

Date: 22.11.18

To

The HoD,
ECE Dept,
GCET,
Cheeryala

Subject: Permission to conduct Two-day training on Xilinx Vivado and Zync boards to faculty -Reg.

Respected Sir,


We have VLSI Design course offered to B.Tech students in the upcoming even semester, also new lab has been setup with Xilinx Vivado software installed in Block -I, III rd floor Room no. 316. Hence, it is identified that there is need for Two-day Training to Faculty on Xilinx Vivado software usage and Zynq Boards. We request you to permit us to conduct free training session offered by Xilinx vendor on 3rd and 4th of December 2018. Agenda for the training is enclosed.

Thanking you Sir,

Professor Incharge : Prof. OVPR. Siva kumar
Course Coordinator: Ms. S.Yagnasree

Permitted
for
22/11/2018
HOD-ECE

Coordinator,


S.Yagnasree
Assistant Professor,
ECE Dept.


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Training on Xilinx Vivado with ZYNQ Architecture

About CoreEL Technologies

CoreEL Technologies is a technology company with businesses spread across design services & product development, distribution and training. Head Quartered in Bangalore, India, CoreEL is a leading provider of VLSI & Embedded System design services and Intellectual Property. Since its inception in 1999, CoreEL Technologies a privately held corporation has always strived to deliver quality solutions & support in all the business areas that it serves.

Our Services offerings include Distribution of Silicon solutions, EDA tools, COTS products, Engineering Services (Turn Key Systems Design, Turn Key FPGA Design and High Speed PCB Design), Education and Manufacturing. These services are offered to our broad customer base comprising Defense and Aerospace, Telecommunication and Networking, Homeland Security, Broadcast Video and Education segments.

CoreEL University Program

Industry Needs, Colleges Deliver, We enable excellence!!!

CoreEL University Program provides Eco-System support to Indian Academia in Engineering Higher Education, in the field of embedded systems thereby enabling the delivery of quality education. CoreEL university achieves this by providing state of the art products from XILINX, MENTOR GRAPHICS, MATLAB, VxWorks (WIND RIVER), Speedgoat (Rapid Controller Prototyping, Hardware-in-the-Loop simulation, and deployment,) PCB Design Tools from Mentor Graphics ,Analog Discovery Kits from Digilent (Analog Discovery kit can replace the conventional regulated power supply, Function Generator, Oscilloscope, and smaller parts like Bread board etc with one portable, compact and power effective and low cost solution!) to universities Multiyear application engineering support on these products Faculty and student training, providing industry specific inputs to update the curriculum and helping universities set up Centers of Excellence in Embedded Systems area.

1. VLSI Lab infrastructure setup assistance as per the course curriculum of institutions
2. EDA Tools installation and enabling the tools utilization through customized training offerings
3. Domain specific workshop modules to address the requirements of research enthusiasts
4. Technical support services for academia community in their R & D activities
5. Campus Trainings for the students in the FPGA, VLSI,ASIC, Embedded domains.


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Training Schedule:

Day 1:

7-Series Architecture Overview

- **Lab 1: Vivado Design Flow**
 - Use Vivado IDE to create a simple HDL design. Simulate the design using the XSIM HDL simulator available in Vivado design suite. Generate the bitstream and verify in hardware.
- Synthesis Technique
- **Lab 2: Synthesizing a RTL Design**
 - Synthesize a design with the default settings as well as other settings changed and observe the effect.
- Implementation and Static Timing Analysis
- **Lab 3: Implementing the Design**
 - Implement the synthesized design of previous lab, perform timing analysis, generate bitstream, download the bitstream and verify the functionality, Xilinx Design Constraints

Day 2:

Hardware Debugging

- **Lab 4: Hardware Debugging**
 - Use Mark Debug feature and also available Integrated Logic Analyzer(ILA) core (available in IP Catalog) to debug the hardware.
- Introduction to Embedded System Design using Zynq
- **Lab 5: Simple Hardware Design**
 - Create a Vivado project and use IP Integrator to develop a basic embedded system for a target board.
- Zynq Architecture
- Extending the Embedded System into Programmable Logic
- **Lab 6: Adding Peripherals in Programmable Logic**
 - Extend the hardware system by adding AXI peripherals from the IP catalog.
- Adding Your Own IP Peripheral

Technical Resource Persons:

Nagendra Bandi, Application Engineer, Coreel Technologies (nagendra.b@coreel.com)

Rajesh Murugan, Application Engineer, Coreel Technologies (rajesh.m@coreel.com)


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Faculty Development Program on Xilinx Vivado with ZYNQ Architecture for Sem-II of AY 2018-19

Xilinx Vivado training program is going to be conducted on 03/12/18 and 04/12/18 to all the faculty members handling the DDVH Lab and VLSI Lab. The following is the program schedule.

Date	Forenoon(9.30 AM to 3.30 PM)
03/12/18	<p>7-Series Architecture Overview</p> <ul style="list-style-type: none">• Lab 1: Vivado Design Flow<ul style="list-style-type: none">➤ Use Vivado IDE to create a simple HDL design. Simulate the design using the XSIM HDL simulator available in Vivado design suite. Generate the bitstream and verify in hardware.• Synthesis Technique• Lab 2: Synthesizing a RTL Design<ul style="list-style-type: none">➤ Synthesize a design with the default settings as well as other settings changed and observe the effect.• Implementation and Static Timing Analysis• Lab 3: Implementing the Design<ul style="list-style-type: none">➤ Implement the synthesized design of previous lab, perform timing analysis, generate bitstream, download the bitstream and verify the functionality, Xilinx Design Constraints
04/10/18	<p>Hardware Debugging</p> <ul style="list-style-type: none">• Lab 4: Hardware Debugging<ul style="list-style-type: none">➤ Use Mark Debug feature and also available Integrated Logic Analyzer(ILA) core (available in IP Catalog) to debug the hardware.• Introduction to Embedded System Design using Zynq• Lab 5: Simple Hardware Design<ul style="list-style-type: none">➤ Create a Vivado project and use IP Integrator to develop a basic embedded system for a target board.• Zynq Architecture• Extending the Embedded System into Programmable Logic• Lab 6: Adding Peripherals in Programmable Logic<ul style="list-style-type: none">➤ Extend the hardware system by adding AXI peripherals from the IP catalog.• Adding Your Own IP Peripheral

Resource Person: Nagendra Bandi, Application Engineer, CoreEL Technologies

Co-ordinator: S.Yagnasree, Assist. Professor, ECE Dept


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Cheeryal (V), Keesara (M), Medchal Dist., Pin Code: 501 301

Department of ECE

REPORT ON

" 2 Day FDP on Xilinx Vivado with ZYNQ Architecture "

Held on 3rd and 4th Dec 2018

Department of ECE, Group V organized a **" 2 Day Faculty Development program on Xilinx Vivado with ZYNQ Architecture", on 3rd and 4th Dec 2018**, for faculty of ECE handling the DDVH lab, VLSI lab course for ECE III Year students, during A.Y 2018-19. Through this program, the lab handling faculty was trained in various aspects like 7-Series Architecture Overview, Synthesis Technique, Implementation and Static Timing Analysis, Hardware Debugging, Introduction to Embedded System Design using Zynq, execution using software Xilinx Vivado. Ten faculty members have attended this program and performed the experiments as per Autonomous syllabus requirements.

Resource Person: Nagendra Bandi,

Application Engineer, CoreEL Technologies

Co-ordinator: S.Yagnasree, Assist. Professor, ECE Dept.

Convenor: O.V.P.R. Shiva Kumar

Participants:

1. Prof. O.V.P.R. Shiva Kumar
2. Ms. S.Yagnasree
3. Ms. B.Mamatha
4. B. Jugal Kishore
5. M. Chattar Singh
6. Ch. Sandeep
7. Ms. M. Lakshmi
8. Ms. A R L Padmaja
9. K. Chalapathi Rao


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Schedule:

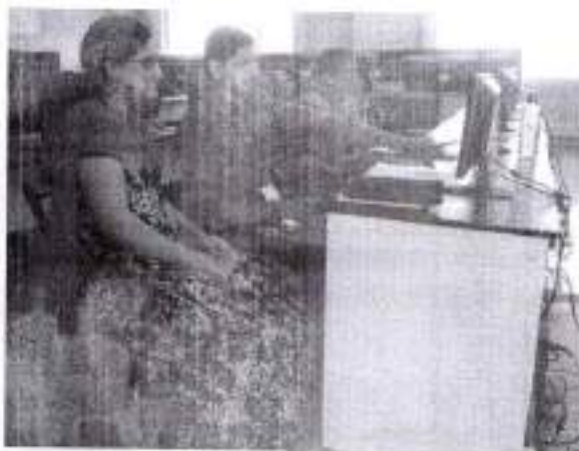
Date	Forenoon(9.30 AM to 3.30 PM)
03/12/18	<p>7-Series Architecture Overview</p> <ul style="list-style-type: none">• Lab 1: Vivado Design Flow<ul style="list-style-type: none">➤ Use Vivado IDE to create a simple HDL design. Simulate the design using the XSIM HDL simulator available in Vivado design suite. Generate the bitstream and verify in hardware.• Synthesis Technique• Lab 2: Synthesizing a RTL Design<ul style="list-style-type: none">➤ Synthesize a design with the default settings as well as other settings changed and observe the effect.• Implementation and Static Timing Analysis• Lab 3: Implementing the Design<ul style="list-style-type: none">➤ Implement the synthesized design of previous lab, perform timing analysis, generate bitstream, download the bitstream and verify the functionality, Xilinx Design Constraints
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Photos

Day 1- FN Session:

Day 1 - AN Session:



Day 2 - FN Session:



Day 2 - AN Session:



Feedback summary

The Feedback is obtained from faculty members who attended the workshop as follows:

1. The FDP was applicable to my area of interest.
100: % rated as strongly agreed.
2. The program was well paced within the allotted time.
66.7: % rated as strongly agreed,
33.3: % rated as agree to large extent.
3. The instructors were good communicators.
77.8: % rated as strongly agreed,
22.2: % rated as agree to large extent
4. The material was presented in an organized manner.
33.33: % rated as strongly agreed,
55.56: % rated as agree to large extent,
11.2: % rated as agree
5. The instructors were knowledgeable on the topics.
77.7: % rated as strongly agreed,
22.23: % rated as agree to large extent.
6. The FDP improved my understanding of the topics.
66.7: % rated as strongly agreed,
33.3: % rated as agree to large extent.
7. I understood the concepts presented in the FDP
55.56: % rated as strongly agreed,
44.45: % rated as agree to large extent.
8. The knowledge and skills I learned will be useful to me in my professional career.
77.7: % rated as strongly agreed,
22.23: % rated as agree to large extent.
9. I would attend other FDP offered by these facilitators in future.
77.8: % rated as strongly agreed,
22.23: % rated as agree to large extent.
10. What did you most appreciate/enjoy/think was best about the course?
Introduction to Zynq zybo board and practical sessions on the board
11. Any suggestions for improvement?
Demo with real time applications to be done. FDP to be conducted for a week.

Faculty coordinator

Ms. S.Yagnasree, Assist Prof

Group Head

Prof.O.V.P.R Siva Kumar

HoD,ECE

Prof.B.Hari Kumar

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Report
on
One-week Faculty Development Program
on
“Electromagnetics and its Applications
with Hands-on Sessions using
MATLAB”

26th November -1st December 2018

by

Dr. R.S. Raju
Professor
Department of ECE




...Striving Towards Perfection

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1. Overview of the FDP

A one week Faculty Development Programme (FDP) was successfully conducted during 26th Nov -1st Dec, 2018 by Department of ECE. The FDP programme received an overwhelming response with participation of 48 faculty members from various Engineering colleges of Telangana and Participants from Industry. 17 participants out of 48 are from reputed organisations like NGIT, MGIT, VBIT etc. This FDP is organised in association with IETE Hyderabad centre. FDP was inaugurated by Honourable Chief Guest Dr. V.M. Pandhari Pande on 26th Nov 2018. This FDP was intended to provide opportunity for young faculty members working in engineering colleges and research scholars to enrich their depth and breadth of knowledge in the area of Electromagnetics. The hands-on sessions are designed to improve their programming skills and provide a thorough exposure to MATLAB usage. Electromagnetics is a fundamental area for various undergraduate programs namely ECE, EIE, ECM, ETM and EEE in their 2nd year 1st or 2nd Semesters. These courses are pre-requisites for Antennas and Wave Propagation, Microwave Engineering and Radar Systems. The FDP was planned with 60% of total sessions on theoretical concepts and 40% as hands on experience. One day Industrial visit is planned on 4th day of FDP. At the final session, feedback was taken from the participants.

In addition to 3 internal resource persons, the FDP was graced by four external resource persons, namely:

- | | | | |
|----|----------------------------|---|-------------------------------|
| 1. | Dr. V.M. Pandhari Pande | - | Osmania University, Hyderabad |
| 2. | Dr. P.V.D. Somashekhar Rao | - | GNITS, Hyderabad |
| 3. | Dr. B. Sarala | - | RCI, Hyderabad |
| 4. | Dr. N.V.S.N. Sharma | - | Professor of ECE, NITW |

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www.geethanjali.edu.in

FDP material (File, note book, pen and ID card of the FDP) was distributed to all participants at the time of registration. Attendance was taken from the participants on a daily basis (FN & AN). At the end of the FDP, a test was conducted to the participants. The test is for 10 Marks which are also divided into grades as per the following table. The intension of the test was to motivate the participants to be serious about the presentations and to bring sportiveness among the participants so that they are highly benefitted with the deliberations by the reputed speakers.

Grade	Marks
A+	8 To 10
A	6 To 7
B+	3 To 5
B	0 To 2 or Absent

The FDP was concluded with the speech of valedictory function's chief guest Dr. N.V.S.N. Sharma. The general feedback and suggestions of participants on the FDP is also included. A group photo of all participants is placed at the end of this report. The FDP proposal and its approval letter, FDP brochure, Day-wise schedule of resource persons along with topics, list of participants, question paper, Marks and grades obtained by the participants, sample participation certificate and detailed statement of income & expenditure are enclosed in Annexures-I to VIII, respectively.


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2. DAY-WISE BRIEF SUMMARY

2.1 Inaugural function

The programme was inaugurated in the morning at Seminar Hall, Block -1 on 26th Nov 2018 by Chief Guest Dr. V.M. Pandhari Pande, in the presence of Dr S.Udaya Kumar, Principal, GCET, Prof. B. Hari Kumar, HoD of ECE and Dr. R.S. Raju, Coordinator of FDP.



Presentation of bouquet to Chief guest



**Lighting of lamp by the Chief Guest
Dr. V.M. Pandhari Pande**



**Key note address by the Chief Guest
Dr. V.M. Pandhari Pande**



**Addressing the gathering by
Dr S. Udaya Kumar, Principal**

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**Prof.B.Hari Kumar, HoD(Convenor),
addressing the gathering**



**Dr R.S.Raju, Professor and Coordinator
of FDP ,addressing the gathering**



**Dr S. Udaya Kumar, Principal of GCET,
felicitating the chief guest**



**Prof B. Harikumar, HoD is presenting
the memento to the chief guest**

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2.2 Presentations by Resource Persons



Day	1
Date	26/11/2018
Time	12:45-03:30
Title	Coordinate Systems
Name of the Resource person	Prof B. Hari Kumar HoD, Department of ECE, Geethanjali College of Engineering and Technology, Hyderabad

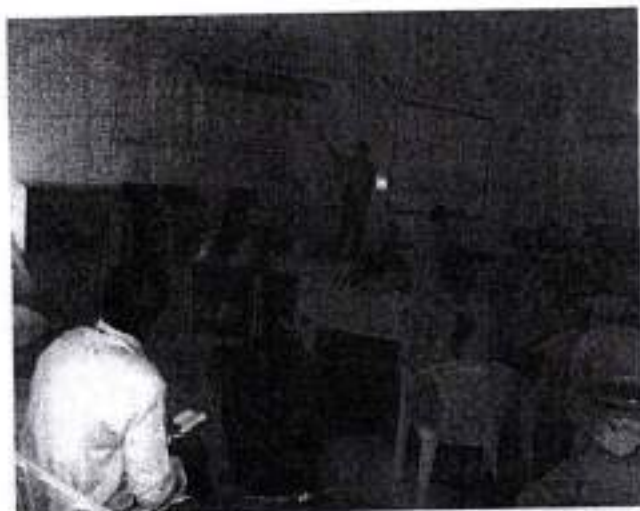
Summary of the Lecture

In this session, Prof B. Hari Kumar has explained the importance of coordinate systems and they can be broadly classified as:

- Rectangular Coordinate System
- Cylindrical Coordinate System
- Spherical Coordinate System

He also demonstrated cylindrical coordinate system using bottle gourd and rectangular coordinate system using planar sheets. He explained the unit vectors and directions corresponding to coordinate systems. He further explained concepts of differential length, differential area and differential volume in terms of all the three coordinate systems.

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Day	2
Date	27/11/2018
Time	09:00-10:30
Title	Electrostatics
Name of the Resource person	Prof B.Hari Kumar HoD, Department of ECE, Geethanjali College of engineering and technology, Hyderabad

Summary of the Lecture


- Prof B.Harikumar explained the rules governing electrostatics:
 - a) Coulombs Law
 - b) Gauss law
- He also explained types of charge distributions like Point Charge, Line Charge, Surface Charge and Volume charge.
- Importance of Laplace's and Poisson's equations are discussed.


