.m.)	Valedictory function (2 to 4 p.m.)
Application of Remote Sensing (2 to 4 p.m.)		

Sanjeevan Engineering & Technology Institute

ISTE, Approved
One week National Level
Workshop
On

"Geo-Information and Geo-Design"

01 Feb. 2016 to 06 Feb. 2016

REGISTRATION FORM

1. Name: _____

2. Registration Category: Student / Staff / Industry

3. Name of College/Industry: _____

_____

4. Designation: _____

5. Qualification: _____

6. Address: _____

_____ Pin: _____

7. Mobile No.: _____

8. Email: _____

9. Details of Registration:

Cash / DD: _____ Amount: _____

(In case of DD) Bank: _____

DD No.: _____ Dated: _____

Date: **Signature of Applicant**

HIGHLIGHTS OF WORKSHOP

1. Theoretical perceptive of Photogrammetry & RS.
2. Study of GIS, it's analysis by GIS software
3. Conceptual framework of Geo-Design.
4. Application of Geo-Design and 3D modeling in transportation network analysis, visualization and interactive reporting, etc.

RESOURCE PERSONS

- **Dr. A. S. Yadav,**
  Associate Prof., JJMCOE, Jaysingpur
- **Prof. P.K. Deshpande,**
  Assistant Professor, G. C. E. Karad
- **Mr. Prasad Lingam,**
  GIS Analyst, MWH Global, Pune

WHO CAN ATTEND?

P.G. Students, Research Scholars, Faculty from various disciplines, industry Professionals & Entrepreneurs interested in Geospatial technology.

REGISTRATION FEE

1) Students & Research Scholars - 600/-
2) ISTE Member - 800/- 3) Other - 1000/-
(Includes Kit, Study Material, Tea, Breakfast & Lunch)
Participants can send Registration Form by post on given address before last date & applicants can pay registration fees through Demand Draft or by Cash. Registration form is also available on (www.seti.edu.in/news-events/one-weekworkshop-gis-geodesign)

DETAILS FOR DEMAND DRAFT

Favor of : Sanjeevan Engineering & Technology Institute, Panhala.
Payable at: Kolhapur
(Participants must write registration details on the backside of DD)

Last Date of Registration: 30 January 2016

ACCOMODATION FACILITY

Limited accommodation Facility (paid) is available on first come first basis, for more details contact **Prof. J. S. Mevekari. (9890530101)**

ISTE, Approved
One week National Level
Workshop
On

"Geo-Information and Geo-Design"

01 Feb. 2016 to 06 Feb. 2016

CONVENER
Prof. B. M. Mohite.
(HEAD, CIVIL DEPT.)

COORDINATOR
Prof. A. K. Khebudkar.
(Assistant Professor, Civil Dept.)

Organized by
DEPARTMENT OF CIVIL ENGINEERING

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Panhala,
Tal. Panhala, Dist. Kolhapur-416201. (M. S.)
Phone:-0231-2686621 to 2686624, Fax: 0231-2686629.
Website: www.seti.edu.in
Email: aditya.khebudkar@seti.edu.in
CONTACT NO: 9421283933 (Prof. A. K. Khebudkar)

ISTE, Approved
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Workshop
On
"Geoinformation and Geodesign"
01 Feb. 2016 to 06 Feb. 2016

REGISTRATION FORM

1. Name: _____

2. Registration Category: ☐ Student ☐ Faculty ☐ Industry Persons

☐ ISTE Member

3. Name of College/Industry: _____

4. Designation: _____ 5. Qualification: _____

6. Address: _____

_____ Pin: _____

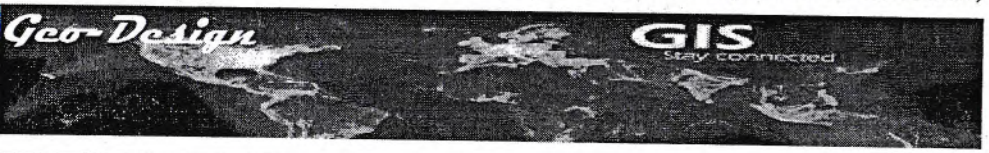
7. Mobile No.: _____ 8. Email: _____

9. Details of Registration: ☐ Cash ☐ DD Amount: _____

(In case of DD) Bank: DD No.: _____ Dated: _____

Date: **Signature of Applicant**

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Panhala, Tal. Panhala, Dist. Kolhapur-416201. (M. S.)
Phone:-0231-2686621 to 2686624, Fax: 0231-2686629.Website: www.seti.edu.in
Email: aditya.khebudkar@seti.edu.in **CONTACT NO: 9421283933 (Prof. A. K. Khebudkar)**



ISTE, Approved
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Workshop
On
"Geoinformation and Geodesign"
01 Feb. 2016 to 06 Feb. 2016

REGISTRATION FORM

1. Name: _____

2. Registration Category: ☐ Student ☐ Faculty ☐ Industry Persons

☐ ISTE Member

3. Name of College/Industry: _____

4. Designation: _____ 5. Qualification: _____

6. Address: _____

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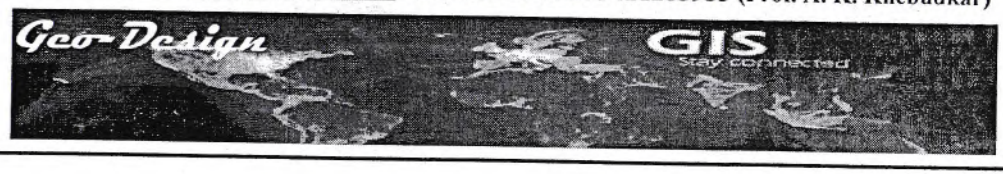
(In case of DD) Bank: DD No.: _____ Dated: _____

Date: **Signature of Applicant**

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Panhala, Tal. Panhala, Dist. Kolhapur-416201. (M. S.)
Phone:-0231-2686621 to 2686624, Fax: 0231-2686629.Website: www.seti.edu.in
Email: aditya.khebudkar@seti.edu.in **CONTACT NO: 9421283933 (Prof. A. K. Khebudkar)**



ISTE, Approved One week National Level Workshop

On

"Geoinformation and Geodesign"

01 Feb. 2016 to 06 Feb. 2016

Organized by Civil Engineering Department

RECEIPT

Received Registration Fee/ Accommodation Fee from Mr./ Ms./ Dr. _____

DD No./ Cheque No./ Cash _____ Bank _____

Amount (In figure) _____ Date of Issue _____

Rupees (In Words) _____

DATE:

Workshop Coordinator

ISTE, Approved One week National Level Workshop

On

"Geoinformation and Geodesign"

01 Feb. 2016 to 06 Feb. 2016

Organized by Civil Engineering Department

RECEIPT

Received Registration Fee/ Accommodation Fee from Mr./ Ms./ Dr. _____

DD No./ Cheque No./ Cash _____ Bank _____

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Rupees (In Words) _____

DATE:

Workshop Coordinator

ISTE, Approved One week National Level Workshop

On

"Geoinformation and Geodesign"

01 Feb. 2016 to 06 Feb. 2016

Organized by Civil Engineering Department

RECEIPT

Received Registration Fee/ Accommodation Fee from Mr./ Ms./ Dr. _____

DD No./ Cheque No./ Cash _____ Bank _____

Amount (In figure) _____ Date of Issue _____

Rupees (In Words) _____

DATE:

Workshop Coordinator

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA

ISTE approved One Week National Level Workshop on

"Geoinformation and Geodesign"

Certificate

This is to certify that

Mr. /Miss. _____

attended a One Week Workshop on

" Geoinformation and Geodesign "

sponsored by ISTE during 01st Feb. 2016 to 6th Feb. 2016

at Sanjeevan Engineering & Technology Institute, Panhala.

Organized by Department of Civil Engineering

Prof. A. K. Khebudkar	Prof. B. M. Mohite	Dr. G. V. Mulgund
Coordinator	HOD	Principal

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

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"Geo - Information and Geo - Design"

Certificate

This is to certify that

Mr. /Miss. _____

attended a One Week Workshop on

"Geo - Information and Geo - Design"

sponsored by ISTE during 01st Feb. 2016 to 6th Feb. 2016

at Sanjeevan Engineering & Technology Institute, Panhala.

Organized by Department of Civil Engineering

Prof. A. K. Khebudkar	Prof. B. M. Mohite	Dr. G. V. Mulgund
Coordinator	HOD	Principal

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur
Pin- 416 201. (Maharashtra) Phone : 0231 - 2686600, 21 Fax : 0231 - 2686629
■ Approved By AICTE - New Delhi ■ Recognized by Govt. of Maharashtra & DTE ■ Affiliated to Shivaji University, Kolhapur
Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in EN 6315

Ref No: SETI/2016/15

To,
The President,
Indian Society for Technical Education
New Delhi.

Date: 6th Jan 2016

Subject: About permission to organize one week workshop on "Geo-Information and Geo-Design".

Respected Sir,

The Department of Civil Engineering of our institute Sanjeevan Engineering and Technology Institute, Panhala, Dist: Kolhapur, State: Maharashtra is planning to organize self-financed one week National level workshop 2016 on **"Geo-Information and Geo-Design"** from **1st Feb 2016 to 6th Feb 2016** under ISTE. The proposal of workshop, brochure and DD of Rs. 500/- is enclosed with this letter.
We request you to grant the permission to conduct the workshop in our institute.

Thanking You.

Yours faithfully,

Principal
(Dr. G.V. Mulgund)

INDIAN SOCIETY FOR TECHNICAL EDUCATION

FOUNDED 1968

SHORT-TERM TRAINING PROGRAMMES (STTPS)

PROFORMA FOR SENDING PROPOSALS
(For Chapters of Indian Society for Technical Education)

Note : Before filling up the Proforma, please read carefully the rules and conditions
(To be filled in by Coordinator)

1.	Name and Address of Host Institution with Pin code	Address: Sanjeevan Engineering and Technology Institute, Panhala. Sanjeevan Knowledge City, Panhala Dist.: Kolhapur, State: Maharashtra. Pin Code : 416201 Phone: 0231-2686621 Fax : 0231-2686629 Email: principal@seti.edu.in	
2.	Title of the Programme (*This should convey the content & main thrust of the programme)* *(in Capital Letters, please)*	GEO-INFORMATION AND GEO-DESIGN.	
3.	The Programme is intended for (Tick one only)	☑ Teachers ☑ Working Professionals ☑ Others (specify) (students)	
4.	Name, Designation and Address of the Course Coordinator(s) (*One Coordinator preferred. More than two not permissible)*	1. Mr. A. K. Khebudkar Sanjeevan Engineering & Technology Institute, Panhala, Kolhapur.	2.
-	Telephone, Mobile & Email of the Coordinator(s)	9421283933 aditya.khebudkar@seti.edu.in	
-	Highest Qualification of Coordinator(s)	M.Tech (Structures)	
-	Area of Specialisation	Water Resource Engg.	