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	Day	2
	Date	27/12/2018
	Time	10:45 am-1:00 pm
	Title	Magnetostatics
	Name of the Resource person	Dr. R.S. Raju

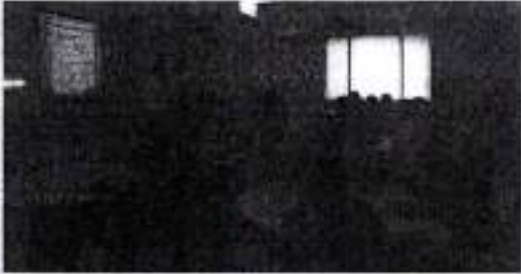
Summary of the Lecture

- Dr.R.S.Raju started the session by demonstrating TWT.
- He explained the concepts of magnetic fields and the laws governing Magnetostatics such as a) Biot Savarts law and b) Amperes Circuital Law
- He emphasised on Maxwells equations and their importance in the field of electromagnetic Theory

	Day	2
	Date	27/11/2018
	Time	1:30-3:30
	Title	Lab session-I
	Name of the Resource person	Mr. P. Naresh Kumar


Summary of the Lecture: Hands-on sessions were conducted using MatLab

Topic: Matlab Programs on Vector Analysis

	Day	3
	Date	28/11/2018
	Time	9:00am-12:30pm
	Title	Maxwell's Equations
	Name of the Resource person	Dr.P.V.D.S omashekar Rao

Summary of the Lecture

- Dr.P.V.D Somashekar Rao has explained the significance of Maxwell's equations
- He also explained about concepts of wave propagation

	Day	3
	Date	28/11/2018
	Time	1:30-3:30
	Title	Lab session -II
	Name of the Resource person	Shri P. Naresh Kumar


Summary of the Lecture

MatLab Programs on electrostatics.

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Day	4
Date	29/11/2018
Time	10:00am-3:30pm
Title	Industrial Visit
Name of the Organization	Indian Meterological Department



	Day	5
	Date	30/11/2018
	Time	9:30am-12:30pm
	Title	Wave Propagation
	Name of the Resource person	Dr B.L. Prakash


Summary of the Lecture


- Dr. B.L. Prakash explained the concepts of wave propagation
- He also explained the concept and importance of pointing vector
- He explained concepts of Brewster angle, Critical angle and polarization
- Concepts of transmission and reflection coefficients were also explained

	Day	5
	Date	30/11/2018
	Time	1:30pm-3:30pm
	Title	Lab Session-III
	Name of the Resource person	P.Naresh kumar

Summary of the Lecture





Matlab programs on magnetostatics and At the end written exam was conducted

	Day	6
	Date	1/12/2018
	Time	09:00am – 12:30pm
	Title	Transmission Lines
	Name of the Resource person	Dr. B. Sarala
Summary of the Lecture		
<ul style="list-style-type: none"> Dr.B.sarala has explained the significance of transmission lines and their primary and secondary constants. She also explained the significance of transmission lines in industry. 		

	Day	6
	Date	01/12/2018
	Time	13:15 – 14:45
	Title	Electromagnetics and its applications
	Name of the Resource person	Prof. N.V.S.N, Sharma
Summary of the Lecture		
<ul style="list-style-type: none"> Dr. N.V.S.N Sharma, Chief Guest for valedictory function gave the overview of electromagnetic field theory. He explained the significance of Maxwell's equations 		


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2.3 VALEDICTORY FUNCTION

	
<p>Dr R.S.Raju, Coordinator is presenting report on FDP</p>	<p>Prof B.Hari kumar, HoD, ECE is addressing the gathering</p>
	
<p>Dr R S Raju ,Dean R&D is addressing the audience</p>	<p>Dr S.Udaya kumar , Principal, GCET, is addressing the participants</p>

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Prof N.V.S.N.Sharma,NIT Warangal is addressing the gathering




Prof B. Hari Kumar felicitating the guest

Distribution of Participation Certificates



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3. Feedback from Participants


General:

The feedback of the participants was very positive. The summary of feedback is as given below:

1. Good opportunity to learn from all resource persons who were invited from reputed organisations such as of Osmania University, Hyderabad, GNITS, NIT, Warangal, Expert from DRDO R&D organisation RCI, and GCET.
2. The hands-on sessions were planned in such a manner that the participants were given problems related to electromagnetic to which analytical solutions are available. The given problem was analysed by working on MATLAB –the experience of which is highly useful to handle any electromagnetic problems of similar kind..
3. The contents were structured, planned and were organised and the faculty participants expressed their willingness to handle the courses on “Electromagnetics and Transmission lines” and related subjects.
4. The hospitality viz. transport facility, lunch and snacks were well organised.

On Resource persons:

S.No	Name of the resource person	On scale of 5
1.	Dr.V.M.pandhari Pande	4.2
2.	Dr.Somashekar Rao	4.3
3.	Dr.B.Sarala	4.3
4.	Dr N.V.S.N.Sharma	4.5
5.	Prof B.Hari Kumar	4.2
6.	Dr B.L.Prakash	4.0
7.	Dr.R.S.Raju	4.2


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4.Group Photo




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5. Detailed statement of income and expenditure

Income:

Outside participants registration fee (17*Rs 1000/-)= RS 17000/-

Expenditure:

1. Honorarium to four External resource persons : = Rs 27635 /-
2. Tea, snacks and lunch for participants and
Breakfast and lunch for recourse persons = Rs 11365 /-
3. Miscellaneous Expenditure = Rs 7666 /-
- Total expenditure = Rs 63,666/-
- College contribution = Rs 46,666 /-

Details of statement of income and expenditure are given in Annexure IX

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ANNEXURE-II

FDP Brochure

About the College

Geethanjali College of Engineering and Technology (GCET) was established in the year 2005 with the sole objective of providing quality technical education affordable to youth of our nation. The college has excellent infrastructure facilities and modern laboratories. It also has competent and dedicated faculty. The college is recognized as an R&D centre by Scientific and Industrial Research Organisation (SIRO). The college offers Undergraduate programs in engineering branches, namely, CSE, ECE, EEE, MRCN and CIVIL with a total intake of 340 students. Three of its Undergraduate programs, namely, CSE, ECE and EEE have been accredited by NBA in July 2015. The college was conferred "Autonomous" status by UGC with effect from Academic Year 2014-17 for a period of six years. The college was awarded by NAAC with Grade "A" in May 2017. It also received ISO 9000:2008 certification. The College offers postgraduate programs in MBA, M.Tech programs with two specializations in Embedded Systems and VLSI Systems Design in department of ECE, Power Electronics specialization in department of EEE and Computer Science specialization in department of CSE.

About ECE Department

The Department of Electronics and Communication Engineering (ECE) was started in the year 2005 with an initial intake of 60 students. Right from its inception, it is continuously striving to impart quality education and promoting competitive spirit among students for academic excellence. The intake was enhanced to 240, w.e.f. AY2011-12. The department has well equipped laboratories with good infrastructure. A good number of research papers are published by the faculty in National/International Conferences, Proceedings/Journals. The Department has signed MOUs with various organizations to provide on-site training to the students in the field of advanced communications, VLSI, Networking and Embedded Systems.

The department was sanctioned a DST project entitled "Design and Development of Multi-wavelength Laser Ruler" (SIDAR) with an overall budget of Rs.34.18 Lakh in the AY2016-17 which was successfully completed in AY2018-19. One more project entitled "Investigation of Linear Combinations of GNSS Measurements to Mitigate the Effect of Ionosphere and Multipath" was also sanctioned by DST with a grant of Rs. 21.3 Lakh and is being carried out. A Consultancy project entitled "Development of High Density Electron Emitter for use in Defense" is in progress for M/s VEM Technologies Pvt. Ltd. from Nov. 2016. The department was sanctioned by DRDO a major research project entitled "Development of novel carbon nano tube/polymer nano composite materials for EMI applications" in April 2018 with an overall budget of Rs.43.81 Lakh.

Aim of the Program

This FDP is intended for faculty members of engineering colleges and research scholars to enrich their knowledge in the field of Electromagnetics. It is also envisaged to cover the theoretical and design concepts, technologies involved in these fields. The basics of electromagnetics will be covered for a better understanding of the above areas. A hands-on training will be provided for electromagnetics modelling using MATLAB and the parameters can be measured using antenna measurement setup.

Topics to be covered

- Introduction to Coordinate Systems, Electromagnetics
- Electrostatics, Magnetic equations for static and time varying fields.
- Principles of wave propagation and different types of propagation.
- Transmission Lines, Waveguides, Smith chart

- EM applications and Opportunities for Research in related areas.

Expected Person

Engineers possessing with expertise in related fields from industry and prestigious academic institutions are invited.

Eligibility

Faculty of selected institutions with Electronics and Communications Engineering background and Research Scholars.

Registration and Fee Per Participant

Registration Fee: Rs. 1000/-

Participants are requested to register by filling in the registration form and send same to the Coordinator along with the DD in favour of "The Principal, Geethanjali College of Engineering and Technology", payable at Hyderabad. Spot registrations will be entertained subject to the seats left over, if any. Max. No. of participants will be restricted to 50 on a first come first served basis.

Registration Dates

Last date for receipt of registration form: 15-11-2018
Confirmation to the participants by: 20-11-2018
Timings: 9:00AM to 1:00PM

One Week (6 days)
Faculty Development Program
ON
"Electromagnetics and Applications"
November 26th - December 1st, 2018
Registration Form

Name:

Designation:

Organization:

Professional Experience:

Address for Communication:

Mobile:

E-mail:

Payment Details:

D.D. No. Date:

Bank: Branch:

Declaration

The information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the FDP.

Place:

Date: Signature of the Applicant:

SPONSORSHIP

Mr./Ms./Dr., is an employee of our institution and is hereby sponsored for attending the above FDP.

Place:

Date: Signature of the Principal:

Note: Registration form along with scanned copy of fee payment may be submitted through E-mail to regi.owf@gmail.com

ORGANIZING COMMITTEE

Chief Patron
Sri. G. Krishna Reddy
Secretary
Dr. B. Usha Rani
Principal
Convener
Prof. B. Uma Kumar,
HOD-ECE
Coordinator
Dr. P. S. Raja,
Professor, ECE and Dean, R&D
Advisory Committee
Dr. P. Vijay Kumar, Professor and Dean, Academic
Prof. K. Srinivasulu Rao, Dean, Teacher Affairs
Dr. C. V. Srinivasulu Rao, Professor, ECE
Dr. S. Srinivasulu Rao, Professor, ECE
Prof. O. V. R. Siva Kumar, ECE
Dr. S. Ramana Murthy, Professor, ECE
Dr. Latha Subash, Professor, ECE
Dr. V. Satya Subram, ECE, Professor

Organizing Committee
Mr. S. Krishna Kumar, Asst. Professor
Mr. P. Harish Kumar, Asst. Professor
Mr. Ch. Jyoti Kumar, Asst. Professor
Mr. R. V. N. R. Srinivas, Asst. Professor
Mr. A. Srinivas, Asst. Professor
Mr. B. Rama, Asst. Professor

Address for Correspondence:
Coordinator:
Prof. P. S. Raja
FDP on ECE, ECE Department
Geethanjali College of Engineering and Technology
Cheeraj (V), Medchal (Dist. Telangana - 501301)
Mobile: +91 9433723303
Email ID: raj.p.s@gmail.com



One Week (6 days)
Faculty Development Program
ON
"Electromagnetics and Applications"
November 26th - December 1st, 2018

In Association with CAS Chapter
(IEEE-Hyderabad Section)

Organized
by
Department
of
Electronics and Communications Engineering



GEETHANJALI COLLEGE OF ENGINEERING
& TECHNOLOGY
(Accredited by NBA and UGC Autonomous)
Cheeraj (V), Medchal (S.D), Medchal Dist.
PIN 501301, Tel No. : +91 912058180
Visit us: www.geethanjaliinstitutions.com
E-mail: info@geet.edu.in

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Cheeraj (V), Medchal (S.D), Medchal Dist. (T.S.) - 501301

FDP Schedule

A one week Faculty Development Program on
"Electromagnetics and its Applications"
 26th November – 1st December 2018

Date	9:00 – 10:30	10:45-12:15	12:45-14:15	14:30-15:30
Day-1 26/11/2018	Inauguration & key note address (Pantheri Pande)	Coordinate Systems (Prof. B. Hari Kumar)	Electrostatics-I (Prof. B. Hari Kumar)	Electrostatics-I (Prof. B. Louis Prakash)
Day-2 27/11/2018	Mathematics-I (Dr. R.S. Raja)	Mathematics-II (Dr. R.S. Raja)	Lab Session-I	Lab Session-II
Day-3 28/11/2018	Maxwell's Equations (Dr. R.S. Raja)	Wave Propagation-I (Prof. B. Louis Prakash)	Lab Session-III	Lab Session-IV
Day-4 29/11/2018	INDUSTRIAL VISIT	INDUSTRIAL VISIT	INDUSTRIAL VISIT	INDUSTRIAL VISIT
Day-5 30/11/2018	Wave Propagation-II (Prof. B. Louis Prakash)	Wave Propagation-III (Prof. B. Louis Prakash)	Lab Session-V	Lab Session-VI
Day-6 01/12/2018	Transmission lines-I (Prof. B. Hari Kumar)	Transmission lines-II (Prof. B. Hari Kumar)	EM Applications (N.Y.S. Sharma)	Validity of Function

Prof. R. Hari Kumar

ANNEXURE-IV

Gautamfali College of Engineering and Technology	
(Autonomous)	
D. No. 69/104 of S.S. 2	
Ward No. 3, B. K. Rd.	
Bilaspur, Chhattisgarh-491007	
Phone : 031-2541878	
Program Schedule - Inaugural session	
• Welcome Address	09:30 AM
• Lighting the lamp by the dignitaries on the dais	09:45 AM
• Lighting the lamp by Chief Guest and other Dignitaries	09:55 AM
• Introduction by Mr. Vaghasne and Mr. Bhambhani	10:05 AM
• Address by the JDE Coordinator, Dr. P. S. Raju	10:15 AM
• Address by the Convenor, Prof. H. Ran Kumar	10:30 AM
• Address from the Patron, Dr. S. Udaya Kumar	10:45 AM
• Address by the Chief Guest, Sri G. Ravinder Reddy	11:00 AM
• Introduction of the Chief Guest by Mr. A. Shrivastava	11:25 AM
• Address of the Chief Guest, Dr. M. Ramesh Babu	11:40 AM
• Presentation of the Certificate of Appreciation and memento	11:55 AM
• Vote of thanks by Dr. S. Manoj Kumar	12:10 PM
• Declaration of the inauguration of Bilaspur College of Engineering and Technology	12:15 PM
• Prayers	12:30 PM

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V. Kossara (Rd), Medical Dist. (T.S.) - 501 301

ANNEXURE-V
Question Paper
Geethanjali College of Engineering and Technology (Autonomous)
One Week FDP on

"Electromagnetics and its applications with hands-on session using MATLAB"
(26th Nov-1st Dec, 2018)

Name: _____

Organization: _____

1. Identify which of the following is not a transmission line?
a) Telephone lines b) Power transmission c) Underground cables d) Cavity Resonators
2. The relation between the skin depth and frequency is given by
a) Skin depth $\propto f$ b) Skin depth $\propto 1/f$ c) Skin depth $\propto \sqrt{f}$ d) Skin depth $\propto 1/\sqrt{f}$
3. Divergence Theorem is based on
a) Gauss law b) Stokes law c) Amperes law d) Lenz law
4. The Gaussian surface for a point charge will be
a) cube b) cylinder c) Sphere d) cuboid
5. Find the force on a conductor of length 12m and magnetic flux density 20 units when a current of 0.5A is flowing through it
a) 60 b) 120 c) 180 d) 200
6. For a conservative field which of the following equations holds good?
a) $\oint \mathbf{E} \cdot d\mathbf{l} = 0$ b) $\oint \mathbf{H} \cdot d\mathbf{l} = 0$ c) $\oint \mathbf{B} \cdot d\mathbf{l} = 0$ d) $\oint \mathbf{D} \cdot d\mathbf{l} = 0$
7. Which component of electric field intensity is always continuous at the boundary?
a) Tangential b) Normal c) Horizontal d) Vertical
8. In matched line, the transmission coefficient is
a) 0 b) 1 c) -1 d) Infinity
9. The intrinsic impedance in free space is
a) 60π b) 12π c) 6π d) 120π
10. The Brewster angle is the angle of
a) Incidence b) Reflection c) Refraction d) Transmission

ANNEXURE-VI

List of Participants

S.No	Name of the	Designation	Organization
1	B.Srija	Assistant Professor	VBIT
2	K.Srikanth	Assistant Professor	BRIG
3	Akash Kumar	-	VEM Technologies
4	D.Rohith	-	VEM Technologies
5	C.Srinivas	Assistant Professor	MGIT
6	Indra Babu	Assistant Professor	SVIT
7	Rajkumar Agarwal	Assistant Professor	SVIT
8	S.Vijaya laxmi	Assistant Professor	-
9	V.Praveena	Assistant Professor	NGIT
10	M.Zaheer Ahmed	Assistant Professor	MVSR
11	R.Narender	Assistant Professor	TKRCET
12	M.Bajibabu	Assistant Professor	VBIT
13	Y.Prakash	Assistant Professor	GNITS
14	Ch.Prathyusha	Assistant Professor	TKRCET
15	R.Kiran Chand	Assistant Professor	JJET
16	T.Anitha	Assistant Professor	MIETW
17	V.Anitha	Assistant Professor	GNITS
18	Dr.G.Neeraja Rani	HoD,S&H	GCET
19	J.Mrudula	Associate Professor	GCET
20	Ch.Pallavi	JRF	GCET
21	S.Jyothirmayee	Associate Professor	GCET
22	D.Sony	Assistant Professor	GCET
23	P.Chandra Prakash	Assistant Professor	GCET
24	M.Anand	Assistant Professor	GCET
25	M.Krishna	Assistant Professor	GCET
26	U.Appalaraju	Associate Professor	GCET
27	R.V.N.R.Suneel	Assistant Professor	GCET
28	P.Naresh Kumar	Assistant Professor	GCET
29	Ch.Suresh Kumar	Assistant Professor	GCET
30	M.Sowjanya	Associate professor	GCET
31	V.Sirisha	Assistant Professor	GCET


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32	A.R.L.Padmaja	Assistant Professor	GCET
33	B.Sreelatha	Associate Professor	GCET
34	B.Juagal Kishore	Assistant Professor	GCET
35	B.Ramu	Assistant Professor	GCET
36	M.Laxmi	Associate Professor	GCET
37	J.Bharathi	Assistant Professor	GCET
38	V.Venkata laxmi	Assistant Professor	GCET
39	S.Krishna Priya	Associate Professor	GCET
40	B.Mamatha	Assistant Professor	GCET
41	A.Sowjanya	Assistant Professor	GCET
42	S.Vasu Krishna	Associate Professor	GCET
43	S.yagnasree	Assistant Professor	GCET
44	B.Suneetha	Assistant Professor	GCET
45	M.Umarani	Assistant Professor	GCET
46	Y.Siva rama Krishna	Assistant Professor	GCET
47	Y.Nagalaxmi	Assistant Professor	GCET
48	L.kavya	Assistant Professor	GCET


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ANNEXURE VII

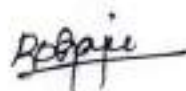
S.N o	Name of the Participant	Designation	College	Test Marks (Max:10)	Grade
1	B.Srija	Assistant Professor	VBIT	8	A+
2	K.Srikanth	Assistant Professor	BRIG	8	A+
3	Akash Kumar	-	VEM Technologies	7	A
4	D.Rohith	-	VEM Technologies	7	A
5	C.Srinivas	Assistant Professor	MGIT	8	A+
6	Indra Babu	Assistant Professor	SVIT	7	A+
7	Rajkumar Agarwal	Assistant Professor	SVIT	6	A
8	S.Vijaya laxmi	Assistant Professor	-	7	A
9	V.Praveena	Assistant Professor	NGIT	7	A
10	M.Zaheer Ahmed	Assistant Professor	MVSR	8	A+
11	R.Narender	Assistant Professor	TKRCET	8	A+
12	M.Bajibabu	Assistant Professor	VBIT	7	A
13	Y.Prakash	Assistant Professor	GNITS	6	A
14	Ch.Prathyusha	Assistant Professor	TKRCET	7	A
15	R.Kiran Chand	Assistant Professor	JIET	6	A
16	T.Anitha	Assistant Professor	MIETW	6	A


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17	V.Anitha	Assistant Professor	GNITS	7	A
18	Dr.G.Neeraja Rani	HoD,S&H	GCET	-	
19	J.Mrudula	Associate Professor	GCET	8	A+
20	Ch.Pallavi	JRF	GCET	7	A
21	S.Jyothirmayee	Associate Professor	GCET	7	A
22	D.Sony	Assistant Professor	GCET	7	A
23	P.Chandra Prakash	Assistant Professor	GCET	6	A
24	M.Anand	Assistant Professor	GCET	6	A
25	M.Krishna	Assistant Professor	GCET	6	A
26	U.Appalaraju	Associate Professor	GCET	7	A
27	R.V.N.R.Suneel Krishna	Assistant Professor	GCET	8	A+
28	P.Naresh Kumar	Assistant Professor	GCET	8	A+
29	Ch.Suresh Kumar	Assistant Professor	GCET	8	A+
30	M.Sowjanya	Associate professor	GCET	7	A
31	V.Sirisha	Assistant Professor	GCET	6	A
32	A.R.L.Padmaja	Assistant Professor	GCET	6	A
33	B.Sreelatha	Associate Professor	GCET	7	A
34	B.Jungal Kishore	Assistant Professor	GCET	8	A+
35	B.Ramu	Assistant Professor	GCET	8	A+
36	M.Laxmi	Associate Professor	GCET	7	A

37	J.Bharathi	Assistant Professor	GCET	7	A
38	V.Venkata laxmi	Assistant Professor	GCET	6	A
39	S.Krishna Priya	Associate Professor	GCET	7	A
40	B.Mamatha	Assistant Professor	GCET	7	A
41	A.Sowjanya	Assistant Professor	GCET	8	A+
42	S.Vasu Krishna	Associate Professor	GCET	6	A
43	S.Yagnasree	Assistant Professor	GCET	7	A
44	B.Suneetha	Assistant Professor	GCET	6	A
45	M.Umarani	Assistant Professor	GCET	6	A
46	Y.Siva rama Krishna	Assistant Professor	GCET	7	A
47	Y.Nagalaxmi	Assistant Professor	GCET	6	A
48	L.kavya	Assistant Professor	GCET	6	A


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Geethanjali College of Engineering and Technology

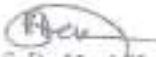
Date: August 14, 2018

Subject: Request for approval to organize One-Week FDP on "Electromagnetics".

Our ECE Department is proposing to organize a Faculty Development Program on "Electromagnetics and its Applications with Hands-on Session using MATLAB" from November 26 to December 01, 2018. The objective is to listen to the deliberations from expert members (internal and external) and interact with them face-to-face and can work jointly with them in the areas of mutual interest. Further, the hands-on session using MATLAB would highly benefit in handling practical EM problems.

The participants would be from both sciences and engineering streams of various engineering colleges working in electromagnetics and their related areas. The proposal may kindly be approved so that needful arrangements could be made. An approval may kindly be accorded to the following:

1. Transportation to external experts from (and to) their residence/office.
2. Honorarium
3. Lunch for external expert members
4. Bouquets for expert members
5. Tea and snacks for 40 members each day


(Prof. B. Hari Kumar)
Convener

Yours sincerely


(Dr. R.S. Raju)
Coordinator


Principal


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Cheerthol (V), Keerasa (M), R.R. Dist. (A.P.) - 501 243


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Cheerthol (V), Keerasa (M), Anaparthi Dist. (A.P.) - 501 243

R&D/05

Geethanjali College of Engineering and Technology

Department of Electronics and Communication Engineering

2018-19

Faculty Training program(FTP) on Digital Signal Processing lab

Date: 04/12/2018

The, Signal Processing Group is conducting a Faculty Training program on DSP lab from 05/12/18 and 06/12/18 with the following details .

Sl. No.	Timings & date	Details of the experiments to be handled by the leads
1	09:40 to 10:30 AM 05/12/18	<ul style="list-style-type: none"> • Introduction about FTP and its necessity. • Overview of experiments using MATLAB and SCILAB by the group head Dr.C.V.Narasimhulu
2	10:30 to 12:30 AM 05/12/18	<ul style="list-style-type: none"> • Generation of sinusoidal signal based on recursive difference equation using MATLAB -Dr. V.Vineel kumar • Implementation of FFT of given sequence. Dr. V.Vineel kumar • Implementation of LP FIR filter for a given sequence- R.Odaiah • Implementation of HP FIR filter for a given sequence.- R.Odaiah • Implementation of LP IIR filter for a given sequence- R.Odaiah • Implementation of HP IIR filter for a given sequence R.Odaiah
3	01:30 to 03:30 PM 05/12/18	<ul style="list-style-type: none"> • Practice session
4	10:30 to 11:30 AM 06/12/18	<ul style="list-style-type: none"> • Implementation of I/D sampling rate converters-L.Kavya • Noise removal- L.kavya • Time frequency analysis of given non stationary signals-Y.Shiva rama Krishna • Determination of Power Spectrum of a given signals-K.Victor
5	11:30 to 12:30 PM 06/12/18	<ul style="list-style-type: none"> • Practice session

Lab in charge

Mrs.L.Kavya

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P.O. - 501 301

Dr.C.V.Narasimhulu

Professor and Head, Signal processing Group

Geethanjali College of Engineering and Technology (Autonomous)
Department of ECE

Date: 10-01-2019

Report on One and half day Faculty Training Program on Digital Signal Processing Lab from.05.12.2018 to 06.12.2018


List of faculty members present and not present is given in the below table

S.No	Name of the Faculty	05.12.2018 FN	05.12.2018 AN	06.12.2018 FN
1	Dr. C.V.Narasimhulu	P	P	P
2	Dr.V.Vineel kumar	P	P	P
3	Mr. A.Shanker	A	A	A
4	Mr.R.Odaiah	P	P	P
5	Ms. L.Kavya	P	P	P
6	Mr. B.Ramu	P	P	P
7	Mr. K.Victor	A	A	P
8	Y.Sivarama Krishna	P	P	P
9	Mr.M.Anand	P	P	P
10	Mr.D.Vivekananda	P	P	P
12	Mr.K.Venkateshwarlu	P	P	P

P: Present A: Not Present

Details of the training given by faculty along with their topics in this 2-day program are given in the below table:

S. No.	Name of the Faculty	Date and Time	Topics Covered
1	Dr.C.V.Narasimhulu	05-12-2018FN	1. Brief introduction on DSP Laboratory 2. Created awareness on different software available for numerical computations namely MATLAB, SCI Lab,OCTAVE,FREE MAT, R and IDL 3. Similarities and differences, merits and demerits of above softwares. 4. The alternative Open source based solutions to MATLAB are also


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			illustrated with examples
2	Mr.V.Vineel Kumar	05.12.2018 FN	1.Explained Exp No. 1 and 4 .titled "generation of sinusoidal signal" 2. Explained Exp No. 4 namely "Fast Fourier Transform algorithm" and also comparison between DFT and FFT algorithms.
3	R.Odaiah	05.12.2018 FN	1.Exp No.6 and 7 namely FIR LP and HP filter design are described 2. Exp No.8 and 9 namely IIR LP and HP filter design are explained 3.Differences between above filters are clarified
4	Practice session	05.12.2018 AN	Practice session on 1 st day AN Session
6	Y.Shivaramakrishna	06.12.2018 FN	Explained Exp Nos. 10 namely Time frequency analysis of given non stationary signals".
7	Mrs.L.Kavya	06.12.2018 FN	Explained Exp no 16 and Exp no 14 titled "Noise Removal"and "Implementation of I/D sampling rate converters".
9	Mr.R.Odaiah	06.12.2018 FN	1. Importance of frequency analysis and impulse response 2. Exp nos. 3 and 16 listed as Frequency response analysis and impulse response
10	Mr.K.Victor	06.12.2018 FN	Exp no 5 namely "Determination of Power Spectrum of a given signals"


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In addition to Group Head and Leads, four more faculty voluntarily came forward to give training to the Group Members. This was encouraged by the Group Head.

Overall Summary:

Twelve faculty members were benefited by this training program and 12 experiments were covered out of 16 experiments (As per JNTUH Curriculum, minimum 12 experiments are needed). This training will definitely help to improve the Teaching – Learning process of the faculty. Faculty got exposed to various software tools available in addition to MATLAB.



Lab In charge
Mrs.L.Kavya



Dr.C.V.Narasimhulu
Professor and Head, Signal processing Group



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Cheerla (V), Kalesasa (M), Medchal Dist. (T.S.) - 501 301

GEETHANJALI COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous)

Department of Electronics and Communication Engineering

MICROWAVE ENGINEERING AND DIGITAL COMMUNICATIONS LABORATORY

Report on In-house 3-day FDP during 19th – 21st June, 2019

Objective: To build full confidence (among all faculty members) to provide practical and relevant theory so that guidance/demonstration will be provided to the students and the absence of any member is not felt.

The In-house FDP on MWE & DC lab was conducted for 3 days during the month of June, 2019, according to the schedule given below. Every faculty member has performed every experiment and the results were recorded.

Date	Time	Experiment
19-6-19 (Wednesday)	10:00 AM – 12 PM	1. Reflex Klystron Characteristics 2. Gunn Diode Characteristics 3. Directional Coupler Characteristics
	1:00 PM – 3 PM	4. PCM Generation and Detection 5. Differential Pulse Code Modulation 6. Delta Modulation
20-6-19 (Thursday)	10:00 AM – 12 PM	1. VSWR Measurement 2. Measurement of Waveguide Parameters 3. Measurement of Impedance of a given Load
	1:00 PM – 3 PM	4. QAM : Generation and Detection 5. DPSK: Generation and Detection 6. QPSK: Generation and Detection 7. Study of the spectral characteristics of QPSK.
21-6-19 (Friday)	10:00 AM – 12 PM	1. Measurement of Scattering parameters of a Magic Tee 2. Measurement of Scattering parameters of a Circulator 3. Attenuation Measurement 4. Microwave Frequency Measurement
	1:00 PM – 3 PM	5. Frequency shift keying: Generation and Detection 6. Phase Shift Keying: Generation and Detection 7. Amplitude Shift Keying: Generation and Detection


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The following faculty were attended the FDP.

S. No.	Name of the Faculty	Designation
1	Dr RS Raju	Professor
2	Dr Leela Prakash	Associate Professor
3	Ms S.Krishna Priya	Associate Professor ,Course Coordinator
4	Ms Y Naga Lakshmi	Assistant Professor
5	Mr B Ramu	Assistant Professor
6	Mr B.Jugal Kishore	Assistant Professor
7	Mr RVNR Suneel Krishna	Assistant Professor
8	Mr P Naresh Kumar	Assistant Professor
9	S.Spandana	Assistant Professor

Outcome: The faculty members handling MWE &DC lab for IV year I sem of A. Y. 2019-20 were trained for effectively conducting the lab.


Course coordinator


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GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY

(UGC Autonomous, Accredited by NAAC with 'A' Grade & NBA)

(Approved by AICTE and Permanently Affiliated to JNTUH)

Cheerla(V), Keesara(M), Medchal Dist., 501301

Department of Electronics and Communication Engineering

Date: 12.06.2019

CIRCULAR

Faculty Development Programme on

"Microwave and Digital communication Lab"

A three day Faculty Development Programme will be conducted from 19th to 20th June 2019 in Room No 315 (Microwave and digital communication lab) 9.30 am to 3:30 pm. The objective of this programme is to facilitate up- gradation of knowledge, enhance other skills of faculty and understanding of teaching pedagogy.

All the sessions will be interactive and more informative in nature. So new faculty members can clarify their doubts and also come up with suggestions. All the faculty members are requested to attend the programme.


Coordinators:

Mr.Ch. Suresh Kumar

Mr. P. Naresh kumar

Copy to

1. HOD for Circulation among staff


Head, Dept. of ECE
HEAD

Dept. of Electronics & Communication Engg.
Geethanjali College of Engg. and Tech.
Cheerla (V), Keesara (M), Medchal Dist-501 301.


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Date : 12-6-2019

To

The HOD-ECE,
GCET- Cheeryal,

Subject- Request for Conducting Internal FDP on Microwave and Digital communication Lab

Respected sir,

I, Ch.Suresh Kumar Asst Prof of ECE Department request to you to give permission to conduct a three days Internal FDP on "Microwave and Digital communication Lab", from 19th to 21st June 2019. As this lab is going to be conduct for IVth year ECE students during IV-I semester, this FDP will definitely help the newly joined faculty for smooth conduction of lab experiments.

Thanking you sir



Yours faithfully
Ch. Suresh kumar
Asst Professor-ECE


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GEETHANJALI COLLEGE OF ENGINEERING &
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DEPARTMENT OF ELECTRONICS AND
COMMUNICATION ENGINEERING

Report on
In-House FDP

Held from 19th to 21st June, 2019

Title: Microwave & Digital communication (MW&DC) Lab

Category: Faculty Development Program

Objective: To acquire knowledge on all Microwave and Digital communications lab experiments using Microwave bench setup and DC trainer kits.

Date: 19th-21st June 2021 (3days)

Organizers: Group-I (Department of Electronics & Communication Engineering)

Faculty Coordinator: Mr Ch. Suresh Kumar

Group head: Dr. R. S Raju

HoD-ECE: Prof. B. Harikumar

Participants: All MW and DC lab handling Faculty of ECE department

Report: Faculty Development Program was organized for three days from 19th to 21st ~~August~~ ^{June 2019} 2021. Day 1 program began with Welcome address by Mr.Ch. Suresh Kumar co ordinator, department of ECE. Group head Dr. R.S. Raju suggested the entire faculty to motivate the students to acquire knowledge about the wave guide components , different modulators and demodulators, detailed analysis of TDM, Digital modulation techniques and the utility of different microwave sources , VSWR meters.

The three day session was divided equally for microwave and digital communication experiments explained thoroughly by the respective faculty members under the guidance of group head Dr R. S. Raju .


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Day 1: Session started with experiments like Reflex klystron ,Gunn Diode , Directional coupler Characteristics, All the participants executed the experiments and verified the outputs. This session was explained by Dr R. S. Raju and clarified the doubts regarding wave guide components and other equipment needed for experimentation .



Day 2 Program began with the session on execution of design experiments such as Scattering parameters of Magic tee , Circulator , Measurement of Waveguide parameters by Ch. Suresh Kumar All the participants designed and verified the outputs of each experiment.




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In the afternoon, Session started with Digital communication experiments. Mr. P. Naresh Kumar briefly explained the concepts of all types of modulation and demodulations. Then, he demonstrated the generation and demodulation of pulse code modulation (PCM), Differential pulse code modulation (DPCM) and delta modulation (DM).