-	Teaching Experience (years)	5 Years	
-	Industry Experience (years)	3.5 Years.	
-	Number of papers published	—	
-	Number of Short-Term Courses of Summer/Winter Schools attended	3	
-	Number of Short-Term Courses of Summer/Winter Schools conducted earlier	—	
5.	Specialisation area for which the proposal is made *(tick one only)*	☑ Civil ☐ Mechanical ☐ Electrical ☐ Electronics ☐ Computer Science ☐ Pharmacy ☐ Architecture ☐ Management ☐ Hotel Management	☐ Basic Sciences (Specify subject) ☐ Interdisciplinary (Specify areas covered) ☐ Others (Specify)
6.	The course is basically *(Tick one only)*	☐ Subject updating course ☑ Special course on Emerging areas ☐ Pedagogy ☐ Other (Specify)	
7.	Whether the proposal covers any of the categories indicated *(Tick one only)*	☑ Industry-based programmes with substantial involvement of industry and its experts ☐ Education Technology/Methodology of teaching ☐ Training for technical supporting staff ☑ Emerging Area ☐ Others (specify)	
8.	Duration of the programme (*Tick one only)*	☑ One week (minimum 5 working days) ☐ Two weeks (minimum 10 working days) ☐ Three weeks (minimum 15 working days) ☐ Four weeks (minimum 20 working days)	

9.	Proposed dates for the Programme *(specify dates) which may be changed later, if required*	From 1st Feb 2016 To 6th Feb 2016 **Note :** *It is advisable to commence programme on MONDAY*
10	Do you have enough expertise within your institute and neighbouring places to offer the course satisfactorily? If NO, list the names and addresses of outside faculty needed. At least one faculty from IITs or NIITs	☑ Yes Name of faculty from IITs/NIITs 1. 2. 3. 4. ☐ No Faculty from other institutes 1. Dr. A.S. Yadav 2. Prof. P.K. Deshpande. 3. 4.

COURSE DETAILS

1.	Significance & Objectives of the programme *(list one or two major objectives)*	1. To introduce faculty & Industrial persons with theory and practical concept of GIS, GPS & Remote sensing 2. To brainstorm new application areas within Geo-Design for future projects.
2.	Course Content/Coverage (*List 5 to 8 major topics with proposed duration of coverage in hours for each topic)*	**Topic** — **Duration** 1. Theory of Photogrammetry 2 hrs. 2. Concept of Remote Sensing 2 hrs. 3. Theory of GIS 2 hrs. 4. Theory of GPS 2 hrs. 5. Framework of Geo-design 2 hrs. 6. Application of GIS, GPS 6 hrs. 7. Analysis of Geo-design 6 hrs. 8.
3.	Course Schedule	Total working days = 6 Lecture = 22 hrs. Laboratory/Practical = — hrs. Industrial/Field Visits = 8 hrs. Others (specify) = — hrs. Total hours engaged = 30 hrs.
4.	Details of special equipment or laboratory facilities available for the course	—
5.	Collaboration with industry/ other institutions/ departments (*indicate name of organization, nature of collaboration and experts involved)*	1. — 2. —

6.	Details of Course Faculty (*List details of faculty*)			
Sl. No.	Name & Designation	Institute	Highest Qualification	Field of Interest/specialisation
1.	Dr. A. S. Yadav.	JJMCoE, Jaysingpur	Ph. D.	Geology, Remote Sensing
2.	Prof. P. K. Deshpande	GCE, Karad	Msc. Geology	Geology, GIS, GPS.
3.	Mr. Prasad Lingam	MWH Global, Pune.	PGDM Geoinformatics	GIS Analysist
7.	Audio visual facilities available (*Tick relevant ones*)		☑ Over Head Projector ☐ Slide Projector ☐ 16/35 mm film Projector ☐ Video System ☐ Others (specify)	
8.	ISTE Institutional Membership No. of your Institute			
9.	Does your institution have an ISTE Chapter (a) If no, will it make minimum 25 members of ISTE		☑ Yes ☐ No ☐ Yes ☐ No	

I certify that the details given above are correct to the best of my knowledge and belief and I will organize the programme satisfactorily if approved. I also promise that I will abide by the terms and conditions contained in the ISTE Proceedings and submit the Final Report with Processing and operational expense to ISTE within 15 days after completion of the Programme.

Place : Panhala.

Date : 6th Jan 2016

Signature of Coordinator with Name (Mr. A.K. Khebudkar).

I agree to provide all necessary assistance and facilities of the institute for the conduct of the above programme.

Place : Panhala

Date : 6th Jan 2016.

Signature of Principal/Director with Name

To,
The Principal,
Kolhapur.

Date
2nd Jan 2016

Subject: About permission for organization of one week workshop on "Geo-Information and Geo-Design".

Respected Sir,

The Department of Civil Engineer is planning to organize self-financed one week workshop from 2nd Feb 2016 to 6th Feb 2016on "Geo-Information and Ge0-Design"under ISTE. The details of the workshop are attached with this letter.
We request you to grand the permission to conduct the workshop in our institute.

Thanking You.

Yours Sincerely,

Workshop Coordinator
(Mr. A.K. Khebudkar)

Please permit us.

permitted

6/1

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur
Pin- 416 201. (Maharashtra) Phone : 0231 - 2686600, 21 Fax : 0231 - 2686629
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Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in

EN 6315

To,

Date:-

Dr. A. S. Yadav

J.J.M.C.O. E.

Jaysingpur,

Subject:- Invitation as a Resource person for One Week National Level Workshop.

Respected Sir,

Seasons greetings!!

Sanjeevan Engineering & Technology Institute (SETI) Panhala is one of the premier institute affiliated to Shivaji University, Kolhapur and approved by AICTE New Delhi.

The Department of Civil Engineering is organizing One Week National Level Workshop on **"Geo-information and Geo-Design" dated 1st February to 6th February 2016.** We request you to be the resource person for this workshop scheduled on **1st February 2016.** Your rich experience & experty will definitely help us in building the institute.

Once again requesting you to accept our invitation and oblige.

Thanking you,

Yours faithfully,

Principal

Dr. G. V. Mulgund

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUT
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EN 6315

To,

Prof. P. K. Deshpande

Government College of Engineering,

Karad.

Date:-

Subject:- Invitation as a Resource person for One Week National Level Workshop.

Respected Sir,

Seasons greetings!!

Sanjeevan Engineering & Technology Institute (SETI) Panhala is one of the premier institute affiliated to Shivaji University, Kolhapur and approved by AICTE New Delhi.

The Department of Civil Engineering is organizing One Week National Level Workshop on **"Geo-information and Geo-Design" dated 1st February to 6th February 2016.** We request you to be the resource person for this workshop scheduled on **2nd February 2016.** Your rich experience & experty will definitely help us in building the institute.

Once again requesting you to accept our invitation and oblige.

Thanking you,

Yours faithfully,

Principal

Dr. G. V. Mulgund

Holy-wood Academy, Kolhapur's
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Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur
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EN 6315

To,

Date:-

Prasad Lingm

GIS Analyst, MWH, Global,

Pune.

Subject:- Invitation as a Resource person for One Week National Level Workshop.

Respected Sir,

Seasons greetings!!

Sanjeevan Engineering & Technology Institute (SETI) Panhala is one of the premier institute affiliated to Shivaji University, Kolhapur and approved by AICTE New Delhi.

The Department of Civil Engineering is organizing One Week National Level Workshop on **"Geo-information and Geo-Design" dated 1st February to 6th February 2016.** We request you to be the resource person for this workshop scheduled on **2nd & 3rd February 2016.** Your rich experience & experty will definitely help us in building the institute.

Once again requesting you to accept our invitation and oblige.

Thanking you,

Yours faithfully,

Principal

Dr. G. V. Mulgund

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITU
SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE
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EN 6315

Ref No. SETI/Civil/2016/31

To,

Prof. Pratapsinh K. Desai,
The President,
Indian Society for Technical Education,
New Delhi.

Date:6th Jan 2016,

Subject: About getting ISTE grant to organize one-week workshop on "Geo-Information and Geo-Design".

Respected Sir,

The Department of Civil Engineering of our institute **Sanjeevan Engineering and Technology Institute, Panhala**, Dist: Kolhapur, State: Maharashtra isplanning to organize one week National level workshopon **"Geo-Information and Geo-Design"**from **1st Feb 2016 to 6th Feb 2016**under ISTE. The budget, schedule and brochure of workshop are enclosed with this letter.

We request you to sanction the proposed grant to conduct the workshop in our institute.

Thanking You.