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Day3: Program began with Digital modulation schemes such as Amplitude Shift keying (ASK) , Frequency Shift keying (FSK) , Binary Phase Shift keying (BPSK) and Quaternary phase shift keying (QPSK) , Faculty were observed the outputs and drawn the outputs for a given binary sequence as a part of their exercise




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R&D/05

2018-19

Report
on
One-week Faculty Development Program
on
“5G and GNSS Positioning”

with Hands-on Sessions using MATLAB

17th June -22nd June 2019
by

Dr. V. Satya Srinivas

*Associate Professor, Department of ECE
Coordinator*



...Striving Towards Perfection

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(An UGC Autonomous Institution)

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1. Overview of the FDP

A one week Faculty Development Programme (FDP) on "5G and GNSS Positioning" was planned in association with IETE Hyderabad centre and successfully conducted during 17th - 22nd June 2019. The FDP programme received an overwhelming response with participation of 38 faculty members. 18 participants out of 48 are from institutes of high repute like Osmania University, CBIT, KMIT etc. Honourable chief Guest Dr.M.V.S.N. Prasad, Former Chief Scientist, National Physical Laboratory (NPL) inaugurated the FDP on 17th June 2019. In his speech, Dr.Prasad mentioned that the faculty and research scholars attending the FDP has to enrich their depth and breadth of knowledge in the areas of '5G and GNSS' and take up research and development activity. He stated that 5G is emerging field and young researchers can contribute by conducting active research, which would also benefit their institutions to get research projects.

This FDP was intended to provide conceptual understanding of critical aspects of '5G and GNSS' such as 5G receiver models, 5G/GNSS localization, Antenna technology for 5G and GNSS augmentation systems for improved accuracies. The hands-on sessions using MATLAB for 5G Receiver models, 5G localization, GNSS positioning and signal processing, were to provide a thorough exposure to concepts taught and implementation of the same, to accelerate their research career. An expert lecture on the scientific application of GNSS technology was also arranged to provide the knowledge on GNSS data processing for remote sensing ionosphere for earthquake studies.

Cellular mobile communication is a fundamental course for final year undergraduates of ECE. The 5G is emerging area and there is acute need for trained professionals. The FDP was planned with 60% of total sessions on theoretical concepts and 40% as hands on experience. Feedback was taken from the participants for the sessions organized. The experts/resource persons for the FDP are from institutes of high repute such as National Physical Laboratory

(NPL, New Delhi), Research Centre for Immarat (RCI, DRDO), DLRL (DRDO), Indian Institute of Geomagnetism (IIG, Mumbai), Osmania University, CBIT, SNIST and CMR Engineering colleges. In addition, two internal resource persons have also delivered lectures.

The FDP was graced by 10 external and two internal resource persons, namely:

Invited Guest Speaker	Designation & Affiliation
1. Dr. M.V.S.N Prasad	Former Chief Scientist, National Physical Laboratory, New Delhi, Hyderabad
2. Dr. Ashwani Kumar	Scientist 'G' and Additional Director, DLRL (DRDO), Hyderabad
3. Dr. Prashant Kumar Mishra	Scientist 'F', RCI (DRDO), Hyderabad
4. Dr. Mala S. Bagiya	Research Scientist, Indian Institute of Geomagnetism, Mumbai
5. Dr. K. Yedukondalu	Professor, Dept. of ECE, CVR College of Engg. & Tech., Hyderabad
6. Dr. S.P.V. Subba Rao	Professor and HoD, Dept. of ECE, Srinidhi Institute of Technology (SNIST), Hyderabad
7. Dr. P. Naveen Kumar	Associate Professor, Dept. of ECE Osmania University, Hyderabad
8. Dr. A. Supraja Reddy	Associate Professor, Dept. of ECE Chaitanya Bharathi Institute of Technology
9. Dr. T. RamaSwamy	Associate Professor, Dept. of ECE, Srinidhi Institute of Technology (SNIST), Hyderabad
10. Dr. D. Bhaskar	Assoc. Professor and HoD ECE, CMR Engineering College, Hyderabad
Internal Resource Persons	
11. Prof. B. Hari Kumar	Professor and HoD-ECE, Geethanjali College of Engineering and Technology Hyderabad
12. Dr. V. Satya Srinivas	Associate Professor, Dept. of ECE Geethanjali College of Engineering and Technology Hyderabad

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The registration kit (File, note book, pen and ID card) was given to the registered participants. Attendance on a daily basis (FN & AN) was taken during the FDP.

The FDP was concluded with the speech of valedictory function's chief guest Dr. Ashwani Kumar (Sc-'G', DLRL). In his speech, he mentioned that these kinds of events are necessary to get acquainted with advancements in the diversified fields of science and technology. Also said, its an opportunity for him to interact with the young faculty and researchers to share the knowledge and experience.

The Day-wise schedule of resource persons, general feedback and suggestions, group photo of all participants are included in appendix. The FDP proposal and its approval letter, FDP brochure, list of participants, detailed statement of income and expenditure and sample participation certificate towards organizing the FDP are enclosed in Annexures-I to VI, respectively.


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2. DAY-WISE BRIEF SUMMARY

2.1 Inaugural function

The programme was inaugurated in the morning at Seminar Hall, Block -1 on 17th June 2019 by Chief Guest Dr. M.V.S. Prasad, former Chief Scientist, NPL in the presence of Dr. K. Somasekhar Rao, Principal I/C, GCET, Convener of FDP Prof. B. Hari Kumar, HoD of ECE, Co-convenor Dr. P. Vijai Bhaskar, Professor ECE and Dean academics, and IETE Vice-chairman, Dr.C.V. Narasimhulu, Professor ECE.



Lighting of lamp by the Chief Guest Dr. M.V.S.N. Prasad



Key note address by the Chief Guest Dr. M.V.S.N. Prasad

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Prof.K.Somasekhara Rao, Principal I/C, **Prof.B.Hari Kumar, HoD ECE Convener,**
addressing the gathering *addressing the gathering*



**Dr. Vijai Bhaskar, Professor ECE and
 Dean Academics (Co-Convener) ,**
addressing the gathering



**Dr. V. Satya Srinivas, Assoc. Professor
 ECE and Coordinator ,**
addressing the gathering: FDP overview



Dr K. Somasekahara Rao, Principal I/C
felicitating the chief guest




Prof. B. Hari Kumar, HoD ECE
Presenting Memento to the chief guest

Details of Presentations

Resource Persons


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2.2 Presentations by Resource Persons

	Day	1
	Date	17/06/2019
	Time	11:00-12:30
	Title	mm-Wave propagation path loss modeling
	Name of the Resource person	Dr.M.V.S. N Prasad <i>Former Chief Scientist, National Physical Laboratory (NPL), New Delhi</i>

Summary of the Lecture

In this session, Dr.M.V.S.N Prasad has explained the path loss modeling for 5G communication system. The key topics discussed are:

- Why mm-Wave frequencies for 5G
- Propagation loss at mm-Waves
- Performance of mm-Wave cellular networks
- Lessons learnt using Physics Based Macro models.

He also showed the experimental results of path loss at 28 GHz and 38 GHz, and stressed on performance of Hata, COST 231 and SUI models. The need for modeling for Indian conditions is highlighted. He explained the effect of rain and water vapour attenuation at mm-wave frequencies over Indian continent with experimental results. He further explained Physics based macro model for analysis of Radio wave Propagation in wireless transmission.



Day	1
Date	17/06/2019
Time	01:00-03:30
Title	5G Technologies and RRM
Name of the Resource person	Dr. SPV Subba Rao Professor and HoD, Department of ECE, <i>Sreenidhi Institute of Science and Technology</i>

Summary of the Lecture

- Prof. S.P.V. Subba Rao explained the Key Technologies of 5G and Radio Resource Management. The key concepts covered are,
 - a) Non-orthogonal multiple Accessing (NOMA)
 - b) Massive MIMO
- Prof. S.P.V. Subba Rao explained the Key Technologies of 5G and Radio Resource Management. The key concepts covered are,
 - a) Non-orthogonal multiple Accessing (NOMA)
 - b) Massive MIMO
- Highlighted the RRM complexity in 5G with integration of new technologies like mm-Wave, MIMO, vehicular network etc.
- Mentioned in his discussion that the first challenge of RRM is the large dimensionality of RANs.
- The architecture of RRM is explained, primarily consisting of xNB, RL Trainer and RRM agent.

- The latency and reliability issues in LTE and commercial deployment of 2x2 MIMO, break-before-make handovers of LTE resulting in 40-60 ms data connectivity interruptions were addressed.



Day	2
Date	18/06/2019
Time	9:00 am-10:45 am
Title	GNSS Systems and Signals
Name of the Resource person	Dr. V. Satya Srinivas

Summary of the Lecture

- Dr.V. Satya Srinivas started the session with the concept of satellite based navigation.
- He explained the different types of satellite based navigation systems (namely GPS, GLONASS, Galileo and Regional systems like IRNSS etc.).
- He explained the frequency bands used by different GNSS (Ex: L1, L2, L5 for GPS and E1, E5, E6 for Galileo, L5 and S band incase of IRNSS etc.).
- The principle of positioning using minimum of 3 satellite and need for fourth satellite to remove clock biases was emphasised.




Day	2
Date	18/06/2019
Time	L1: 11:00 am-12:30 pm L2: 01:00 am - 2:15 pm L3: 2:30 pm – 3:30 pm
Title	GNSS receiver models
Name of the Resource person	Dr. T. Rama Swamy Assoc. Professor, SNIST, Hyderabad

Summary of the Lecture: 5G Receiver models with hands-on sessions using MatLab

Topic: 5G Receiver models – Zero forcing receiver, MMSE and SVD techniques for the case of MIMO and Massive-MIMO.


- Dr. Rama Swamy explained the types of receiver models being considered for 5G systems.
- He explained the MIMO system concept, an emerging technology for wireless communication networks.
- He explained the concepts of Zero forcing receiver, MMSE and SVD techniques for 5G receivers and their limitations in terms of BER, spectral efficiency, network capacity and power consumption.
- The analysis of above said parameters for the receiver models are demonstrated using MATLAB codes. The participants are given ample amount of time in executing the codes and correlating the concepts step by step with the equations specific to each model.


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	Day	3
	Date	19/06/2019
	Time	9:00am-10:45 am 11:00 – 12:30 pm
	Title	Software Defined Radio (SDR) for 5G
	Name of the Resource person	Dr. K. Yedukondalu Professor, Dept. of ECE CVR College of Engg., Hyderabad

Summary of the Lecture

- Dr. Yedukondalu explained the concept of RTL-SDR.
- The blocks of RTL-SDR are demonstrated and the role of MATLAB simulink for SDR implementation was highlighted.
- Types of SDR models available in the market (such as Elonics E4000, Fitipower FC0013 etc.) and their operating frequency ranges are demonstrated.
- The applications of these SDR are highlighted, this includes EMS/Ambulance/Fire Communication, air traffic control conversations, ADSB decoding and listening to DAB broadcast radio etc.
- Demonstrated MATLAB implementation of ADSB airplane tracking with RTL-SDR.

	Day	3
	Date	19/06/2019
	Time	1:00 pm - 2:15 pm
	Title	Multipath Error in GNSS
	Name of the Resource person	Dr. K. Yedukondalu Professor, Dept. of ECE CVR College of Engg., Hyderabad

Summary of the Lecture

- Dr.Yedukondalu discussed the affect of multipath on GNSS positioning.
- Typical multipath error in range domain for code and carrier phase measurements is discussed.
- Spectral analysis of multipath error and various multipath mitigation techniques were explained.
- Demonstrated experimental data results of multipath on L1 and L2 using adaptive filtering techniques such as LMS, HRLS, QRD RLS and HSW RLS He mentioned that 90% of multipath error is mitigated using LMS techniques, where RLS techniques mitigate only up to 72%.



Day	3
Date	19/06/2019
Time	2:30 pm - 3:30 pm
Title	GNSS LAB VISIT
Name of the Resource person	Dr. V. Satya Srinivas Associate Professor, Dept. of ECE, GCET, Hyderabad

Summary of Lab Visit:

- Dr.V. Satya Srinivas demonstrated the state-of-art equipment, multi-GNSS receivers (Make: Septentrio and Accords) to the participants.
- Demonstrated the accuracies attained in real-time using stand-alone and combined constellations.
- The need for differential positioning and different online data processing facilities like AUSPOS, are explained.

- The positional accuracy of IRNSS receiver, the constellations IRNSS-GAGAN-GPS, and achievable accuracy less than 3 m is demonstrated for static application.
- The concept of satellite geometry with DOP values and signal strength considerations are demonstrated.
- The present R&D activity focus of the lab with respect to triple frequency linear combinations for mitigating multipath and ionosphere is discussed.
- Recent publications in URSI 2019 conference and results obtained are presented through Posters.
- The scope of R&D with multi-frequency GNSS has been discussed such as Advanced RAIM, VLF/GNSS integration for Earthquake studies etc.



Day	4
Date	20/06/2019
Time	9:30 am-10:45 am
Title	GNSS Errors
Name of the Resource person	Prof. B. Hari Kumar HOD-ECE, Geethanjali College of Engg. & Tech.

Summary of the Lecture

- Prof. Hari Kumar explained the errors that affect the GPS signals.
- He explained what are the satellite based errors, atmospheric errors and receiver based errors.
- He explained satellite clock bias and ephemeris error.
- Concepts of wave propagation, the delay introduced by ionosphere and troposphere

because of changes in refractive index are explained in detail.



Day	4
Date	20/06/2019
Time	2:30 pm to 3:30 pm
Title	GNSS Positioning

- Dr. V. Satya Srinivas have explained the positioning algorithms for GNSS positioning.
- The Keplerian elements to calculate satellite position and the algorithm were discussed.



Day	4
Date	20/06/2019
Time	11:00 am-12:30 pm 1:00 pm – 2:15 pm
Title	Monitoring Ionosphere using GNSS
Name of the Resource person	Dr. Mala Bagiya

Summary of The Lecture


- Dr.Mala Bagiya have given a brief introduction to unique phenomena of ionosphere at low latitudes and its effect on GNSS signals.
- The solar activity and space weather effects on GNSS systems.
- Focused on GNSS observation data processing for remote sensing the ionosphere.
- The lithosphere-atmosphere-ionosphere coupling aspect during earth quakes was explained.

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- The significance development of new instruments/systems to monitor ionosphere and space weather events to forecast anomalies associated with earthquakes was highlighted.
- The role engineering in developing monitoring systems and scientist in developing forecasting models for ionospheric parameters, solar flares etc., was highlighted.
- She has explained the roles and responsibilities of IIG Mumbai and research at IIG in the areas upper atmospheric sciences and solid earth research.
- The contribution of engineers in developing data processing and signal processing techniques for aforementioned studies was discussed.

	Day	5
	Date	21/06/2019
	Time	09:30 am – 10:15 pm
	Title	Ground Based Augmentation Systems for Improved Accuracy
	Name of the Resource person	Dr. A. Supraja Reddy Associate Professor, Dept. of ECE, CBIT, Gandipet, Hyderabad

Summary of the Lecture

- Dr. Supraja Reddy explained the application of GNSS technology for Aviation.
- Types of augmentation systems – SBAS, GBAS and ABAS.
- Safety standards and Required Navigation Performance (RNP) parameters for civil aviation were mentioned.
- Explained Precision and Non-Precision approaches, attainable accuracies with

satellite based and ground based augmentation systems.

- Discussed Generation of differential corrections to meet CAT-I and II PA.
- LAAS Design features, benefits and services were explained.
- National and International status of LAAS deployments were discussed.
- Ongoing research in the area of GBAS in the context of Indian scenario was explained.
- The need for the development of ionospheric threat model for GBAS operations over Indian region was discussed.


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Day	5
Date	21/06/2019
Time	11:00 am – 12:30 pm
Title	Indian Regional Navigation Satellite Systems
Name of the Resource person	Dr. P. Naveen Kumar Associate Professor, Dept. of ECE, Osmania University

Summary of the Lecture


- Dr. Naveen Kumar explained the Indian NavIC (Navigation Indian Constellation) – the IRNSS.
- He discussed the architecture of IRNSS and how it is different from other GNSS systems like GPS, GLONASS and Galileo.
- Explained the major difference with the space segment i.e., 3 GEOs and 4 GSOs, constellation features.
- The need for the S-band signal for NavIC system has been explained.
- Experimental results of attainable accuracies of IRNSS system for static (3 m) and kinematic applications (8-10 m) are demonstrated.
- The incorporation of L1 frequency in future IRNSS satellites and interoperability with other GNSS systems was discussed.


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 Osmania University
 Hyderabad, Telangana - 500 004

	Day	5
	Date	21/06/2019
	Time	01:00 am – 2:30 pm
	Title	Design and Performance Analysis of Cognitive WLAN MAC Protocol
	Name of the Resource person	Dr. D. Bhasker Associate Professor, Dept. of ECE, CMR College of Engineering, Hyderabad

Summary of the Lecture

- Dr. Bhasker discussed set of challenges related to MAC schemes for 5G.
- MAC protocol for cognitive WLAN was extensively discussed.
- Markov chain and 2D markov chain models were explained.
- Throughput analysis of 2D markov chain model is better than that of MCGA and MCRA protocols.

	Day	5
	Date	21/06/2019
	Time	02:30 am – 3:30 pm
	Title	IGS products and GNSS Data processing
	Name of the Resource person	Dr. V. Satya Srinivas Associate Professor, Dept. of ECE, GCET, Hyderabad

- Dr.V. Satya Srinivas discussed in detail the International GNSS network.
- The GNSS data resources like SOPAC data archive.
- The IGS products like sp3 files for precise orbits, clock files and Antenna files.
- The topics of data processing steps such as cycle slip detection, ambiguity resolution etc. were discussed.
- Explained difference techniques for mitigation various GNSS errors.



Day	6
Date	22/06/2019
Time	9:00 am –10:30 pm
Title	5G localization
Name of the Resource person	Dr. V. Satya Srinivas Associate Professor, Dept. of ECE, GCET, Hyderabad

Summary of the Lecture

- Dr. V. Satya Srinivas explicitly mentioned the difference between the positioning system and localization system.
- Explained the FCC view of *50 meter accuracy for 80% of all outdoor and indoor mobile emergency calls and need for 5G localization for better accuracies.*
- Different techniques and principles like TDOA, RSS, AOA, PDOA etc were discussed.
- 5G and GNSS – Hybrid positioning accuracies and beam forming algorithms were explained.
- The SSP positioning (<10 m) and PPP positioning (sub meter), attainable accuracies are discussed with the hybrid system like 5G+GNSS were explained with experimental results.
- Method of 5G positioning based NLOS signals was explained.
- The scenario of 5G deployment around the world was discussed, where it was said that the move to 5G is due to much higher reliability and lower latency.
- 54% of companies around the world started deploying 5G.
- India is late by three years as on today, for 5G deployment.



Day	6
Date	22/06/2019
Time	11:15 am – 12:30 pm
Title	5G Antennas
Name of the Resource person	Dr. Prashant Kumar Mishra Scientist – 'F', RCI, DRDO, Hyderabad

- Dr. Prashant Kumar Mishra discussed in detail the Antenna Technology for 5G communication.
- The significance of dual linearly polarized antenna for polarization diversity at base station for cellular mobile communication.
- The design of microstrip antenna for sub 6GHz frequency using 6X6 antenna array was discussed.
- Discussed series fed linear array antenna design and their application to 5G frequencies.



Day	6
Date	22/06/2019
Time	01:00 am – 02:30 pm
Title	GNSS Antennas
Name of the Resource person	Dr. Ashwani Kumar Scientist – 'G', DLRL, DRDO, Hyderabad

- Dr. Ashwani Kumar discussed in detail the GNSS Antennas.
- The design fundamentals and advantages of micro strip such as easy to fabricate, low cost, weight and profile were explained. Discussed the disadvantages such as high dielectric loss and narrow bandwidth.
- Techniques for circular polarization single feed and dual feed were explained.
- The concept of array antennas for GNSS was discussed in detail.
- Discussed Choke ring antenna for multipath mitigation in GNSS systems.

2.3 VALEDICTORY FUNCTION: (22/06/2019; 2:30 pm to 3:30 pm)



Dignitaries on the Dias

Dr. Raja Mohan (Principal I/C), Dr. Aswani Kumar (SC-'G', DLRL), Chief Guest and Prof. Harikumar (HoD-ECE)



Vote of Thanks by Coordinator

Dr. V. Satya Srinivas, ECE



Certificates Distributuion



Felicitation to Chief guest

Dr. Aswani Kumar (SC-'G', DLRL)

3. Feedback from Participants

General:

The feedback of the participants was very positive. The summary of feedback is as given below:

1. The participants expressed that their interest in attending the FDP was due to the topics of contemporary interest in the areas of 5G/GNSS and the because of invited talks by resource persons from the organisations of high repute (RCI (DRDO), DLRL (DRDO), IIG, Osmania University, CBIR, SNIST and CMR).
2. Participants are happy for matlab sessions arranged particularly for 5G receiver models and for GNSS positioning algorithms – they expressed that the experience gained on programming aspects of these technologies will help them to take up R&D activity at their host institutes.
3. Participants appreciated the conduct of FDP in the aspects of lectures arranged, hospitality, transport facility, lunch and snacks arrangements etc.

On Resource persons:

S.No	Name of the resource person	On scale of 5
1.	Dr.M.V.S.N Prasad	4.8
2.	Dr.S.P.V. Subba Rao	4.2
3.	Dr.T. Rama Swamy	4.5
4.	Dr. K.Yedukondalu	4.5
5.	Dr. Mala Bagiya	4.8
6.	Dr. A. Supraja Reddy	4.8
7.	Dr P.Naveen Kumar	4.5
8.	Dr.D. Bhasker	4.2
9.	Dr. Prashant Kumar Mishra	4.6
10.	Dr. Ashwani Kumar	4.8
11.	Dr. V. Satya Srinivas	4.5
12.	Prof. Hari Kumar	4.7

4. Group Photo




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5. Detailed statement of income and expenditure

Income:

Registration fee: Rs.1000/-; IETE/IEEE Member: Rs.800/-

Outside participants registration fee (18 members) = Rs.16,800/-

Expenditure:

1. Honorarium to eleven External resource persons. = Rs.44,000 /-
2. Bouquets, Mementos, shawls, Water bottles,
Registration Kits, oil, match box, vick and candles = Rs. 6,207/-
3. Tea, snacks and lunch for participants and
Breakfast and special lunch to resource persons = Rs.8,125 /-
4. Transport = Rs.3,290/-
5. Certificates, Banners, Badges (participants and faculty) =Rs. 2,125/-

Total expenditure = Rs. 63,747/-

College contribution = Rs.46,947/-


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6. Annexures

ANNEXURE-I

FDP proposal and its approval letter

To:
The Principal,
Geethanjali College of Engineering and Technology,
Chittoor (V), Nellore (M),
Andhra Pradesh - 521120

Date: 18/05/2019

Respected Sir,

Sub: Request for approval of Faculty Development Program on "5G and GNSS Positioning"
- June 17-22, 2019 - Reg.

On behalf of the Dept. of ECE, we would like to conduct a one week (5-day) Faculty Development Program (FDP) on "5G and GNSS Positioning" from June 17-22, 2019. The FDP is planned to provide an opportunity to the faculty at both GCEVT, those at various Group Colleges in the region, Research Scholars to sustain their knowledge in fields of "Cellular Mobile Wireless Communication and Positioning Systems". As part of this course, it is envisaged to cover not only the theoretical concepts but also provide practical sessions on various fundamental and related software through MATLAB simulations.

Experts in these areas from Institutions and Industry of repute such as SRIST, CTR, NRI, and Qualcom have been identified in addition to Institute/industry persons.

Around 25-30 participants (including our faculty) are expected to attend the FDP since the experts being invited under the FDP are important people from not only the emerging areas of Communication (5G), but also are part of ongoing courses prescribed by the JNTU for its IV B.Tech. students in addition to their being having specific areas of depth of expertise in and around several engineering colleges of the region.

The budget proposed by conducting FDP is approximately Rs.15,000/- (Fifteen Thousand Only) wherein about 30% of the sum would be generated as amount out of a registration fee of Rs.1000/- (Rupees One Thousand Only) per participant. A tentative budget proposal is enclosed herewith for your ready reference in the next page.

Permission may kindly be granted to conduct the FDP program and sanction the fee, in advance. The amount collected from participants will be credited in the college account on completion of the FDP.

Thanking you,

Yours Sincerely,

(Dr. V. Subramanian)
Assistant Professor, ECE

(Dr. V. Sri Shanthi)
Professor, ECE and
Head, C-Group, ECE Group

Head Academic/Innovation: FDP on "5G Technology and GNSS Positioning" is very much desirable.

Recommended and forwarded to Principal for approval.

Principal's Approval:

Submitted to Secretary for approval.

One Week (5-day) Faculty Development Program on
"5G and GNSS Positioning"
June 17-22, 2019

Tentative Budget:

S.No.	Item	Detail	Approx. Amount in Rs.
[1]	Honorarium for Resource Persons (Five invited persons)	Twenty members	35,000/-
[2]	Honorarium for Resource Persons (From Industry)	Workshop session	20,000/-
[3]	Tea and snacks (TN and AN)	12 Tea-breaks	5,000/-
[4]	Working lunch	6 Rooms	15,000/-
[5]	FDP material and certificate (File, Note book, Pen, ID card, CD etc)	25 Rs.100/- per participant for 25 Nos	5,000/-
[6]	Dinner, Banquet for Resource persons	For inauguration and each session	5,000/-
[7]	Miscellaneous Expenses		5,000/-
		Total	90,000/-

Notes:

- For resource persons from the Institute, the college vehicles for transport may be permitted.
- For Outstation resource persons from Institute, if any, travel expenses for any provided via Jth AC railway line.
- Participants from GCEVT may not be provided lunch on any of the days.
- GCEVT Participants are exempted from registration fee.
- FDP material will be provided only in Soft copy form, as per availability from the resource persons.
- Infrastructural resources such as Classroom (including E-class Room/ Seminar Hall etc), Keatsara (M), Medchal Dist (T.S.) - 501 301 LCD projection system, video, speakers may kindly be provided by GCEVT.

PRINCIPAL

Geethanjali College of Engineering and Technology
(Autonomous)
Chittoor (V), Nellore (M), Medchal Dist (T.S.) - 501 301

ANNEXURE-II

FDP Brochure

ONE WEEK Faculty Development Program

"SG and GNSS Positioning"
June 17-23, 2019

Registration Form

Name: _____
Designation: _____
Organization: _____
Professional Experience: _____
Address for Correspondence: _____
Mobile: _____
E-mail: _____
Payment Details: _____
Bank: _____
Branch: _____
Declaration
The information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the FDP.
Place: _____
Date: _____
Signature of the Applicant
SPONSORSHIP
Mr./Ms./Mrs./Dr. _____
employee of an institution and is here by sponsored for attending the above FDP.
Place: _____
Date: _____
Signature of the Principal
Name: _____
Stamp: _____
may be submitted through E-mail.

Chief Patron
Dr. G. Ramesh Reddy
Chairman and Secretary
Patron
Dr. S. Suresh Kumar
Principal
Convener
Prof. B. Han Kumar
HOD-ECE
Advisory Committee
Dr. S. Ramesh Reddy, Professor, ECE
Prof. K. S. Rao, Prof. & Dean Student Affairs
Dr. S. Suresh Kumar, Asst. Prof.
Dr. S. Suresh Kumar, Asst. Prof.
Dr. C. V. Narasimha, Professor, ECE
Dr. B. L. Prasad, Professor, ECE
Prof. G. V. R. Siva Kumar, Professor, ECE
Co-convener
Dr. P. Vigna Shanthi
Professor and Dean, Academics
Coordinator
Dr. V. Satya Prasad
Associate Professor, ECE
Organizing Committee:
1. Mr. D. Venkat Kumar, Asst. Prof.
2. Mr. S. Suresh Kumar, Asst. Prof.
3. Mr. S. Suresh Kumar, Asst. Prof.
4. Mr. V. Suresh Kumar, Asst. Prof.
5. Mr. V. Suresh Kumar, Asst. Prof.
6. Mr. S. Suresh Kumar, Asst. Prof.
7. Mr. S. Suresh Kumar, Asst. Prof.
Address for Correspondence
Coordinator: Dr. V. Satya Prasad
Mobile: +91 9849111171
Email ID: satyaprasad@gmail.com



One Week Faculty Development Program

"SG and GNSS Positioning"
June 17-23, 2019

Organized by:

Department of



GEESANKARI COLLEGE OF ENGINEERING AND TECHNOLOGY
(AECU Autonomous Institute, Accredited by NBA and NAAC)
Permanently Affiliated to JNTUH, HYDRABAD (2011 onwards)
Campus of (U) Noida (U) Noida (U) Noida
Tel No: +91 9849111171
Visit us: www.geesankari.edu.in
E-mail: info@geesankari.edu.in

Geesankari College of Engineering and Technology (GCET) was established in the year 2007 with the sole objective of providing quality technical education, research and innovation to youth. The college has excellent infrastructure facilities and modern laboratories. It also has highly competent and dedicated faculty. College has been recognized as an R&D center by Scientific and Industrial Research Organization (SIRO). The college offers Undergraduate programs in various engineering branches, namely, CSE, ECE, EEE, and CE with a total intake of 400 students. All the eligible B.Tech programs are accredited by NBA. The college is accredited by NAAC with a score of 3.6 in AY 2017-18, which is highest by any institution that has gone for accreditation for the first time in both states of TS and AP. The institution was conferred "Autonomous" status by UGC with effect from Academic Year 2015-17 for a period of six years. College is an ISO 9001:2015 certified institution since 2014. GCET also offers postgraduate programs in M.Tech with an intake of 30 students and M.Tech programs in CSE discipline.

The Department of Electronics and Communication Engineering (ECE) was established in the year 2007 with an initial intake of 60 students. Right from its inception it is continuously striving to impart quality education and providing competitive spirit among students for academic excellence. The intake was increased to 140 in the academic year 2013-14. The department has well equipped laboratories with good infrastructure. The department has qualified experienced and dedicated faculty. A good number of technical papers are published by the faculty in National/International Journals/Conferences. The department has signed MoUs with various organizations to provide continuous training to students in the field of Advanced Communications, VLSI, Microcontroller and Embedded Systems. The Department was awarded a DST project entitled "Design and Development of Multi Wavelength Laser Ruler" (LEDAR) with an overall budget of Rs. 94.18 lakhs in the AY 2013-14, which was successfully completed

in 2015. Another project "Investigation of Linear Combination of GNSS Measurements to Mitigate the Effect of Ionospheric and Multipath" was sanctioned by DST with a grant of Rs. 31.5 lakhs and is in progress. A consultancy project entitled, "Development of High Density Silicon Based ICs for VLSI Design" from M/S VLSI Technologies is in progress from November 2016. The department is involved in major research project "Development of novel carbon nano tubes/polymer based composite materials for EMI applications", in April 2018 by DRDO with an overall budget of Rs. 61.81 lakhs. A Research Project "Design of Software Training system for Embedded Wave Oscillators" is sanctioned by DRDO (Department) under CASIS program for Rs. 8.40 lakhs for a period of one year from November 2018. An amount of Rs. 5.23 lakhs was sanctioned for the department for development of "PCB Manufacturing Laboratory" under MCKERIES scheme of AICTE Quality Improvement Scheme.

Industry Tie-up Program
This FDP is planned to provide an opportunity to the faculty of Engineering Colleges and Research Scholars to enrich their knowledge in the field of SG and GNSS Positioning. As a part of this course, it is to identify the divergent concepts in these emerging and ever-growing technological areas along with present hand-on sessions on various Fundamentals and related advances in the field of SG network architecture and positioning technology through MATLAB simulations. The FDP will be useful for the faculty who are involved in teaching research/performing research in areas such as, New Radio Technologies, Edge Computing, cognitive MIMO, beamforming, MIMO Cellular communication, NOMA, Software defined networking, GNSS and related engineering and technological areas.

- Topics to be covered:**
1. SG - Receiver Models, Radio Resource Management, Localization, Software Defined Radio and Antenna
 2. Ultra Wide Bandwidth and Communication Systems
 3. Cognitive Radio in 4G/5G Wireless Cellular Systems
 4. GNSS Positioning and Augmentation Systems
 5. Research Training Symposium using GNSS Observations
 6. GNSS Signal Processing

Research Potential
Research projects are due reports from Institutions and Industry of regular work, but not limited to, DRDO, ISRO, CSIR, SAST, NPL and CNR.
Dr. Aditya Kumar, Scientist G, DRDO
Dr. M. V. S. Prasad, Former Chief Scientist, ISRO, New Delhi
Dr. Pradeep Kumar, Scientist F, ISRO, Bangalore
Dr. Mohan Kumar, Scientist G, ISRO, Bangalore
Prof. B. Han Kumar, Professor and HOD, ECE, GCET
Dr. S. Suresh Kumar, Professor, ECE, Osmania University
Dr. P. V. Suresh Kumar, Professor, ECE, SAST
Dr. S. Suresh Kumar, Professor, ECE, CNR, College of Engineering
Dr. P. Narayana Kumar, Asst. Prof. ECE, Osmania Univ.
Dr. V. Suresh Kumar, Asst. Prof. ECE, SAST
Dr. A. Suresh Kumar, Asst. Prof. ECE, CSIR
Dr. B. Han Kumar, Asst. Prof. and HOD, ECE, GCET
Dr. V. Suresh Kumar, Asst. Prof. ECE, GCET

Facilities
Faculty and research scholars in technical institutions with UG/PG Programs in Electronics and Communication Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Electronics and Computer Engineering departments are welcome to participate. However depending on the availability of space, other interested development scholars will also be accommodated.

Registration and Fee Details
For Faculty members/research scholars: Rs. 1000/-
For B.Tech/UG students: Rs. 500/-
Participants are requested to register by filling in the registration form and send the same to the Convener along with the fee in form of "The Principal, Geesankari College of Engineering and Technology", payable in Hyderabad. Spot registration will be considered based on availability.