SANJEEVAN ENGG. & TECH. INSTITUTE PANHALA

Yours faithfully,

Principal
(Dr. G.V. Mulgund)

One-Week Workshop on "Geo-Information and Geo-Design"

Department of Civil Engineering

Sanjeevan Engineering and Technology Institute, Panhala

Schedule of Workshop

1st Feb 2016	2nd Feb 2016	3rd Feb 2016	4th Feb 2016	5th Feb 2016	6th Feb 2016
Registration, Breakfast & Inaugural function (9.15 to 11 a.m.)	**Breakfast (9.30 to 10 a.m.)**	**Breakfast (9.30 to 10 a.m.)**	**Breakfast (9.30 to 10 a.m.)**	**Breakfast (9.30 to 10 a.m.)**	**Breakfast (9.30 to 10 a.m.)**
Concept of Photogrammetry (11 to 1 p.m.)	Application of Remote Sensing (10 to 1 p.m.)	Field application of GIS (10 to 1 p.m.)	Application of Geo-Design (10 to 1 p.m.)	Field Visit to Masai Pathar for GIS experimentation (10 to 1 p.m.)	Technical Quiz (10 to 1 p.m.)
Lunch Break (1 to 2 p.m.)	**Lunch Break (1 to 2 p.m.)**	**Lunch Break (1 to 2 p.m.)**	**Lunch Break (1 to 2 p.m.)**	**Lunch Break (1 to 2 p.m.)**	**Lunch Break (1 to 2 p.m.)**
Theoretical understanding of Remote Sensing (2 to 4 p.m.)	Concepts of GIS (2 to 4 p. m.)	Concept & components of Geo-Design (2 to 4 p.m.)	Use of 3D Modeling in Geo-Design (2 to 4 p.m.)	GIS analysis of field experimentation (2 to 4 p.m.)	**Valedictory function (2 to 4 p.m.)**

भारतीय तकनीकी शिक्षा संस्था
INDIAN SOCIETY FOR TECHNICAL EDUCATION

(Under the Societies' Registration Act XXI of 1860)

Prof. Vaidya Vijay Dattatray
Executive Secretary

ISTE/Proceedings/STTP-SF/2015-16 January 19, 2016

Proceedings of Executive Secretary, ISTE

Sub. : Sanction to conduct full time Short-term Training Programme on Self-financing basis for the financial year 2015-2016.

Sanction is hereby accorded to the following institution for the conduct of the programme indicated below:

Name of Institution	:	Sanjeevan Engineering & Tech. Institute Kolhapur – 416 201
Topic	:	Geo-Information & Geo-Design
Name & Address of Coordinators	:	Mr. A.K. Khebudkar Prof.
Duration	:	One Week (Minimum 05 Working Days)
Proposed dates	:	01-02-2016 to 06-02-2016

Terms and Conditions

1. The institution offering the Programme should have an ISTE Chapter with at least 25 ISTE members as on the date of commencement of the programme.
2. Only ISTE members are allowed to attend this programme.
3. There will be no financial commitment on the part of ISTE on account of this programme.
4. The course will be full time and of duration 1week / 2 weeks / 4 weeks.
5. The proposal will be scrutinized by Experts and if approved, the approval will be communicated to the Coordinator. The Section Chairman / Executive Council Member may monitor the programme and send an independent report to ISTE Headquarters if called for. ISTE Headquarters reserves the right to decline the approval without assigning reasons.

SANJEEVAN ENGG. & TECH. INST. PANHALA
Inward No. 77 Date. 23/1/16.
Prof. A.K. Khebudkar
Sign.

--/-

Shaheed Jeet Singh Marg, Near Katwaria Saria, New Dehli – 110 016
Phone: 91-11 26513542, 26963431, 26514234, Fax: 91-11 26852421, E mail: istedhq@vsnl.net, Website: www.isteonline.in

Prof AK Khebudkar
Civil Engg

6. A processing & operational charges of Rs.150/- per participant is to be paid to ISTE Headquarters along with the final report mentioned in Item 8 below. This is about 15% of the operational charges of Rs.1050/- per participant fixed by AICTE for Summer / Winter Schools to meet this processing and operational expenses.

7. The registration fee of the participants may be fixed by the host institution.

8. Within 15 days after completion of the Programme the final report including list of participants (with their ISTE Membership Number of filled up application forms for ISTE membership with requisite fee), schedule of the programme with dates, copy of the certificate issued and copy of course notes must be sent to ISTE Headquarters alongwith processing & operational charges as mentioned in point 6 above. via DD in favour of "**ISTE**" New Delhi.

9. The Certificate may be issued by the Head of the host institution quoting ISTE Sanction Order. The certificate should contain the ISTE emblem at the top and should read "This is to certify that _____attended a short term course on_____ sponsored by ISTE during _____at_____.

Executive Secretary

To,

Dr. G.V. Mulgund
Principal
Sanjeevan Engineering & Technology Institute
Sanjeevan Knowledge City, Somwar Peth-Injole
Panhale, Tal. Panhala, Dist. Kolhapur – 416 201
Maharashtra State

Copy to :

Mr. A.K. Khebudkar
Coordinator
Sanjeevan Engineering & Technology Institute
Sanjeevan Knowledge City, Somwar Peth-Injole
Panhale, Tal. Panhala, Dist. Kolhapur – 416 201
Maharashtra State

To,

Date 25/01/2016

Principal,

SETI, Panhala.

Subject - Regarding the arrangement of LUNCH at college mess.

Resp. Sir,

As you are aware that following are the programs scheduled during the month of February – 2016.

1. Automobile Engg. Dept. – Advances in Refrigeration and Air Condition (2-6 Feb 2016)
2. Civil Engg. Dept. – Geo information and Geo design (1-3 Feb. 2016)
3. EDC cell – Entrepreneur Awareness Camp (2-5 Feb. 2016)

For mentioned programs near about 40 + 40 + 75 = 155 participant are expected. We request you to arrange the lunch for the participant at college mess. The day wise schedule attached herewith. Piease do needful in this regards.

Thanking you,

Yours faithfully,

Prof. S. L. Ghodke- convener for program 1

Prof J. S. Mevekari – convener for program 2

Prof. Smt. Akshata Patil – convener for program 3

Approved.

27.01.

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur
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EN 6315

Ref. No: SETI/2016/Civil/74

Date: 1st Feb. 2016

CERTIFICATE

This is to certify that, **Dr. A. S. Yadav** was present as a resource person and delivered a lecture on 'Theoretical perceptive of photogrammetry and remote sensing' for ISTE approved **One Week National Level Workshop on "Geoinformation and Geodesign"** in our Sanjeevan Engineering & Technology Institute, Panhala on 1st February 2016. Because of your help and guidance, the workshop was conducted smoothly.

I hope we'll have more opportunities to work together in the near future.

Once again, thanking you.

With regards,
Yours sincerely,

Dr. G. V. Mulgund
PRINCIPAL

Received
01/02/2016

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur
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EN 6315

Ref. No! SETI / 2016 / Civil / 74 Date: 2nd Feb. 2016

CERTIFICATE

This is to certify that, **Prof. P.K. Deshpande** was present as a resource person and delivered a lecture on 'Concept of GIS & Software Applic ation' for ISTE approved **One Week National Level Workshop on "Geoinformation and Geodesign"** in our Sanjeevan Engineering & Technology Institute, Panhala on 2nd February 2016. Because of your help and guidance, the workshop was conducted smoothly.

I hope we'll have more opportunities to work together in the near future

Once again, thanking you.

With regards,

Yours sincerely,

Dr. G. V. Mulgund
PRINCIPAL

Received
2/2/16

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur
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EN 6315

Ref. No. SETI/civil/2016/79

Date: 2nd Feb. 2016

CERTIFICATE

This is to certify that, **Dr. Abhijit Zende** was present as a resource person and delivered a lecture on 'Application of GIS in Watershed Management' for ISTE approved **One Week National Level Workshop on "Geoinformation and Geodesign"** in our Sanjeevan Engineering & Technology Institute, Panhala on 2nd February 2016. Because of your help and guidance, the workshop was conducted smoothly.

I hope we'll have more opportunities to work together in the near future.

Once again, thanking you.

With regards,
Yours sincerely,

Dr. G. V. Mulgund
PRINCIPAL

Received
02/02/16

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur
Pin- 416 201. (Maharashtra) Phone : 0231 - 2636600, 21 Fax : 0231 - 2686629
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Ref. No. SETI/civil/2016/82

Date:3rd Feb. 2016

CERTIFICATE

This is to certify that, **Mr. S. V. Chikurde** was present as a resource person and delivered a lecture on 'Application of GIS: Classification & Errors' for ISTE approved **One Week National Level Workshop on "Geoinformation and Geodesign"** in our Sanjeevan Engineering & Technology Institute, Panhala on 3rd February 2016. Because of your help and guidance, the workshop was conducted smoothly.

I hope we'll have more opportunities to work together in the near future.

Once again, thanking you.

With regards,
Yours sincerely,

Dr. G. V. Mulgund
PRINCIPAL

3/2/16

Sanjeevan Engineering and Technology Institute, Panhala

IS[illegible]pproved One week National Level Workshop

Geo information and Geo design

Attendance sheet

SR.NO.	NAME OF PARTICIPANT	DAY 1 (1/02/16)		DAY 2(2/02/16)		DAY 3(3/02/16)	
		Session 1	Session 2	Session 1	Session 2	Session 1	Session 2
S 1	ATAKE GANESH BALASO						
S 2	BARALE HEMANT JAYANT						
S 3	BHARMAL ANURAG RAJAN						
S 4	BHOSALE AKSHAY RAJARAM						
S 5	BODRE SATTAPPA KALYAN		—				
S 6	BORE SUSHANT BALAVANT						
S 7	CHAVAN SHEKHAR VIJAYKUMA						
S 8	DANGAT SHEKHAR ASHOK						
S 9	GAVAD PRAVEEN ASHOK						
S 10	GHOLAP SUSHANT YESHAWANT	—	—				
S 11	GUPTA VISHALKUMAR RAGHAV						
S 12	KADAM PRASHANT KASHINATH						
S 13	KARPE SHIVRAJ LAXMAN						
S 14	KHADE ROHIT BHAGAWAN						
S 15	KHAN ANAS ABDUSSALAM		—		—		
S 16	KHOT ROHIT YASHAVANT						
S 17	KUMBHAR JAYDEEP SURESH						
S 18	MANE MANJIRI SAMBHAJI				—		
S 19	MANE SAGAR TANAJI						
S 20	MANGAONKAR GANESH ARVIND						

S 21	NIKAM PRATHMESH DHANAJI		—					
S 22	PATIL AKSHAY ARJUN							
S 23	PATIL AKSHAY PRAKASH							
S 24	PATIL AMAR DHONDIRAM					—	—	
S 25	PATIL AMOL BABASO							

[Co-ordinator]

HOD
Civil Engineering
Sanjeevan Engineering & Technology Institute
Somwar Peth, Panhala, Dist. Kolhapur. (416 201)