Important Dates
Last date for receipt of registration form: 15/06/2019
Confirmation to the participants: 20/06/2019

PRINCIPAL
Geesankari College of Engineering and Technology
Campus of (U) Noida (U) Noida (U) Noida
Tel No: +91 9849111171
Visit us: www.geesankari.edu.in
E-mail: info@geesankari.edu.in

ANNEXURE-IV

Geethanjali College of Engineering and Technology
(Autonomous)
Department of ECE
One-week FDP on
"5G and GNSS Positioning"

Date: 17.06.2019

Program Schedule - Inaugural session

❖ Welcome Address	09:30 AM
❖ Inviting the Dignitaries on to the dais	09:32 AM
❖ Lighting the lamp by Chief Guest and other Dignitaries	09:35 AM
❖ Invocation	09:37 AM
❖ Address by the Co-convener, Dr P. Vijai Bhaskar	09:40 AM
❖ Address by the Convener, Prof. B. Hari Kumar	09:45 AM
❖ Address by the Vice Chairman, JIETE, Prof. C.V. Narasimhaiah	09:50 AM
❖ Message by the Patron, Prof. K. Somasekhara Rao	09:55 AM
❖ Address by the Chief Patron, Sri. G. Ravinder Reddy	10:00 AM
❖ Introduction of the Chief Guest by Mrs. V. Sarisha	10:05 AM
❖ Address by the Chief Guest, Dr. M. V. S. N. Prasad	10:10 AM
❖ Felicitation of the Chief Guest by the Chief Patron and Patron	10:25 AM
❖ Vote of Thanks by Dr. V. Satya Srinivas	10:30 AM
❖ Conclusion of Inaugural Session with the National Anthem	10:40 AM
Tea break (for 10min)	
❖ Keynote address by Chief Guest, Dr. M. V. S. N. Prasad	11:00 AM to 12:30 PM


PRINCIPAL
Geethanjali College of Engineering and Technology
(Autonomous)
Chennai (V), Kattur (W), Mettupalayam Dist. (T.S.) - 501 301

Geethanjali College of Engineering and Technology
(Autonomous)
Department of ECE
One-week FDP on
"5G and GNSS Positioning"

Date: 22.06.2019

Program Schedule - Valedictory session

♦ Welcome Address	03:00 PM
♦ Inviting the Dignitaries on to the dais	03:02 PM
♦ Address by the Convener, Prof. B. Hari Kumar	03:04 PM
♦ Message from the Patron, Dr. S. T. Rajamohan	03:06 PM
♦ Address by the Chief Patron, Sri. G. R. Ravinder Reddy	03:09 AM
♦ Introduction of the Chief Guest by Mrs V.S.Padma Priya	03:12 PM
♦ Address by the Chief Guest, Dr. Ashwani Kumar	03:14 PM
♦ Feedback from the Participants	03:19 PM
♦ Distribution of Certificates	03:25 PM
♦ Felicitation of the Chief Guest by the Chief Patron and Patron	03:30 PM
♦ Vote of Thanks by Dr V.Satya Srinivas	03:32 PM
♦ Conclusion of Valedictory Session with the National Anthem	03:35 PM


PRINCIPAL
Geethanjali College of Engineering and Technology
(Autonomous)
Chennur (N), Keesara (M), Medchal Dist. (T.S.) - 501 304

ANNEXURE-V
List of Participants

S. No	Name	Designation	Name of the College	Mail ID	Mobile Number
1	P. Shailaja	Asst prof	RGRSiddharth PG&Degree college	psrkshailaja@yahoo.com	9440504180
2	k.Srikanth	Asst prof	ISL engineering college		9440543194
3	J.kamal vijetha	Asst prof	KMIT	kamlimisty@gmail.com	9440167315
4	Dr.G srivalli	Assoc prof	GNITS	srivalligundala@gmail.com	9441878101
5	N.krishna jyothi	Asst prof	GNITS	Krishnajyothi_ne@yahoo.com	9989886281
6	G.Sravya	Asst prof	GNITS	Sravya.gvnsk@gmail.com	8985738578
7	G.Suresh kumar	P.hD scholar	UCE,OU	Suresh.ece.uceou@gmail.com	9449442680
8	P.Ashok Kumar	HOD	Samskruthi Engineering college	Pashok9@gmail.com	9951980075
9	V.Sandeep kumar	Asst prof	Samskruthi	Chantivsm143@gmail.com	9032811278
10	K.Madhu Krishna	Ph.D Scholar	UCE,OU	Kmk6975@gmail.com	800
11	R.Kiran.Chand	Asst prof	VBEC,IBM,Hyd erabad	B4uchandu2011@gmail.com	7893595176
12	C.Jagadeesh	Asst prof	AVNIET	Jagadeesh.clr@gmail.com	9949113735
13	D.Santosh kumar	Asst prof	AVNIET	santu14foru@gmail.com	9985460520
14	D.Kavitha	Ph.D scholar	UCE,OU	Kavitha.agriou@gmail.com	9704154929
15	N.Santhsoh	Ph.D scholar	UCE,OU	santosh-irmss@gmail.com	9666778216
16	Devdas Kuna	Ph.D scholar	UCE,OU	Dev.navic@gmail.com	9912121609
17	Anilkumar.R	Ph.D scholar	UCE,OU	aniljet@gmail.com	9908545167
18	Kuruva Lakshmanna	Senior research assistant	CBIT	lakshmanna05@gmail.com	9177935064
19	A.geetha rani	JRF	GCET	Gemula.reddy@gmail.com	7993807017
20	M.Deepa	JRF	GCET	Deepa.madishetti2@gmail.com	9100299452
21	B.Suneetha	Asst prof	GCET	Boddusuneetha1710@gmail.com	9032796076
22	P.Chandra Prakash Reddy	Asst prof	GCET	pcprakashreddy@gmail.com	9676277826
23	Y.Siva Rama Krishna	Asst prof	GCET	Sivaram432@gmail.com	9542024220
24	Uma rani.M	Asst prof	GCET	Umarani.marri@gmail.com	9866178538

25	S.yagnasree	Asst prof	GCET	Syagna100@gmail.com	9866637001
26	M.sowjanya	Assoc prof	GCET	Sowjanya.maddireddy@gmail.com	9160177007
27	Y.Nagalakshmi	Asst prof	GCET	Nagalakshmi.yarlagadda@gmail.com	9492922084
28	S.krishna priya	Assoc Prof	GCET	Srigiri.cherki@gmail.com	9440490378
29	L.Kavya	Asst prof	GCET	Kavya.lakkakula@gmail.com	9014698712
30	CH.Suresh kumar	Asst prof	GCET	Sureshvce1@gmail.com	7386804772
31	Appalaraju,U	Assoc prof	GCET	Raju.mdl@gmail.com	9848889764
32	M.Anand	Asst prof	GCET	Svanand 50@gmail.com	9441266209
33	A.R.L.Padmaja	Asst prof	GCET	Padmaja.murthy30@gmail.com	9394787585
34	P.Naresh kumar	Asst prof	GCET	Naresh.mn2322@gmail.com	9866373432
35	Dr.B.L.Prakash	Professor	GCET	Prakashvignan4368@gmail.com	9346314538
36	V.Sirisha	Asst prof	GCET	Siri.ect2@gmail.com	9493976640
39	V.S.Padma Priya	Asst prof	GCET	vspadmapriya@gmail.com	9440150796
40	M.Chattar singh	Asst prof	GCET	Chattar.singh@gmail.com	9959417914
41	R.odaiah	Assoc prof	GCET	odaiahrecc@gmail.com	9908005296
42	D.sony	Asst prof	GCET	Sony.devalapally@gmail.com	9700583344
43	p.sudhakar	Assoc prof	GCET	psudhakar@iece.org	9985055592
44	B.Ramu	Asst prof	GCET	Ramu0604@gmail.com	9966857129
45	B.Sreelatha	Assoc prof	GCET	Sree.0474@gmail.com	9989432990
46	S.Jyothrimaye	Assoc Prof	GCET	Jyocol2011@gmail.com	9966812220
47	M.laxmi	Assoc Prof	GCET	Laxmireddy.mitta9@gmail.com	9392422999
48	Harekrishna	Assoc Prof	GCET,CSE	kris.hari.k@gmail.com	7680070303


PRINCIPAL
 Geethanjali College of Engineering and Technology
 (Autonomous)
 Chennai (V), Keesara (M), Mahabub Nuz (T.S.) - 501 301

ANNEXURE - VI



Shining towards perfection

Geethanjali College of Engineering and Technology (UGC Autonomous)

(Accredited by NAAC with 'A' grade, Approved by AICTE and Permanently Affiliated to JNTUH)

Cheeryal (V), Keesara (M), Medchal (Dist.), Telangana - 501301

Department of Electronics and Communication Engineering

(Accredited by NBA)



Certificate of Participation

This is to certify that Mr./Ms./Dr./Prof. _____

of _____ participated in one Week Faculty
Development Program on "5G and GNSS Positioning" held during 17th to 22nd June, 2019,
organized by Department of ECE, Geethanjali College of Engineering and Technology.

Dr. V. Satya Srinivas
Coordinator

Dr. P.Vijai Bhaskar
Co-convenor

Secretary
IETE, Hyd

Prof. B. Hari Kumar
HoD-ECE and Convener

Dr. S. Udaya Kumar
Principal and Patron


Principal
Geethanjali College of Engineering and Technology
Cheeryal (V), Keesara (M), Medchal (Dist.), Telangana - 501301

2018-19

GEETHANJANLI COLLEGE OF ENGINEERING AND TECHNOLOGY
(An UGC Autonomous, NBA and NAAC Accredited, ISO 9000-2015 certified Institution and SIRO Govt. of India recognized Research Centre)

Cheeryal (V), Keesara (M), Medchal (Dist.), Telangana State-501301, India

Department of Electronics and Communications Engineering

CIRCULAR

Date: 30/05/2019

Sub:- Roles and Responsibilities for conduction of Faculty Development Program titled: 5G and GNSS positioning.

The following faculty members are assigned the following duties and responsibilities in respect of the conduct of the FDP.

S. No.	Duties and Responsibilities	Faculty Assigned
1	Co-convenor	Dr.P.Vijai Bhaskar
2	Coordinator	Dr.V. Satya Srinivas
3	Brochure Circulation, Publicity and ensuring registrations with the support of all the Dept. faculty.	D.Venkata Rami Reddy
4	Budget	S.Jyothirmayee
5	Flexies and Banners, Certificates printing (for participants, resource persons, organizing team members etc.)	M.Krishna (with 2 Dept. Attenders for mounting flexies)
6	Inauguration and Valedictory: Arrangements including Venue, Prayer, Lamp, Program sheet, Water bottles, Table, Table-cloth, decoration etc.	S.Jyothirmayee P. Naresh Kumar
7	Inauguration and Valedictory Anchoring and Venue announcements	V.Sirisha, J.Mrudula
8	Tea /Snacks and lunch	Suresh Kumar, M.Sowjanya,
9	Honorarium and Mementos	S.Jyothirmayee, V. Savitri Padma Priya
10	Registration Forms, Attendance Sheets, Feedback Forms making	B. Suneetha
11	Registration Desk	Y.Nagalakshmi, M. Sowjanya
12	FDP Registration Kit and Badges to organizing members	P. Naresh Kumar
13	Photography and PA System	Chalapathi, Srinivas and Anjaneyulu
14	Running of Lab sessions	Dr.V.Satya Srinivas, V.Sirisha
15	Transportation	K.Victor, Chatter Singh
16	FDP lecture ppt distribution to participants	RVNR Suneel Krishna, V.Sirisha

P. Vijai Bhaskar
(Dr.P.Vijai Bhaskar)
Prof. & Co-convenor

B. Hari Kumar
✓ (Prof. B. Hari Kumar)
HoD & Convener

WhatsApp app sent on 30/5/19 at 12.55 PM

PRINCIPAL
Geethanjali College of Engineering and Technology
(Autonomous)
Cheeryal (V), Keesara (M), Medchal Dist. (T.S.) - 501 301

Date: 18/05/2019

The Principal,
Geethanjali College of Engineering and Technology,
Cheruvu(V), Keesara (M),
Medchal Dist. - 501301

Respected Sir,

Sub: Request for approval of Faculty Development Program on '5G and GNSS Positioning'
- June 17-22, 2019 - Reg.

On behalf of the Dept. of ECE, we would like to conduct a one week (6-day) Faculty Development Program (FDP) on '5G and GNSS Positioning' from June 17-22, 2019.

The FDP is planned to provide an opportunity to the faculty at both GCET, those at various Engg. Colleges in the region, Research Scholars to enrich their knowledge in fields of 'Cellular Mobile Wireless Communication and Positioning Systems'. As part of this course, it is envisaged to cover not only the theoretical concepts but also provide practical sessions on various fundamentals and related advances through MATLAB simulations.

Experts in these areas from Institutions and Industry of repute such as: SNIST, CVR, NPL and Qualcomm have been identified in addition to in-house resource persons.

Around 35-40 participants (including our faculty) are expected to attend the FDP since the contents being planned under the FDP are important topics from not only the emerging areas of Communication Engg. but also are part of Compulsory Courses prescribed by the JNTU for its IV B.Tech. students in addition to them being among certain specific areas of dearth of expertise in and around several engineering colleges of the region.

The budget proposed for conducting FDP is approximately Rs.90,000/- (Rupees Ninety Thousand Only); wherein about 50% of the same would be generated as revenue out of a registration fee of Rs.1000/- (Rupees One Thousand Only) per participant. A tentative Budget proposal is enclosed herewith for your ready reference, in the next page.


Permission may kindly be granted to conduct the FDP program and sanction the funds, in advance. The amount collected from participants will be credited to the college account on completion of the FDP.

Thanking you,

Yours Sincerely,


PRINCIPAL
Geethanjali College of Engineering and Technology
(Autonomous)
Cheruvu (V), Keesara (M), Medchal Dist. - 501301

(Dr. V. Satya Srinivas)
Associate Professor, ECE


for (Dr. Vijai Bhaskar)
Professor, ECE and
Head, Commn. Engg. Group

HoD Remark/Recommendation: FDP on "5G Technology and GNSS Positioning" is very much desirable.

Recommended and Forwarded to Principal.
Principal's Approval:  18/5/19

Submitted to Secretary for approval.


20/05/19

<p>Installation requires (Telephone Installation) If Installation requires charges will be extra.</p> <p>9. Validity: This offer is valid for a period of 30 days.</p>	<p>Extra Actual (If Required)</p>	<p>5. Freight :- Extra on your account.</p> <p>6. Installation & Commissioning: Extra on your account.</p>	<p>8. Freight :- Extra on your account. To your nearest down delivery (Door deliver charges will be extra) OR To basis.</p> <p>9. Installation and Commissioning: Extra at actual.</p> <p>10. Warranty: 12 months from the date of supply material.</p>
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Prof. S. Ramana Murthy
 PI, DRDO project


Principal


Chairman


PRINCIPAL
Geethanjali College of Engineering and Technology
 (Autonomous)
 Chausali (M), Kassar (M), Mysore Dist. (T.S.) - 571 301

One Week (6-day) Faculty Development Program on

'5G and GNSS Positioning'

(June 17- 22, 2019)

Tentative Budget:

S.No.	Item	Detail	Approx. Amount in Rs.
[1].	Honorarium for Resource Persons (from reputed institutes)	Theory sessions	35,000/-
[2].	Honorarium for Resource Persons (from Industry)	Hands-on sessions	20,000/-
[3].	Tea and snacks (FN and AN)	12 Tea-breaks	5,000/-
[4].	Working lunch	6 Noons	15,000/-
[5].	FDP material and certificates (File, Note Book, Pen, ID card, CD etc)	@ Rs.100/- per participant for 50 Nos	5,000/-
[6].	Banners, Boquets for Resource persons	For inauguration and each session	5,000/-
[7].	Miscellaneous Expenses		5,000/-
Total			90,000/-

Notes:

1. For resources persons from the Institutes, the college vehicles for transport may be permitted..
2. For Out-station resource persons from Institutes, if any, travel expenses for may provided via 3rd AC railway fare.
3. Participants from GCET may not be provided lunch on any of the days.
4. GCET Participants are exempted from registration fee.
5. FDP material will be provided only in Soft copy form, as per availability from the resource persons.
6. Infrastructural resources such as: Classroom (including E-class Rooms)/Seminar Hall with LCD projection system, mike, speakers may kindly be provided by GCET.


PRINCIPAL
Geethanjali College of Engineering and Technology
(Autonomous)
Cheerpal (V), Keesara (R), Musabul Dist. (T.S.) - 501 301

One Week (6-day) Faculty Development Program on
"5G and GNSS Positioning"
(June 17- 22, 2019)

Tentative Budget:

S.No.	Item	Detail	Approx. Amount in Rs.
[1].	Honorarium for Resource Persons (from reputed institutes)	Theory sessions	35,000/-
[2].	Honorarium for Resource Persons (from Industry)	Hands-on sessions	20,000/-
[3].	Tea and snacks (FN and AN)	12 Tea-breaks	5,000/-
[4].	Working lunch	6 Noons	15,000/-
[5].	FDP material and certificates (File, Note Book, Pen, ID card, CD etc)	@ Rs.100/- per participant for 50 Nos	5,000/-
[6].	Banners, Boquets for Resource persons	For inauguration and each session	5,000/-
[7].	Miscellaneous Expenses		5,000/-
Total			90,000/-

Notes:

1. For resources persons from the Institutes, the college vehicles for transport may be permitted..
2. For Out-station resource persons from Institutes, if any, travel expenses for may provided via 3rd AC railway fare.
3. Participants from GCET may not be provided lunch on any of the days.
4. GCET Participants are exempted from registration fee.
5. FDP material will be provided only in Soft copy form, as per availability from the resource persons.
6. Infrastructural resources such as: Classroom (including E-class Rooms)/Seminar Hall with LCD projection system, mike, speakers may kindly be provided by GCET.


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19. High Voltage Protection & Dry run protection			
20. Standard Accessories :			
21. Ultrasonic Generator, Ultrasonic Cable with PT 100 sensor Sealed Converter,			
22. Probe (1 Standard Probe), Wrench Set,			
23. Optional Accessories : Sound Enclosure, Support Stand, Laboratory Jack			
24. Certificate : Product CE Certified			
25. Warranty : One Year			

Terms and Conditions :

Ultra Autosonic India	Frontline electronics and machinery Pvt.Ltd	Johnson plastasonic pvt ltd	Samarth electronics
1. PRICES The Price Quoted is Ex-works at Pune.	1) Rate quoted are F.O.R. Ahmedabad exclusive of sales tax.	1. Delivery Period: - 1-2 weeks after receipt of order and advance	1. Price: Ex- Works
2. TAX GST 18% As Applicable (Note - At present GST 18% (9% SGST & 9% CGST) OR 1GST 18%)	2)GST: @18% of basic price Extra	2. Payment: - 50% Advance balance against proforma before dispatch.	2. Delivery: 3-4 Weeks after receipt of advance
3. Delivery 1-2 weeks after receipt of PO Confirmation	3.)P&F: 2% of the basic price extra.	3. Kindly make payment on Name of 'Johnson Plastasonic (p) Ltd,' Payable at Pune, HDFC Bank Mayur colony Branch Pune	3. Payment: 100% advance along with the purchase order
4. Payment 100 % Advance along with the PO.	4) Freight: Nil.	4. Warranty: - 01 calendar yrs. excluding top log.	4. GST CODE: 27ABLFS0399A17, 3
5. Warranty The equipment will carry a warranty of 1 Year from delivery against any manufacturing defect.	5)Payment: 40 % advance along with P.O. ,40 % against proforma invoice 20 % after delivery / installation .		5. HSN CODE: 84562000
6. Packaging Extra on your account.	6)Validity of quotation : 30 days from date of quo.,		6. Sales Tax: 1% GST
7. Forwarding Extra on your account.	7)Warranty : One year from the date of installation against any manufacturing defect.		7. Packing & Forwarding: 3%packing / 1% Packed in corrugated box to avoid transporting damages)For Chillers& Non Std equipments Wooden
8. Installation	8)Delivery: Within 30- 45 days from the order acceptance.		
	9) Installation Charge		


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2018-19

One Week Faculty Development Program on "5G and GNSS Positioning"

17th - 22nd June, 2019

Attendance Sheet

[illegible]

GEETHANJALI COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF ECE

One Week Faculty Development Program on "5G and GNSS Positioning"

17th -22nd June, 2019

Attendance Sheet

[illegible]

GEETHANJALI COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF ECE

One Week Faculty Development Program on "5G and GNSS Positioning"

17th -22nd June, 2019

Attendance Sheet

S.N.	Name	Designation	Organization	17/06/19		18/06/19		19/06/19		20/06/19		21/06/19		22/06/19	
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
27	M. Raju	Asst Prof	GCET	17	18	19	20	21	22	23	24	25	26	27	28
28	M. Srinivas	Asst Prof	GCET	17	18	19	20	21	22	23	24	25	26	27	28
29	A. R. L. Prasad	Asst Prof	GCET	17	18	19	20	21	22	23	24	25	26	27	28
30	J. K. R. Prasad	Asst Prof	GCET	17	18	19	20	21	22	23	24	25	26	27	28
31	B. S. Srinitha	Asst Prof	GCET	17	18	19	20	21	22	23	24	25	26	27	28
32	J. K. R. Prasad	Asst Prof	GCET	17	18	19	20	21	22	23	24	25	26	27	28
33	B. Lakshman	Senior Research Assistant	CSIR	17	18	19	20	21	22	23	24	25	26	27	28
34	N. Santhosh	CSIR, JRF	CC	17	18	19	20	21	22	23	24	25	26	27	28
35	R. Anil Kumar	Ph.D. Scholar	CC	17	18	19	20	21	22	23	24	25	26	27	28
36	B. Srinivas	Asst Prof	GCET	17	18	19	20	21	22	23	24	25	26	27	28

DEPARTMENT OF ECE
One Week Faculty Development Program on "5G and GNSS Positioning"
17th -22nd June, 2019

17th -22nd June, 2019

S.N.	Name	Designation	Organization	17/06/19		18/06/19		19/06/19		20/06/19		21/06/19		22/06/19	
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
35	P. Lakshmi	Asst Prof	GCET	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓
36	C. Suresh Babu	Assoc Prof	GCET	✓						✓		✓		✓	✓
37	A. J. Kumar	Asst Prof	GCET	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
38	S. Jyothirmay	Asst Prof	GCET	✓	✓	✓	✓			✓					
39	S. Jyothirmay	Assoc Prof	GCET					✓	✓	✓	✓	✓	✓	✓	✓
40	A. J. Kumar	Asst Prof	GCET							✓					
41	S. Jyothirmay	Asst Prof	GCET	✓	✓					✓					
42	P. Lakshmi	Asst Prof	GCET	✓	✓					✓					
43	S. Jyothirmay	Assoc Prof	GCET	✓	✓					✓				✓	✓
44	H. Krishna	Asst Prof	GCET	✓	✓					✓	✓	✓	✓	✓	✓
45	P. Narash Kumar	Asst Prof	GCET	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
46	P. Narash Kumar	Asst Prof	GCET	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓

DEPARTMENT OF ECE
One Week Faculty Development Program on "5G and GNSS Positioning"
17th -22nd June, 2019

R2 D Lab Visit
GNSS Setup

[illegible]

2018-19

GEETHANJALI COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF ECE

Date: 25.04.2019

**REPORT ON 5-DAY IN-HOUSE FACULTY DEVELOPMENT PROGRAM ON
"EMBEDDED SYSTEMS LAB"**

Held on 15th, 16th, 17th, 18th and 20th April 2019

The Department of ECE, Geethanjali College of Engineering and Technology organized an internal 5 day faculty development program on "Embedded Systems Lab".

Dates of the FDP : 15th, 16th, 17th, 18th and 20th April 2019

Venue: Embedded Systems Lab, Room No.316, Block I

Faculty Coordinator for this FDP : Mr. Ch Sandeep, Asst. Professor, ECE Dept.

Resource persons:

1. Prof. K. Somasekhara Rao, Professor, ECE Dept.
2. Mr. Ch. Sandeep Asst. Prof. ECE Dept. and
3. Mr. P.V. Kiran Kumar from Physitech, who supplied ARM kits to ES Lab.

Participants:

- 1) Ms. M Laxmi
- 2) Ms. ARL Padmaja
- 3) Mr. P Chandrapraksh Reddy
- 4) Ms. B Suneetha
- 5) Mr. B Jugal Kishore
- 6) Mr A Subrahmanyam
- 7) Mr. M Anand
- 8) Mr. Ch Sandeep
- 9) Mr. M Chatter Singh
- 10) Mr. D Venkateshwarlu
- 11) Mr. D Vivekanand
- 12) Ms. M Vasanthi
- 13) Ms. A Rama Devi
- 14) Mr. K S Rao
- 15) Mr. B Ramu


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Objective of this program: To improve instructional effectiveness of faculty to teach Embedded Systems Lab course.

GEETHANJALI COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF ECE

Date: 12.04.2019

Circular

All the faculty members and the lab assistants who were allotted the laboratory course of "Embedded Systems Lab" for the first semester of the year 2019-20, are hereby informed that an internal FDP would be organized during the week 15-20 April 2019 as per the schedule indicated below. As this FDP is intended to provide hands on sessions for the faculty and staff, all the faculty and staff connected with this lab are required to take this training seriously and practice the experiments until they would be able to do all the experiments independently.

Schedule for Internal FDP on Embedded Systems Lab

Date		Experiment Name	Resource person
15.4.2019	FN	Introduction to ARM7-Architecture and Instruction set. Explanation of 1,2&3 experiments.	Ch.Sandeep
	AN	Practical session	
16.4.2019	FN	Explanation of 4,5,6 experiments.	Ch.Sandeep
	AN	Practical session	
17.4.2019	FN	Explanation of 7,11 & 12 experiments.	Ch.Sandeep
	AN	Practical session.	
18.4.2019	FN	Explanation of 8,9 & 10 experiments.	From Physitech
	AN	Practical session	
20.4.2019	FN	Revision, discussions and clarifications	Ch.Sandeep
	AN	Test	

Note 1: In the Practical session, all the experiments explained in the FN session are to be executed by every participant.

Note 2: Test is to be attended by each faculty and one experiment (randomly selected) is to be conducted.

List of experiments:

1. Programs for arithmetic and logical operations for LPC2148
2. Program for finding largest number in an array for LPC2148.
3. Program for finding LCM of two numbers for LPC2148.
4. Program to generate Fibonacci Series using LPC2148.
5. Program to generate Multiplication Table of a number using LPC2148.
6. LED Blinking using LPC2148.
7. Buzzer Interfacing with LPC2148.
8. LCD interfacing with LPC2148.

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9. Interfacing ADC/DAC to LPC2148.
10. Interfacing of temperature sensor with LPC2148.
11. Servo motor interfacing with Arduino.
12. DC motor interfacing with Raspberry Pi.

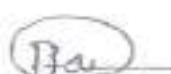
Other details:

1. Venue: ES Lab – Room No. LH 316 of Block I.
2. FDP coordinator : Mr.Ch.Sandeep.
3. Resource persons : Mr.Ch.Sandeep and person from Physitech.
4. Timings : 9:15 am to 12:20 pm, 1:00 pm to 3:30 pm.

Mandatory Participants (faculty who are taking ES Lab course and ES Lab – Lab assistants)

1. M.Laxmi
2. P.Chandraprakash Reddy
3. B.Sunitha
4. B.Jugal Kishore
5. A.Subrahmanyam
6. Ch.Sandeep
7. ARI. Padmaja
8. M.Chathar Singh
9. D.venkateshwari
10. D.Vivekananda


Ch. Sandeep, Asst. Prof, ECE
Coordinator


Prof. B. Hari Kumar
Head, Dept. of ECE


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Geethanjali College of Engineering and Technology
Internal FDP on Embedded Systems Lab
ECE Department

S.No.	Name	15-04-'19		16-04-'19		17-04-'19		18-04-'19		20-04-'19	
		FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	M.Laxmi	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
2	NRL Padmaja	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
3	P.Chandraprakash Reddy	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
4	B.Sunitha	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
5	B.Jugal Kishore	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
6	A.Subrahmanyam	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
7	M.Anand	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
8	Ch.Sandeep	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
9	M.Chathar Singh	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
10	D.veskateshwarlu	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
11	D.Vivekananda	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
12	M.Vasanthi	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
13	A.Rama Devi	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
14	K.S. Rao	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
15	B.Ramu	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB

SL

Geethanjali College of Engineering and Technology
Internal FDP on Embedded Systems Lab
ECE Department



Geethanjali
College of Engineering and Technology
Bhadrachalam, Andhra Pradesh

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(UGC Autonomous, Accredited by NAAC with "A" Grade & NBA)

(Approved by AICTE and Permanently Affiliated to JNTUH)

Cheeryal(V), Keesara(M), Medchal Dist., 501301

Department of Electronics and Communication Engineering

Certificate of Participation

This is to certify that Mr./Ms. P. Chandra Prakash Reddy, Assistant Professor of ECE department has participated in a "Five-day workshop on "Embedded Systems Lab" during 15th to 20th APRIL, 2019 organized by the Department of Electronics and Communication Engineering at Geethanjali College of Engineering and Technology, Hyderabad.

Ch. Sandeep
Coordinator

Prof. K. Sumanthara Rao
Group IV Head

Prof. B. Hari Kumar
HoD, ECE


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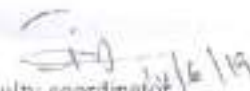
GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING


CIRCULAR

Date: 14-06-2019

All the Faculty are here by informed that five day FDP on MPMC Lab will be organized by group IV of Department of ECE from 17/06/2019 to 21/06/2019. All the faculty are recommended to attend without fail.

- | | | |
|--------------------|---|--|
| 1. Resource Person | : | Ms. M.Laxmi, Assoc.Prof
Ms.G.Sreelakshmi, Assoc.Prof
Mr. Ch.Sandeep, Asst.Prof |
| 2. Date | : | 17/06/2019 to 21/06/2019 |
| 3. Time | : | 9.30 AM to 3.00 PM |
| 4. Venue | : | MPMC Lab(101) |


Faculty coordinator
Ms.G.Sreelakshmi Assoc Prof

HoD,ECE 
Prof.B.Hari Kumar


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GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY (Autonomous)
Cheeryal (V), Keesara (M), Medchal Dist., Pin Code: 501 301
Department of ECE

REPORT

ON

"5 Day FDP on Microprocessors and Microcontrollers LAB course"

Held on 17th to 21st June 2019

Department of ECE, Group IV organized a **"5 Day Faculty Development program on Microprocessors and Microcontrollers lab course"**, held at MPMC LAB from 17th June to 19th June 2019, for faculty of ECE, handling the lab course for ECE and EEE III Yr. students, during A. Y 2018-19. Training is given by the lab handling faculty G.Sreelakshmi, Ms. M.Laxmi, and Mr. Ch.Sandeep of ECE Department. The FDP aims to provide an opportunity to the entire lab handling faculty, to enrich their programming skills in lab experiments as per Autonomous syllabus. The FDP also intends to develop the knowledge of faculty for execution of additional experiments with Proteus software. On the First Day of FDP, in the morning session, Group Head Prof. K. Somasekara Rao addressed the faculty to gain expertise in knowledge on processor architecture and programming skills and execute the same using hardware and software with involvement and dedication. He emphasized on the methodology of conducting the Lab experiments and Teaching Learning process.

Through this program, the lab handling faculty was gained hands-on experience in various aspects like assembly language programming for 8086 microprocessors and 8051 microcontrollers, execution using software's (MASM, KEIL) and hardware kits (8086,8051), Interfacing study cards (8255, ADC, DAC, LCD, HEX KEYBOARD) with trainer kits. Eleven faculty members have attended this program. In the Valedictory session, Prof. B.Harikumar HoD, ECE appreciated the way of conducting FDP and informed the participants about the requirements of the FDP training. He also said that the Group IV is conducting this type of trainings actively and this will give motivation to other groups. He also appreciated the Group Head for his proactiveness and making the group faculty always passive in his speech. All the sessions were very much informative and interactive. Participants were enlightened with the interfacing modules with microprocessor 8086 and microcontroller 8051.

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Resource members:

1. G.Sreelakshmi
2. Ms. M.Laxmi
3. Mr. Ch.Sandeep

Participants:

1. Prof.K.Somasekhara Rao
2. Dr.S.Saritha
3. Mr. D.Venkata Rami Reddy
4. Ms. Jyothirmayee
5. Ms. S Yagnasree
6. Ms. B.Mamatha
7. Ms. V.Sireesha
8. Mr. M.Anand
9. Ms.L.Kavya
10. Ms. A R L Padmaja

Schedule:

Date	Timings:9.30 AM to 3.00 PM
17/06/19	Introduction to 8086 microprocessor and MASM software
&	1. Programs for 16bit arithmetic operations for 8086 (using various addressing modes)
18/06/19	2. Program for sorting an array for 8086
	3. Program for searching for a number or character in a string for 8086
	4. Program for String manipulations for 8086
	5. Program to generate Fibonacci Series using 8086.
	6. Interfacing ADC and DAC to 8086.
	7. Parallel communication between two microprocessors using 8255.
	8. Serial communication between two microprocessor kits using 8251.
	9. Program and verify different modes of 8255


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19/06/19	Introduction to 8051 and KEIL μ vision software.
&	11. Programming using arithmetic, logical and bit manipulation instructions of 8051
20/06/19	12. Program and verify Timer/Counter in 8051.
	13. Program and verify interrupt handling in 8051.
	14. UART operation in 8051.
	15. Communication between 8051 kit and PC.
	16. Interfacing Keyboard/Display to 8051.
	17. Interfacing matrix or keyboard to 8051.
21/06/19	Additional Experiments and Introduction to Proteus Software.
	16. Interfacing LCD to 8051 (Proteus)
	17. Wave form generation using Keil(Proteus)
	18. Programs using DOS/BIOS interrupts. (MASM)

Photos





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Feedback summary

The Feedback is obtained from faculty members who attended the workshop as follows:

1. The FDP was applicable to my area of interest.
 - : 80% rated as strongly agreed.
 - : 10% rated as agree to large extent.
 - : 10% rated as agree.
2. The program was well paced within the allotted time.
 - : 90 % rated as strongly agreed.
3. The instructors were good communicators.
 - : 88 % rated as strongly agreed.
 - : 12 % rated as agree.
4. The material was presented in an organized manner.
 - : 92% rated as strongly agreed.
 - : 8% rated as agree to large extent.
5. The instructors were knowledgeable on the topics.
 - : 84% rated as strongly agreed.
 - : 16% rated as agree to large extent.
6. The FDP improved my understanding of the topics.
 - : 76% rated as strongly agreed.
 - : 16% rated as agree to large extent.
 - : 8% rated as agree.
7. I understood the concepts presented in the FDP.
 - : 92% rated as strongly agreed.
 - : 8% rated as agree to large extent.
8. The knowledge and skills I learned will be useful to me in my professional career.
 - : 84% rated as strongly agreed.
 - : 16% rated as agree to large extent.
9. I would attend other FDP offered by these facilitators in future.
 - : 76% rated as strongly agreed.
 - : 16% rated as agree to large extent.
 - : 8% rated as agree.
10. What did you most appreciate/enjoy/think was best about the course?
 - Appreciation-Interfacing Modules
 - Enjoyable-Discussions in depth on instructions
 - Detailed Explanation of Theoretical and Practical sessions
 - Creating the interest, encouraged everyone to participate in discussion and exploring the knowledge in-depth.
11. Any suggestions for improvement?
 - FDP has to be in this manner, so that more explanation can be done.