Engineering and Technology Institute, Panhala

ISTE approved One week National Level Workshop

Geo information and Geo design

Attendance sheet

SR.NO.	NAME OF PARTICIPANT	DAY 1 (1/02/16)		DAY 2(2/02/16)		DAY 3(3/02/16)	
		Session 1	Session 2	Session 1	Session 2	Session 1	Session 2
S 26	PATIL ROHIT GORAKSHA						
S 27	PATIL SUPRIYA SHIVAJI						
S 28	PISAL SHUBHAM RAJENDRA						
S 29	REDEKAR PRADIP MARUTI						
S 30	SARNOBAT SAURABH SACHIN						
S 31	SHAIKH SAMIR SALIM						
S 32	SHINDE NIKHIL SADASHIVE						
S 33	SHINDE RANVEER SHIVAJI						
S 34	SURVE ROHIT RAJENDRA						
S 35	TASHILDAR AVINASH GAJANAN						
S 36	TIBILE MAHESH DILIP						
S 37	TODLI OMKAR SANJAY						
S 38	TORASKAR PRATIK SURESH						
S 39	VANSHE YOGESH RAMESH						
S 40	WAGHARE ROHIT SHANKAR						
S 41	WAINGANKAR RAJESHWAR PRA						
S 42	YADAV SURAJ VILAS						
S 43	KURANE SIDDHANT SANJAY						
S 44	DESAI KUSHAL U.						
S 45	POWAR RADHA						

Sanjeevan Engineering and Technology Institute, Panhala

ISTE approved One week National Level Workshop on

Geo information and Geo design

Attendance sheet

SR.NO.	NAME OF PARTICIPANT	DAY 1 (1/02/16)		DAY 2(2/02/16)		DAY 3(3/02/16)	
		Session 1	Session 2	Session 1	Session 2	Session 1	Session 2
E 1	Prof. Chandrakant Hanmant Wagh						
E2	Prof.Patil Yashwant Mohan						
E 3	Prof.Kumbhar Shridhar S.						
E 4	Prof.Pisal Pandurang Anandrao	P A Pisal	P.A.Pisal	P.A Pisal	P. A.Pisal	P.A. Pisal	
E 5	Prof.Chavan Guruprasad						
E 6	Prof.Patil Satyajit Balaso						
E 7	Mr.Warke Amit Bapuso						
E 8	Prof.Chavan Sandeep S.						
E 9	Prof.Kajave Rahul V.						
E 10	Prof.Patil Ranjeet B.						
E 11	Prof. Repe Suhas Narayan						
E 12	Prof.Pawar Veerdhaval Suhas						
E 13	Prof.Mane Yogesh Narayan						
E 14	Mr.Pawar Amit						
E 15	Mr.Patil Swapnil						
E 16	Mr Kajave A.A						
E 17	Miss. Anekar N.R.						
E 18	Mr. Ghorpade. S.U						
E 19	Mr. Suryawanshi O.P.						
E 20							

[Coordinator]

HOD
Civil Engineering
Sanjeevan Engineering & Technology Institute
Somwar Peth, Panhala, Dist. Kolhapur. (416 201)

Sanjeevan Engineering and Technology Institute, Panhala

ISTE approved One week National Level Workshop on

Geo information and Geo design

Attendance sheet

SR.NO.	NAME OF PARTICIPANT	DAY 1 (1/02/16)		DAY 2(2/02/16)		DAY 3(3/02/16)	
		Session 1	Session 2	Session 1	Session 2	Session 1	Session 2
I 1	Prof. Mohite Bajirao M.						
I 2	Prof. Salokhe Eknath S.						
I 3	Prof. Bhosale Hemantkumar D						
I 4	Prof. Khebudkar Aditya K.						
I 5	Prof. Shinde Sagar M.						
I 6	Prof. Mevekari Jabbar S.						
I 7	Prof. Gavade Jagdish J.						
I 8	Prof. Momin Anarkali M.						
I 9	Prof. Dhende Abhideep N.						
I 10	Prof. Agnihotri Sameer A.						
I 11	Prof. Charan Shrivallabh S.						
I 12	Prof. Thoke Amit C.						
I 13	Prof. Momin M. H.						

[Co-ordinator]

HOD
Civil Engineering
Sanjeevan Engineering & Technology Institute
Somwar Peth, Panhala, Dist. Kolhapur. (416 201)

Sanjeevan Engineering & Technology Institute, Panhala
ISTE Approved One week National Level Workshop
On
"Geoinformation and Geodesign"
01 Feb. 2016 to 06 Feb. 2016

Workshop Feedback Form

Resourse Person: Dr.A.S.Yadav

NOTE: Tick marks the appropriate option.

Sr. No.	Question	Excellent	Better	Best	Average	Poor
1)	What is your overall assessment of the sessions?	☐	☑	☐	☐	☐
2)	The material was presented in an organized manner.	☐	☐	☑	☐	☐
3)	The instructor was a good communicator.	☐	☐	☑	☐	☐
4)	Did the session achieve the wokshop objectives?	☐	☑	☐	☐	☐
5)	Information gained from participation at this session?	☐	☐	☑	☐	☐

6) Please rate the following:

	Excellent	Very Good	Good	Fair	Poor
a. Visuals	☐	☐	☑	☐	☐
b. Acoustics	☐	☑	☐	☐	☐
c. Meeting space	☑	☐	☐	☐	☐
d. Handouts	☐	☑	☐	☐	☐
e. The program overall	☐	☐	☑	☐	☐

7) Which topics or aspects of the workshop did you find most interesting or useful?

photogrametric survey.
Electromagnetic survey.

8) Comments and suggestions (including activities or initiatives you think would be useful, for the future)

Give more examples

(Please return this form to the instructor or co-ordinator at the end of the workshop. Thank you.)

Sanjeevan Engineering & Technology Institute, Panhala
ISTE Approved One week National Level Workshop
On
"Geoinformation and Geodesign"
01 Feb. 2016 to 06 Feb. 2016

Workshop Feedback Form

Resourse Person: Dr.A.S.Yadav

NOTE: Tick marks the appropriate option.

Sr. No.	Question	Excellent	Better	Best	Average	Poor
1)	What is your overall assessment of the sessions?	☑	☐	☐	☐	☐
2)	The material was presented in an organized manner.	☑	☐	☐	☐	☐
3)	The instructor was a good communicator.	☑	☐	☐	☐	☐
4)	Did the session achieve the wokshop objectives?	☑	☐	☐	☐	☐
5)	Information gained from participation at this session?	☑	☐	☐	☐	☐

6) Please rate the following:

	Excellent	Very Good	Good	Fair	Poor
a. Visuals	☑	☐	☐	☐	☐
b. Acoustics	☑	☐	☐	☐	☐
c. Meeting space	☐	☐	☑	☐	☐
d. Handouts	☐	☑	☐	☐	☐
e. The program overall	☐	☑	☐	☐	☐

7) Which topics or aspects of the workshop did you find most interesting or useful?

Remote Sensing

8) Comments and suggestions (including activities or initiatives you think would be useful, for the future)

more seminar should be Conducted

(Please return this form to the instructor or co-ordinator at the end of the workshop. Thank you.)

Sanjeevan Engineering & Technology Institute, Panhala
ISTE Approved One week National Level Workshop
On
"Geoinformation and Geodesign"
01 Feb. 2016 to 06 Feb. 2016

Workshop Feedback Form

Resourse Person: Dr.A.S.Yadav

NOTE: Tick marks the appropriate option.

Sr. No.	Question	Excellent	Better	Best	Average	Poor
1)	What is your overall assessment of the sessions?	☑	☐	☐	☐	☐
2)	The material was presented in an organized manner.	☑	☐	☐	☐	☐
3)	The instructor was a good communicator.	☑	☐	☐	☐	☐
4)	Did the session achieve the wokshop objectives?	☑	☐	☐	☐	☐
5)	Information gained from participation at this session?	☑	☐	☐	☐	☐

6) Please rate the following:

	Excellent	Very Good	Good	Fair	Poor
a. Visuals	☑	☐	☐	☐	☐
b. Acoustics	☑	☐	☐	☐	☐
c. Meeting space	☐	☐	☑	☐	☐
d. Handouts	☐	☑	☐	☐	☐
e. The program overall	☐	☐	☐	☐	☐

7) Which topics or aspects of the workshop did you find most interesting or useful?

Remote sensing topic from the overall session was good with figures & images to visualize the Concept

8) Comments and suggestions (including activities or initiatives you think would be useful, for the future)

more seminar should be Conducted.

(Please return this form to the instructor or co-ordinator at the end of the workshop. Thank you.)

Sanjeevan Engineering & Technology Institute, Panhala
ISTE Approved One week National Level Workshop
On
"Geoinformation and Geodesign"
01 Feb. 2016 to 06 Feb. 2016

Workshop Feedback Form

Resourse Person: Dr.A.S.Yadav

NOTE: Tick marks the appropriate option.

Sr. No.	Question	Excellent	Better	Best	Average	Poor
1)	What is your overall assessment of the sessions?	☑	☐	☐	☐	☐
2)	The material was presented in an organized manner.	☑	☐	☐	☐	☐
3)	The instructor was a good communicator.	☑	☐	☐	☐	☐
4)	Did the session achieve the wokshop objectives?	☑	☐	☐	☐	☐
5)	Information gained from participation at this session?	☑	☐	☐	☐	☐

6) Please rate the following:

	Excellent	Very Good	Good	Fair	Poor
a. Visuals	☑	☐	☐	☐	☐
b. Acoustics	☐	☐	☐	☐	☐
c. Meeting space	☐	☐	☑	☐	☐
d. Handouts	☐	☑	☐	☐	☐
e. The program overall	☐	☑	☐	☐	☐

7) Which topics or aspects of the workshop did you find most interesting or useful?

Remote Sensing

8) Comments and suggestions (including activities or initiatives you think would be useful, for the future)

more such seminar should be Conducted for its betterment & growth in knowledgement of student

(Please return this form to the instructor or co-ordinator at the end of the workshop. Thank you.)

Sanjeevan Engineering & Technology Institute, Panhala
ISTE Approved One week National Level Workshop
On
"Geoinformation and Geodesign"
01 Feb. 2016 to 06 Feb. 2016

Workshop Feedback Form

Resourse Person: Dr.A.S.Yadav

NOTE: Tick marks the appropriate option.

Sr. No.	Question	Excellent	Better	Best	Average	Poor
1)	What is your overall assessment of the sessions?	☑	☐	☐	☐	☐
2)	The material was presented in an organized manner.	☑	☐	☐	☐	☐
3)	The instructor was a good communicator.	☑	☐	☐	☐	☐
4)	Did the session achieve the wokshop objectives?	☑	☐	☐	☐	☐
5)	Information gained from participation at this session?	☑	☐	☐	☐	☐

6) Please rate the following:

	Excellent	Very Good	Good	Fair	Poor
a. Visuals	☑	☐	☐	☐	☐
b. Acoustics	☑	☐	☐	☐	☐
c. Meeting space	☐	☐	☑	☐	☐
d. Handouts	☐	☐	☑	☐	☐
e. The program overall	☑	☐	☐	☐	☐

7) Which topics or aspects of the workshop did you find most interesting or useful?

Remote sensing part of the session is very good. overall session was interesting.

8) Comments and suggestions (including activities or initiatives you think would be useful, for the future)

(Please return this form to the instructor or co-ordinator at the end of the workshop. Thank you.)

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur
Pin- 416 201. (Maharashtra) Phone : 0231 - 2686600, 21 Fax : 0231 - 2686629
■ Approved By AICTE - New Delhi ■ Recognized by Govt. of Maharashtra & DTE ■ Affiliated to Shivaji University, Kolhapur
Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in

EN 6315

Ref. No. SETI/2016/111

Date: 15/02/2016

To,

The Director,

ISTE, New Delhi.

Subject: Report of One Week National Level Workshop on "Geoinformation and Geodesign"

Respected Sir,

With respect to above subject I want to express my deepest gratitude to you for the recommendation you made to our institute for **One Week National Level Workshop on "Geoinformation and Geodesign" Dated 1st Feb. to 6th Feb. 2016**. I know that your recommendation played a significant role in helping us to obtain the opportunity to conduct such workshop. I will always remember your willingness to help for giving permission and also same for future workshops.

Please accept my sincere thanks.

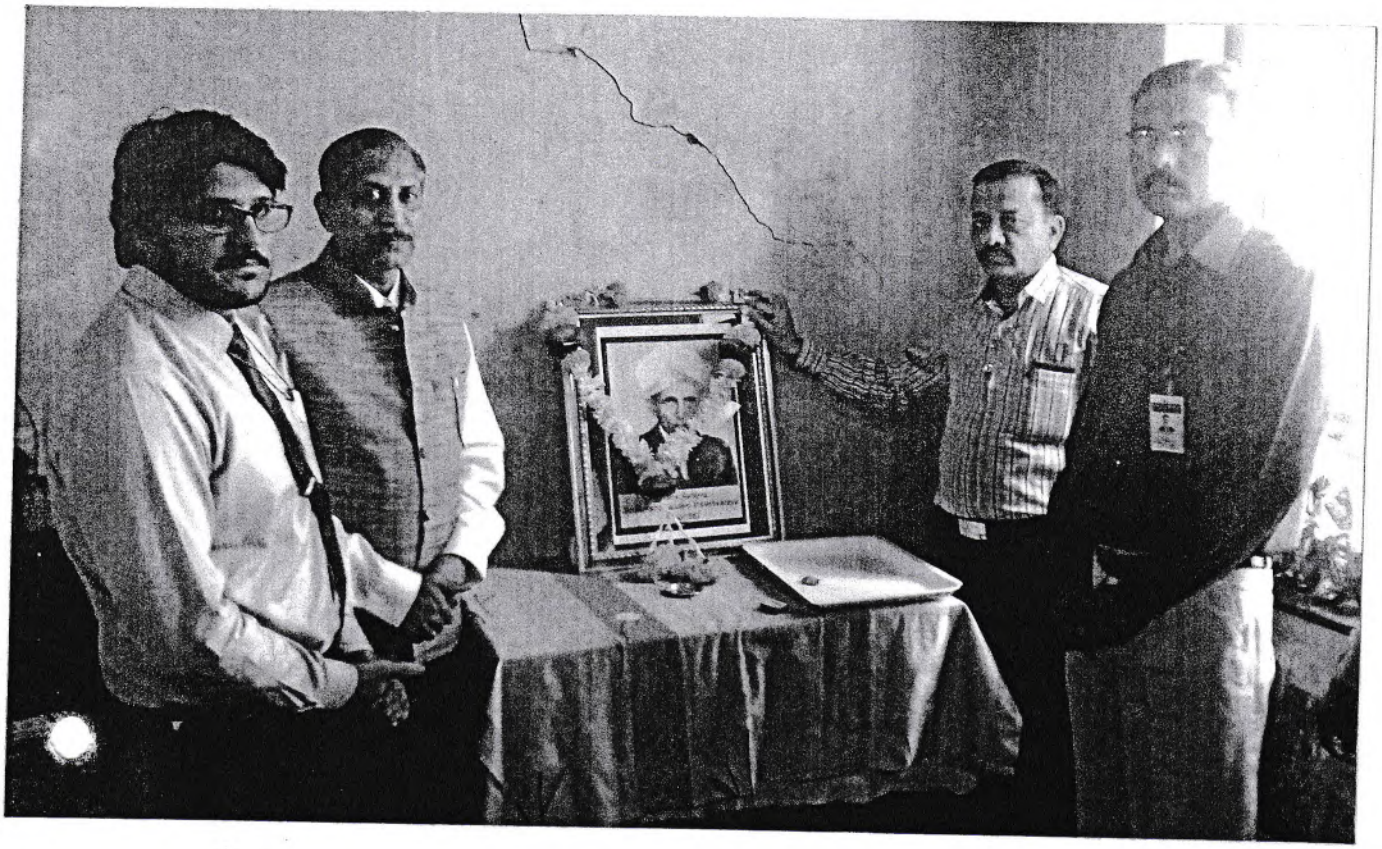
With regards,

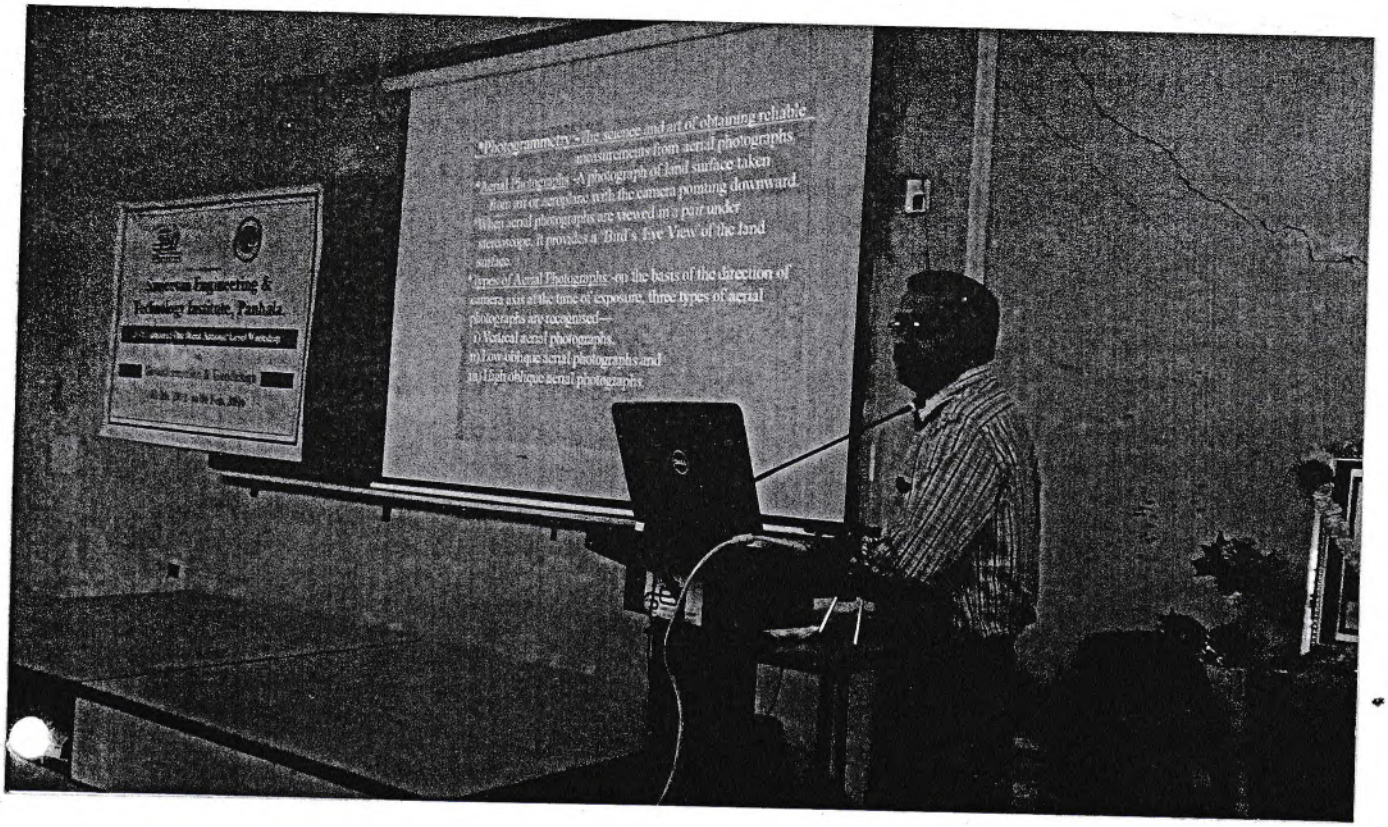
Yours sincerely,

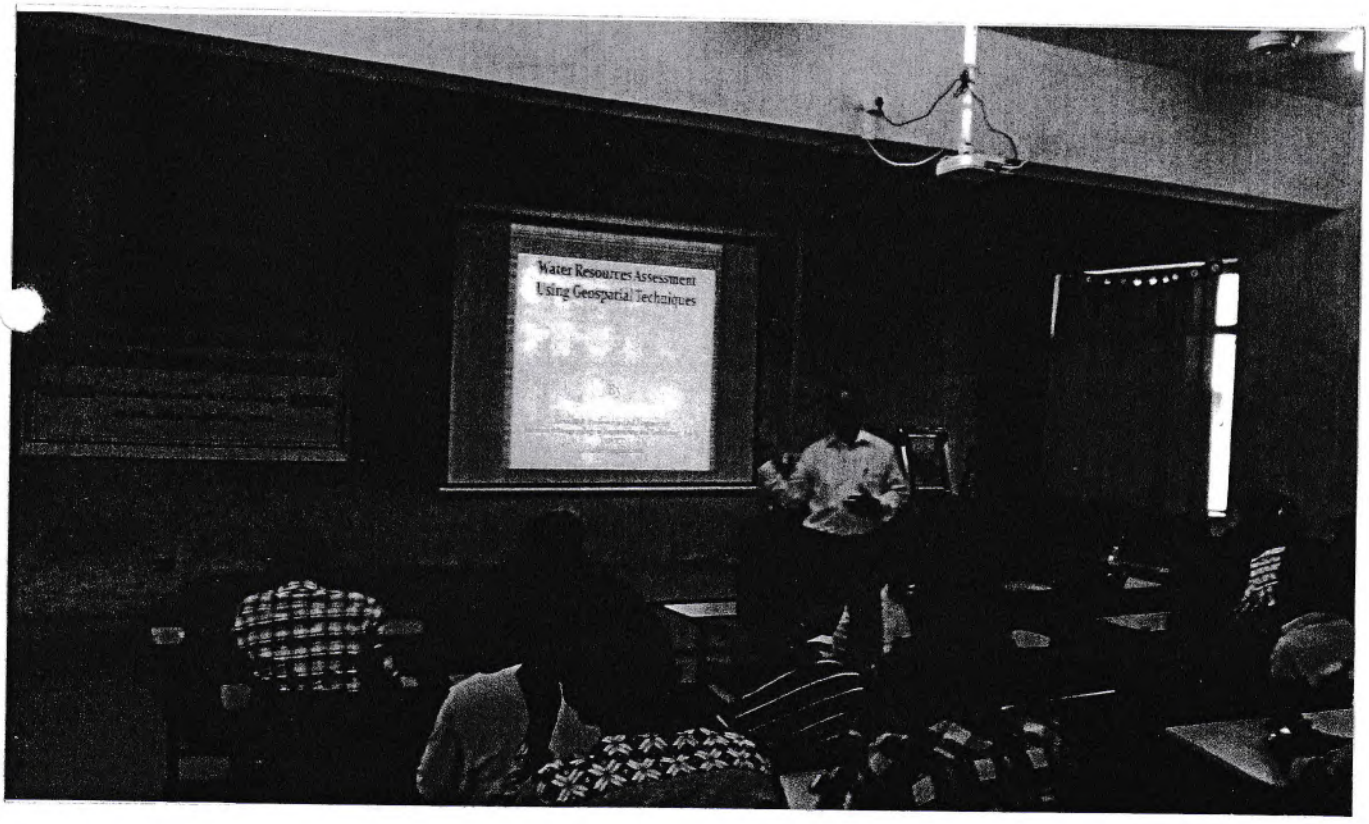
Dr. G. V. Mulgand
PRINCIPAL

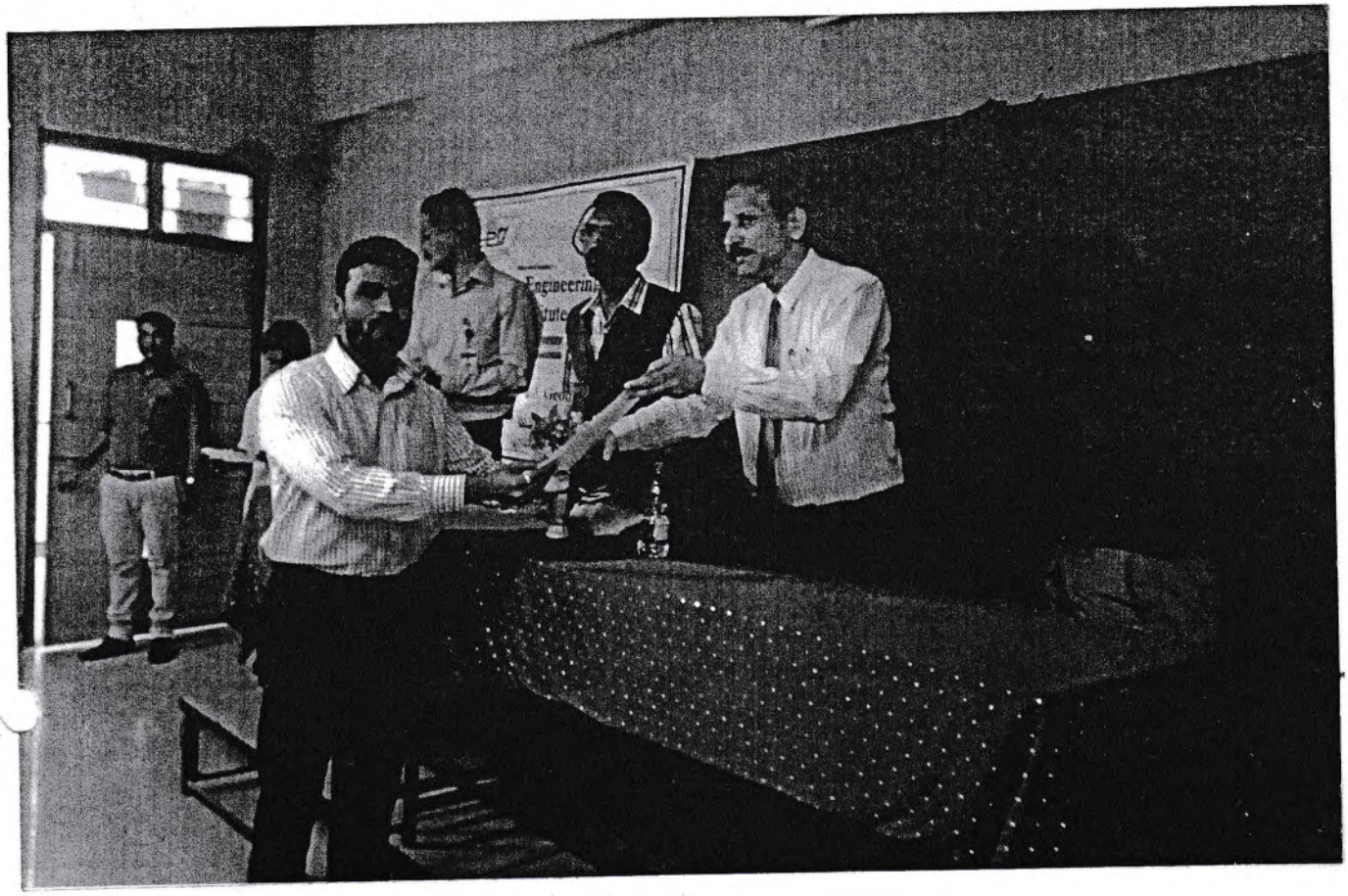
Attachments:

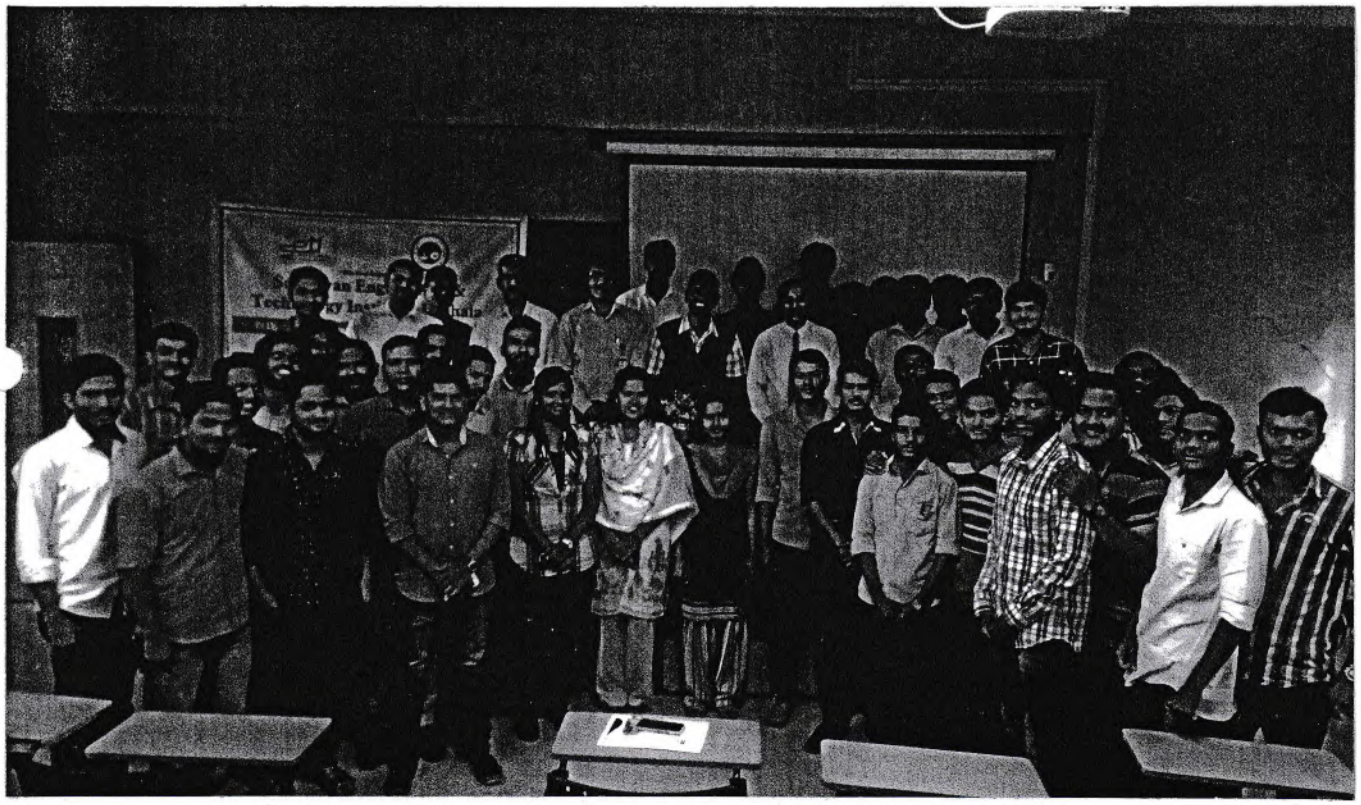
1. Report of Workshop
2. List of ISTE participants
3. D.D. of Rs. 2250/- (Rs. 150/ - per students)
4. Photographs
5. Schedule of workshop
6. Lecture notes



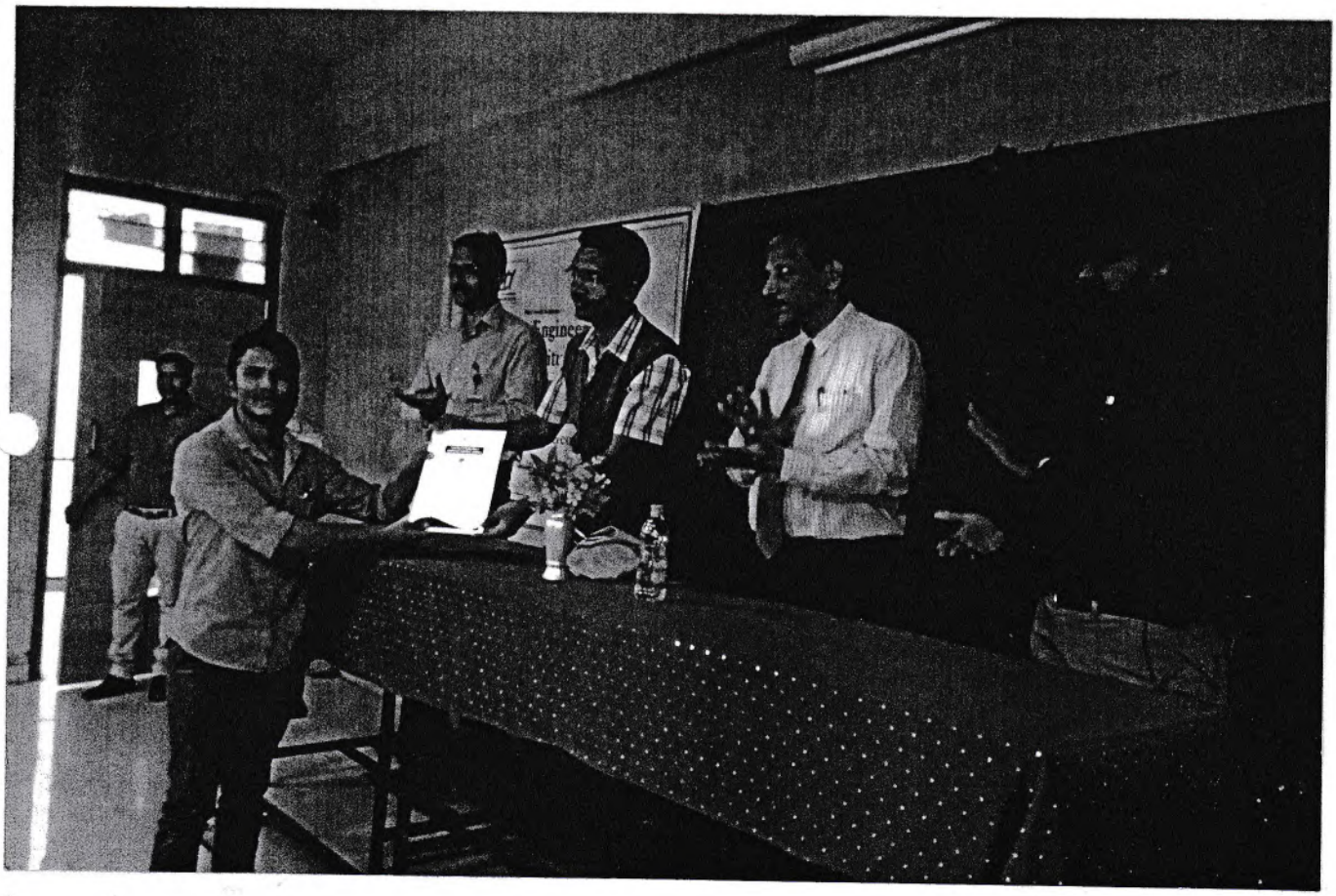

•Photogrammetry - the science and art of obtaining reliable measurements from aerial photographs
•Aerial Photographs -A photograph of land surface taken from air or aeroplane with the camera pointing downward. When aerial photographs are viewed in a pair under stereoscope, it provides a 'Bird's Eye View' of the land surface.
•Types of Aerial Photographs -on the basis of the direction of camera axis at the time of exposure, three types of aerial photographs are recognised—
i) Vertical aerial photographs,
ii) Low oblique aerial photographs and
iii) High oblique aerial photographs.

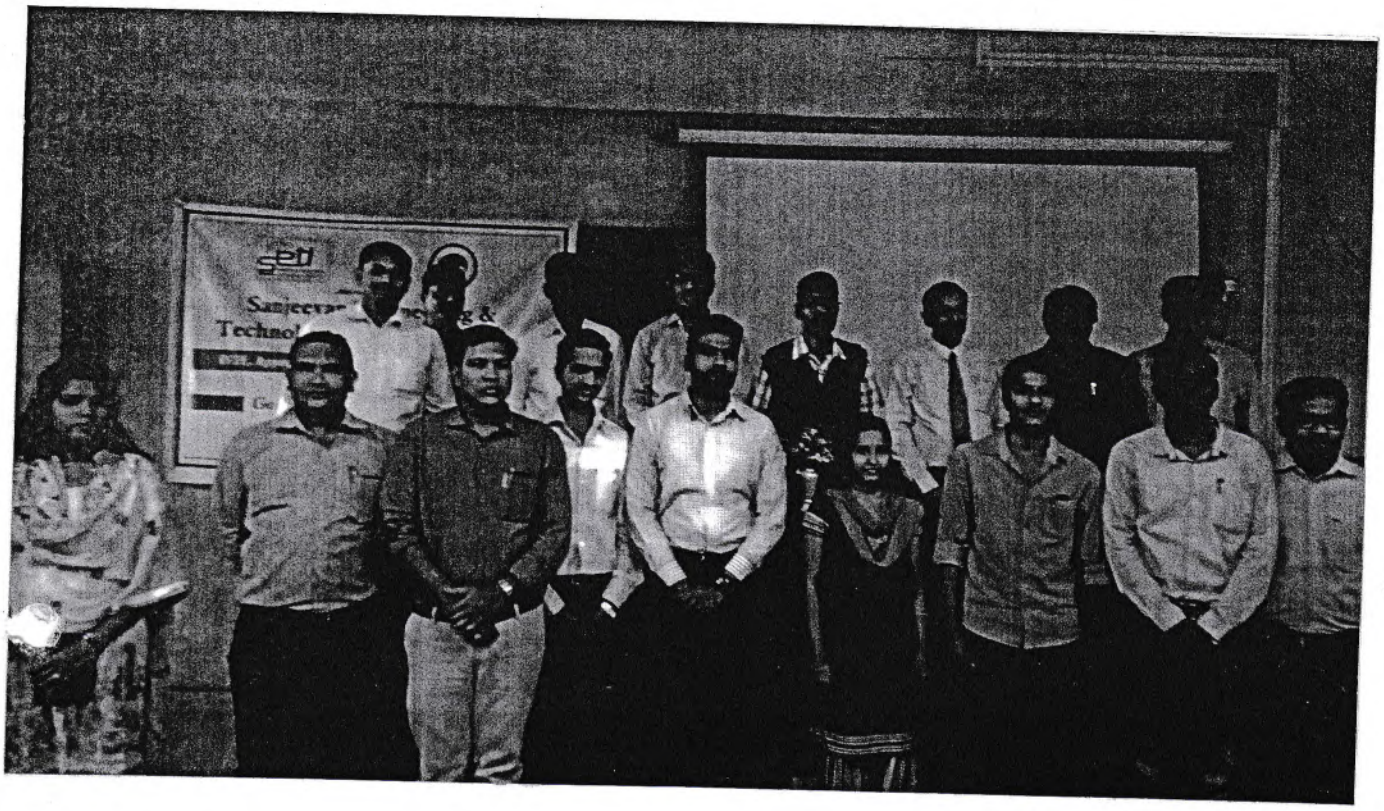

Water Resources Assessment
Using Geospatial Techniques






Sanjeevan Engineering &
Technology Institute, Par





Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur
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EN 6315

Ref. SETI/EST/Workshop/2015-16/ 96

Date: 08/02/2016

APPRECIATION LETTER

On behalf of the institute I congratulate that, **Mr. B. M. Mohite** who worked as **Coordinator** for ISTE approved One Week National Level Workshop on **"Geoinformation and Geodesign"** organized by Department of civil engineering during 1st February to 6th February, 2016.

I appreciate you and your team for the contribution of successful completion of the event and convey my thanks to all your team members. I hope that you will introduce more such events with holistic approach in the future too.

Once again, thanking you.

With regards,

Yours sincerely,

SANJEEVAN ENGG. & TECH. INSTITUTE PANHALA

Dr. G. V. Mulgund
PRINCIPAL

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth, Panhala, Tal. Panhala, Dist. Kolhapur - 416 201.
Phone : 02328 - 235241, 235493 Fax : 02328 - 235241 Mobile : 9545451966, 9545453831
Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in / setipanhala@gmail.com
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Department of Mechanical Engineering

6.3.3 Average number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff during the last five years (5)

Year	Sl. No.	Title of the professional development program organised for teaching staff	Title of the administrative training program organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2012-13	1	NIL				
2013-14	2	STTP On "Recent Trends In Renewable Energy Sources "		17/06/2013 - 22/06/2013	29	0
2014-15	3	NIL				
2015-16	4	~~EDP on "Green Technology & Sustainable Development"~~		28/01/2016 – 30/01/2016	25	0
2016-17	5	STTP On "Recent Trends in Manufacturing Processes"		2/1/2017 – 6/1/2017	37	0
2017-18	6	NIL				

NAAC Coordinator

HOD Mech

Recent Trends in Renewable Energy Sources (RTRES-13)

Expenditure Details

Boarding and lodging charges for participants	Rs. 43,750/-
TA, boarding & lodging for the invited experts	Rs. 24,035/-
Honorarium to the invited experts (6days, 2 sessions = 12 @ 1000/-)	Rs. 13,000/-
Honorarium to course coordinator	Rs. 2,000/
Ancillary staff	Rs. 2,000/-
Field trip (one day)	Rs. 11,304/-
Publication	Rs. 10,322/-
Contingencies, Consumables & Office Expenditure	Rs. 11,300/-
Total	**Rs. 1,17,711/-**
Grants Received from ISTE(BEING FIRST&SECOND INSTALLMENT)	NIL
OTHER RECEIPTS (Indicate Sources) "Advance from Sanjeevan Engineering & Tech. Inst. Panhala"	Rs. 60,000/-
TOTAL	**Rs. 60,000/-**
LESS Expenditure	Rs. 1,17,711/-
DUE	**Rs. 57,711/-**
BALANCE AS PER CASH BOOK	Cash Rs. Nil Bank Rs. Nil

Certified that the grant has been spent for the purpose for which it has been sanctioned.

	Dbadkar
Accounts/Audit Officer (With office seal)	**Coordinator** **Dr. DURADUNDI. SAWANT. BADKAR**

Important Dates :

Last Date for receipt of application : 20-05-2013
(Scanned copy of the filled application form with signature can also be sent through email)

Intimation to the candidates about selection by e-mail : 07-06-2013

Organizing Committee :

Chief Patron
Hon'ble Shri. P.R.Bhosale,
Chairman,
Holy-Wood Academy, Kolhapur

Patron
Hon'ble Shri. N.R.Bhosale,
Jt. Secretary,
Holy-Wood Academy, Kolhapur

Chairman
Dr. Vikram S. Patil, Principal
Prof. R. S. Kulkarni,
HOD, Mech. Engg.
Prof. S. L. Ghodake,
HOD, Auto. Engg.

Co-ordinator
Dr. Duradundi S. Badkar
Dean R&D and Professor

Co-Coordinator
Prof. S. G. Arvindakumar
Mechanical Engg. Dept.

Advisory Committee :

Dr. S. S. Mantha
Chairman, AICTE, New Delhi
Dr. R. Murugesan
President - ISTE, New Delhi
Mr. P. K. Desai
Vice President - ISTE, New Delhi
Dr. T. R. Pachamuthu
Chancellor- SRM University, Chennai
Prof. Satyanarayan Pachamuthu
President- SRM University, Chennai
Dr. M. Pachamuthu
Vice Chancellor- SRM University, Chennai
Shri. M. A. Kakade
Chairman - ISTE,
Maharashtra & Goa Region
Shri. Anilkumar Shukla
Regional Officer, AICTE, Mumbai
Dr. A. B. Rajage
Director - BCUD,
Shivaji University, Kolhapur
Dr. N. J. Pawar
Vice Chancellor,
Shivaji University, Kolhapur
Dr. S. Basil Ganappa
Executive Secretary,
ISTE, New Delhi
Mr. Ravi Pachamuthu
Chairman- SRM University, Chennai
Dr. R. Shivakumar
Vice President-
SRM University, Chennai
Dr. S. K. Mahajan
Director - DTE, Mumbai
Dr. Ranjit K. Sawant
Secretary- ISTE,
Maharashtra & Goa Region
Dr. A. S. Bhoite
Pro-Vice Chancellor,
Shivaji University, Kolhapur
Dr. S. M. Sawant
Dean, Faculty of Engg. & Tech.,
Shivaji University, Kolhapur

For further details Contact :

Dr. Duradundi Sawant Badkar, Co-ordinator RTRES-13
Dean R&D and Professor, Mechanical Engg. Dept.
Holy-wood's Academy,
Sanjeevan Engineering and Technology Institute
Sanjeevan Knowledge City, Somwar Peth, Panhala,
Tal. Panhala, Dist. Kolhapur-416201, Maharashtara, India.
Telephone : 0231-2686646, 2686600 Fax :0231-2686629
Mobile : 09545913434, 09620397797
E-mail : dsbadkar@gmail.com, duradundi.badkar@seti.edu.in
Website : www.seti.edu.in

Sanjeevan Engineering & Technology Institute, Panhala

Registration Form

ISTE-SRM
SHORT TERM TRAINING PROGRAMME ON
RECENT TRENDS IN RENEWABLE ENERGY SOURCES
RTRES-13
(17th to 22nd June, 2013)

Name : MEGHA KHANDEKAR
Gender : ☐ Male ☑ Female ISTE-LM-33962
Department : ARCHITECTURE
Designation : SELECTION GR. LECTURER
Institution : SHRI VASANTRAO POTDAR POLYTECHNIC,
Affiliated University : BTE, BANGALORE
Qualification : B.ARCH, M.ARCH, PGDBA
Teaching Experience : 20 YRS.
Address for correspondance : KLS' VP POLYTECHNIC, TILAKWADI, BELGAUM-590 006
E-mail : poly_megha@yahoo.co.in
Contact No. : 09886519663

Declaration : The information provided above is true to the best of my knowledge. I abide by the rules and regulations governing the ISTE-SRM, STTP course.

Place : BELGAUM
Date : 27/5/13

Signature of the Applicant

PRINCIPAL
K.L.S.'s Shri Vasantrao Potdar Polytechnic
Tilakwadi, BELGAUM-590 006.

ISTE - SRM
SHORT TERM TRAINING PROGRAMME
ON

RECENT TRENDS IN RENEWABLE ENERGY SOURCES
RTRES-13

17th to 22nd June, 2013

Sponsored by
Indian Society For Technical Education, New Delhi - 110 016
and
SRM University, Chennai-600 033, Tamil Nadu, India

Co-ordinator
Dr. DURADUNDI SAWANT BADKAR
Dean R&D and Professor, Mechanical Engg. Dept.

Organized by
Department of Mechanical Engineering
Holy-wood Academy's
SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth,
Panhala, Tal. Panhala, Dist. Kolhapur-416201
Phone : 0231-2686646, 2686600
Website : www.seti.edu.in

SANKESHWAR ENGINEERING & TECHNOLOGY INSTITUTE

SHORT TERM TRAINING PROGRAMME

On

RECENT TRENDS IN RENEWABLE ENERGY SOURCES

(RTRES-13)

From 17th to 22nd June2013

LIST OF REGISTERED PARTICIPANTS

Sr.No.	Name of the Participant	Name of the Institute	Branch	Signature	LM No.
1	Avinash Maruti Patil	PVPIT, Budhgaon	Mechanical		LM-24937
2	Patil S.R. LM13760	PVPIT, Budhgaon	Mechanical		LM-13760
3	Katkar Ajit Ashok	SETI, Panhala	Mechanical		
4	S.M.Gidaveer	TKIET, Warananagar	Mechanical		Appl
5	S.V.Lingraju	TKIET, Warananagar	Mechanical		Applied
6	Saurabh Sanjay Joshi	KITCOE, Kolhapur	Environmental		Applied
7	Kiran Madhukar Kangle	KITCOE, Kolhapur	Environmental		Applied
8	Ingavale B.C.	KITCOE, Kolhapur	Environmental		
9	Karkar Amar Akaram	KITCOE, Kolhapur	Environmental		Appli
10	R.A Kahrade	DACOE,Karad	Electronics		
11	Abhijeet T. Bhosale	SETI, Panhala	Mechanical		
12	Khandekar Shailesh Baburao	RMCET, , Ratnagiri	Mechanical		Applied for
13	Sardar B.Deshmukh	SETI, Panhala	Mechanical		
14	Dr. Veena R. Naik	K.J. Somaiya Mumbai.	Sci & Huma.		LM 21288
15	Megha Kandekar	KLS'VP Poly, Belgaum.	Architecture		LM 33960
16	Mrs. Pratiksha Navelkar	KLS'VP Poly, Belgaum	Architecture		Applied for
17	Shivanagouda B. Patil	Hirasugar Inst. Of Tech., Nidasoshi.	Elect&Elex		
18	Dr.Anwar M. Mulla	ADCET, Ashta	Electrical		
19	S.T. Patil	TKIET, Warananagar	Chemical		LM 3278
20	Onkar B. Heddurshetti	Hirasugar Inst. Of Tech., Nidasoshi.	Elect&Elex		
21	C.G.Harge LM- 13761	PVPIT, Budhgaon	Mechanical		LM-13761
22	Mrs.Manisha R.Kandgaonkar	SETI, Panhala	Electrical		LM-77537
23	P.P Mhalagi Malage	Dr.JJMCOE,Jaysingpur	Mechnical		LM-37722
24	Ashish R. Patel	BVM,Gujrat	Electrical		
25	R. RamKumar	Annamalaia University	Mechanical		
26	Gaurangkumar K. Sharma	BVM,Gujrat	Electrical		
27	Deepak Yashwant Tambe	RMCET, , Ratnagiri	Mechanical		

28	Dr. Kulkarni Ramchandra K.	TSSM's PVPIT, Pune	Mechanical	—	—
29	Roshan Mukund Acharekar	RMCET, , Ratnagiri	Automobile	—	—
30	S.G.Aravindakumar	SETI, Panhala	Mechanical		
31	S.L.Ghodake	SETI, Panhala	Automobile		
32	Kedar R Mane	SETI, Panhala	Electrical		Applied for

ISTE - SRM SHORT TERM TRAINING PROGRAMME

Holy-wood Academy, Kolhapur

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE, PANHALA- 416201

Tal : Panhala, Dist : Kolhapur, Maharashtra State, India

Certificate of Participation

This is to certify that, Mr./Mrs./Dr./Prof. Abhijeet T. Bhasale, SETI Panhala-416201, Dist: Kolhapur M.S., India has participated in the ISTE - SRM Short Term Training Programme on **"Recent Trends in Renewable Energy Sources (RTRES-13)"** Organized by **Sanjeevan Engineering and Technology Institute, Panhala-416201** and Sponsored by **Indian Society for Technical Education, New Delhi and SRM University, Chennai** during **17th to 22nd June, 2013.**

Dr. Duradundi S. Badkar
Co-ordinator

Dr. Vikram S. Patil
Principal

Dr. S. Basil Ganappa
Executive Secretary, ISTE

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE, PANHALA,
DEPARTMENT OF MECHANICAL ENGINEERING

FEEDBACK FORM

1] The knowledge of the subject matter that gets discussed during interactions

A. Poor B. Average C. Good D. Excellent

2] Methodology Used

A. Poor B. Average C. Good D. Excellent

3] The methods used to explain or to answer clarifications

A. Poor B. Average C. Good D. Excellent

4] Clarity of communication

A. Poor B. Average C. Good D. Excellent

5] Interaction during the session

A. Poor B. Average C. Good D. Excellent

6] The Whole Course/lecture rating

A. Poor B. Average C. Good D. Excellent

Any Suggestion: ——

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