Faculty coordinator

Ms.G.Sreelakshmi Assoe Prof


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HoD,ECE 

Prof.B.Hari Kumar

FDP on

Cloud Infrastructure and
Services

Geethanjali College of Engineering and Technology

CHEERYAL (V), KEESARA (M), Medchal (Dist), Telangana

Department of Computer Science & Engineering

CIRCULAR

Date: 27-12-2018

A Faculty Development Program on "Introduction to Cloud infrastructure and services" is organized by CSE Dept.as per the details given below

Date : 2 Days(28-12-2018 & 29-12-2018)

Time : 10 am to 3:30pm

Venue : Lab-7, Block-I

Resource-Persons: Sravya Nujella,Trainer, ICT Academy

Coordinator: Ms Ester Varma Assoc.Profesor,CSE, Dept,GCET

All faculty members have to attend the same positively except on essential duties.

[Signature]
HOD-CSE

[Signature]
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Geethanjali College of Engineering and Technology

(Approved by AICTE, New Delhi and Affiliated to JNTU, Hyderabad)

Sy.No. 33 & 34, Cheeryal (V), Keesara (M), Medchal District. (A.P.)-501301.

Date: 11-12-2018

To,

The Principal,

Geethanjali College of Engineering and Technology,

Cheeryal.

Through Proper Channel

Respected Sir,

Subject : Request for permission to conduct FDP -Reg.

We are pleased to inform you that the department of CSE is planning to conduct a Faculty Development Program from 28-12-2018 to 29-12-2018 for two days on **"Introduction to Cloud Infrastructure and Services"**. The FDP aims at bringing the faculty and research scholars together to exchange ideas and information on current research and have a practical experience in this emerging field of Cloud Computing.

In line with this, we request you to kindly grant us permission to conduct the FDP in collaboration with ICT.

Thanking You Sir,

Yours Sincerely,

(Dr. G. Soma Sekhar)

Ok, please go ahead -

Shr

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15/12/18

ABOUT THE PROGRAM

This FDP aims at providing a forum for members of the research and academic community, to interact on cutting-edge and ground breaking topics in Big Data Analytics some of its objectives:

- To promote and foster Big Data Science, Technology and Applications in the country and to develop core generic technologies, tools and algorithms for wider applications in IT and Government Organizations.
- To ensure faculty members are trained in the niche area of, big data analytics platforms Hadoop, Hadoop-Related Projects, Spark etc.), machine learning techniques and its use in analytics, NoSQL databases, and security and privacy issues in big data analytics.
- To impart the state of art knowledge of advances in research, different tools and real time applications of big data (Big Data Analytics in e-Government and Society, Healthcare, Transportation, Business etc.).
- To strengthen specialized research areas of big data analytics.

EXPECTED OUTCOME

Upon successful completion of the training programme, participants would be able to not only contribute as a Data Science Team Member on big data and other Analytics projects but also take up research by:

- Deploying the Data Analytics Lifecycle to address big data Analytics projects.
- Reframing a business challenge as an analytics challenge.
- Applying appropriate analytic techniques and tools to analyze big data, create statistical models, and

identify insights that can lead actionable results.

- Selecting appropriate data visualizations to clearly communicate Analytic insights to business sponsors and analytic audiences.
- Using tools such as: R and RStudio, MapReduce/Hadoop.

BENEFITS TO FACULTY

- Big Data Fundamentals, Models and Frameworks for Big Data, Advances in Big Data Analytics
- Advanced Methods for Big Data Analytics (Text Analytics, Video Analytics, Audio Analytics, and Predictive Analytics etc.), Machine Learning Techniques
- Infrastructures for Big Data, High Performance Computing including Parallel & Distributed Processing, Cloud Based Infrastructures (Applications, Storage & Computing Resources)
- Big Data Management and Frameworks, Distributed Database Systems, Distributed File Systems, Novel Data Management Methods, Stream Data Management
- Role of Big Data in Design of Web Recommender Systems, Cloud-Based Big Data Analytics, The Fog Data Analytics Through Edge Clouds
- Advanced applications of Big Data Analytics (E-Government and Society, Healthcare, Transportation, Business etc.)
- Hands on sessions on Big Data Open Platforms (Apache Hadoop, Hadoop-Related Apache Projects, Apache Spark)
- Security & Privacy in the Era of Big Data, Privacy Threats of Big Data, Privacy Preserving Big Data Publishing, Intrusion Detection

Hands-on Training will be done in the afternoon sessions

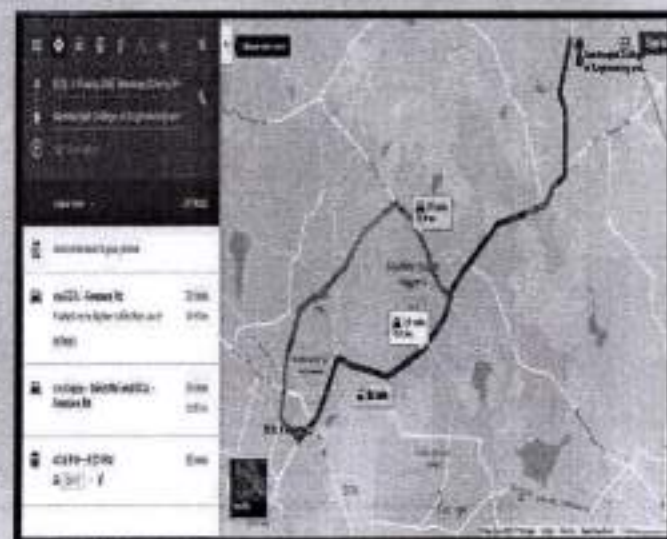
RESOURCE PERSONS

Resource persons are eminent faculty members from premier Institutions / Industries including

- IIIT, Hyderabad
- IDRBT, Hyderabad
- IIITDM, Kurnool
- JNTUH, Hyderabad
- TCS
- IBM
- Oracle
- Microsoft India

Detailed program schedule is available on the web page

Route map from ECIL X Roads to GCET:



Budget Utilization

Annexure - II

Geethanjali College of Engineering and Technology

Cheeryal Village, Keesara Mandal, Medchal District, Telangana 501301

UTILIZATION CERTIFICATE FOR THE FINANCIAL YEAR 2017 - 2018

Name of the scheme under which grant was sanctioned **FDP**

AICTE File No.: F.No. 6-90/RIFD/FDP/Policy-1/2016-17

Name of Co-ordinator: Dr. S Nagender Kumar

Date of Programme: 30- Nov-2017 to 02-Dec-2017

Title of the FDP Programme: 2 Week AICTE Sponsored Faculty Development Program on Big Data Analytics

S.No	AICTE sanctioned Order /Letter No. and Date under which grant was sanctioned	Amount (Rs.)	Certified that out of <u>Rs.7,00,000/-</u> of grants-in-aid sanctioned during the year <u>2017-18</u> in favour of <u>Geethanjali College of Engineering and Technology, Cheeryal Village, Keesara Mandal, Medchal District, Telangana, 501301</u> under this University Institution Letter No. <u>F.No.6-90/RIFD/FDP/Policy-1/2016-17</u> given in the margin and Rs.NIL on account of unspent balance of the previous year, Rs. NIL, on other income receipts, a sum <u>Rs.7,00,224</u> has been utilized for the purpose for which it was sanctioned and that the balance of Rs.NIL remaining unutilised at the end of the year.
1	Date of Offer Letter 06-06-2017; F.No. 6-90/RIFD/FDP/Policy-1/2016-17	Rs.7,00,000/-	

Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilised for the purpose for which it was sanctioned.

Kinds of checks exercised:

Audited Annual Accounts of the Institute
Receipt and Payment account
Periodical Progress Reports

- Name, Signature & Address of the Coordinator with seal:
Dr. S. Nagender Kumar
Geethanjali College of Engineering and Technology,
Cheeryal Village, Keesara Mandal,
Medchal District, Telangana 501301

- Signature of the Chartered Accountant

Name of the Chartered Accountant:

Membership No. C 2 2 3301

Rubber Stamp:

Full Address:

Date 5.11.17

HARI BABU & ASSOCIATES

Chartered Accountants

Plot No. 19, Flat No. 20, AN, Residency,

Ravi Co-op Housing Society

Trimulgherry, Secunderabad - 500 015.

Ph: 040 - 27741549

- Signature of Head of the Institute

Name: Dr. Udaya Kumar Suresh

Designation: Principal

Address: Geethanjali College of Engineering and

Technology, Cheeryal Village, Keesara Mandal,

Medchal District, Telangana

Date:

- Signature of the Finance Officer/Accounts Officer

Name of the Finance Officer/Accounts Officer:

(If it is Govt./ Govt. Aided Institute)

Note: If it is more than one page, each page must be signed in all annexure



PRINCIPAL

Geethanjali College of Engineering and Technology

Cheeryal (V), Keesara (M), Medchal Dist. (T.S.) - 501301

Geethanjali College of Engineering and Technology

CHEERYAL (V), KEESARA (M), R.R.DIST-501301, Telangana

Date: 21/12/2018

Through proper channel

To,
The Principal,
GCET, Cheeryal.

Respected Sir,

Subject: Request for accommodation for Resource Person of FDP-Reg.

The Dept. of CSE is planning to conduct a Faculty Development Program (FDP) on "Introduction to Cloud Infrastructure and Services" from 28-12-2018 to 29-12-2018. Resource Person Mrs. N. Sravya is coming from Vijayawada. We need to provide accommodation for her from 27/12/2018 7:30 PM to 29/12/2018 7:30 PM. I request you to please approve the same so that we can conduct the aforesaid FDP.

Thanking You Sir,

Ch. Esther Varma
Ch. Esther Varma
Coordinator

GSS
Dr. G. Soma Sekhar
Co-Convener

Blathi
Dr. B.V. Swathi
HoD-CSE, Convener

Head, CSE

Please provide the profile of the resource person

Geethanjali College of Engineering and Technology
(Autonomous)
Cheeryal (V), Keesara (M), Natchikudi Dist. (T.S.) - 501301

OK, please
Head

Sub
9/21/12/18

Geethanjali College of Engineering and Technology

CHEERYAL (V), KEESARA (M), R.R.DIST-501301, Telangana

Date: 11/12/2018

Through proper channel

To,
The Principal,
GCET, Cheeryal.

Respected Sir,

Subject: Request for sanction for budget for FDP-Reg.

The Dept. of CSE is planning to conduct a Faculty Development Program (FDP) in "Introduction to Cloud Infrastructure and Services" from 28-12-2018 to 29-12-2018. We estimate the expenses to be about Rs.5,270.00 (Rupees Five Thousand Two Hundred and Seventy only). I request you to please approve the same so that we can conduct the aforesaid FDP.

S.N.	Item	Per Session/Day	Amount
1	Tea and Snacks a. Participants	4 Sessions @ Rs.10 for 40 members	Rs. 1600/-
	b. Guests	10 members@ Rs.20	Rs.200/-
2	Working Lunch for participants	2 days @ Rs. 50 for 20 Members	Rs. 2,250/-
	Special Lunch for guests	2days @ 70 for 3 members	Rs. 420/-
3	FDP Certificates	40 Members @ Rs.7.50	Rs. 300/-
4	Banners	-	Rs. 500/-
5	Transport	College Transport	
Total			Rs. 5,270/-
Expenditure to be met from College			Rs. 5,270/-

Thanking You Sir,

Ch. Esther Varma
Coordinator

Dr. G. Soma Sekhar
Co-Convener

Dr. B.V.Swathi
HoD-CSE, Convener

To
A/c for on & off
15/12/18

Geethanjali College of Engineering and Technology
Cheerla(V), Keesara(M), R.R.(D)

Faculty Development Program on "Introduction to Cloud Infrastructure and Services"

28th -29th December, 2018

Organized by Department of Computer Science Engineering

Day wise Attendance Sheet

Sl. No.	Name	Institution	28 th Dec	29 th Dec	30 th Dec	31 st Dec
1	KOLLI LALITHA KUMARI	AAR Mahaveer Engineering College				
2	M VIJAYA LAXMI	AAR Mahaveer Engineering College				
3	PAGALLA BHAVANI SHANKAR	Andhra Loyola College(AUTONOMOUS), Gunadala, Krishna	P Bhavani Shankar	P Bhavani Shankar	P Bhavani Shankar	P Bhavani Shankar
4	P JAGDISH KUMAR	AVN Institute of Engineering and Technology, Ibrahimpatnam				
5	swapna	CM Engineering College, Secunderabad				
6	Dr. M.LAXMAIAH	CMR Engineering College				
7	Cholleru Vikas	Geethanjali College of Engineering and Technology, Keesara Mandal	Chv	Chv	Chv	Chv
8	Harekrishna Alip	Geethanjali College of Engineering and Technology, Keesara Mandal	H	H	H	H
9	K NARESH BABU	Geethanjali College of Engineering and Technology, Keesara Mandal	Nare	Nare	Nare	Nare
10	KEERTHI BANGARI	Geethanjali College of Engineering and Technology, Keesara Mandal	Keerthi	Keerthi	Keerthi	Keerthi
11	LALITHA A	Geethanjali College of Engineering and Technology, Keesara Mandal	L	L	L	L
12	MUNUGAPATI BHAVANA	Geethanjali College of Engineering and Technology, Keesara Mandal	Bhavan	Bhavan	Bhavan	Bhavan
13	N.RADHIKA AMARESHWARI	Geethanjali College of Engineering and Technology, Keesara Mandal	N Radhika	N Radhika	N Radhika	N Radhika
14	NIVEDITHA	Geethanjali College of Engineering and Technology, Keesara Mandal	Niveditha	Niveditha	Niveditha	Niveditha
15	Phani	Geethanjali College of Engineering and Technology, Keesara Mandal	Phani	Phani	Phani	Phani
16	Preeti Prasad	Geethanjali College of Engineering and Technology, Keesara Mandal	Preeti	Preeti	Preeti	Preeti
17	S.L ANU	Geethanjali College of Engineering and Technology, Keesara Mandal	S Anu	S Anu	S Anu	S Anu

18	Seelaboyina radha	Geethanjali College of Engineering and Technology, Keesara Mandal	g.Radha	g.Radha	g.Radha	g.Radha
19	Siva	Geethanjali College of Engineering and Technology, Keesara Mandal	si	si	si	si
20	SWATHI TEJAH Y	Geethanjali College of Engineering and Technology, Keesara Mandal	Swathi	Swathi	Swathi	Swathi
21	Uma Mahesh	Geethanjali College of Engineering and Technology, Keesara Mandal	Uma	Uma	Uma	Uma
22	SURENDRANADH BENARIJ.B	GVR & S College Of Engineering & Technology, Guntur				
23	KAVITA SRIVASTAVA	Institute of Information technology and management(D-29), Delhi				
24	Huma Kausar	JB Institute of Engineering and Technology, Moinabad Mandal				
25	MALLEPALLI PRASANNA KUMARI	JB Institute of Engineering and Technology, Moinabad Mandal				
26	P SWARNA LATHA	Joginpally BR Engineering College, Moinabad Mandal	swarna	swarna	swarna	swarna
27	YATAGIRI YAMINI	Joginpally BR Engineering College, Moinabad Mandal	Yol.	Yol.	Yol.	Yol.
28	Mahendar A	Malla Reddy Institute of Engineering and Technology, Secunderabad				
29	BADDEPAKA PRASAD	Osmania University College of Engineering, Hyderabad				
30	D SAI KUMAR	Osmania University College of Engineering, Hyderabad	dsai	dsai	dsai	dsai
31	V Pradeep Kumar	Padmasri Dr BV Raju Institute of Technology, Narsapur				
32	John Wesley	Sree Dattha Institute of Engineering And Science				
33	Puneet Shetteppanavar	Sree Dattha Institute of Engineering And Science				
34	S RANGA Swamy	Sri Vasavi Institute of Engineering and Technology, Andhra Pradesh				
35	D. M. Lakshmi	Stella Marys College for Women				
36	AMESH G	Thiruvalluvar College of Engineering and Technology				
37	AVINDER	Vardhaman College of Engineering and Technology, Shamsabad Mandal				

38	Adilakshmi Siripireddy	Vignana Bharathi Institute of Technology				
39	M VENKATESHWAR RAO	Vignana Bharathi Institute of Technology				
40	SRIDHAR REDDY VULUPALA	Vignana Bharathi Institute of Technology				
41	C T Kiran Kanth	Sri Chaitanya College of Engineering And Technology, Ibrahimpattam				
42	P V Rama Gopala Rao	Sri Chaitanya College of Engineering And Technology, Ibrahimpattam				
43	V Ramanjaneyulu	Sri Chaitanya College of Engineering And Technology, Ibrahimpattam				
44	Bhupathi Priyanka	Swami Vivekananda Institute of Technology(SVIT),Secunderabad				
45	K Prashanth	Swami Vivekananda Institute of Technology(SVIT),Secunderabad				
46	P Deepthi	Swami Vivekananda Institute of Technology(SVIT),Secunderabad				

47)	K. Preeti	GCET				
48)	Lochan Ramani	GCET				
49)	ch. c. r. Rao	GCET				
50)	S. Ramanjaneyulu	GCET				
51)	P. Hanitha	GCET				
52)	K. Gnanam Mayu	GCET				
53)	M. Sujitha	GCET				
54)	K. Shivakumar	GCET				
55)	Meena Sravanthi	GCET				

Geethanjali College of Engineering and Technology
 (Autonomous) Madhav District - 501 301
 Hyderabad

A Report on

FDP on Introduction to Cloud Infrastructure and Services

Objective: Understanding on concepts of Cloud Type, Instances, Virtualization usage, Disk management, etc. and working knowledge of Amazon Cloud Services

Outcome: Understand the fundamentals of Cloud Computing. Learn to exploit the benefits of the cloud infra.

ICT Academy is an initiative of the Government of India in collaboration with the state Governments and Industries. ICT Academy is recently endorsed and recommended by NITI Aayog (National Institution for Transforming India Aayog), the National Planning body of Government of India as one of the unique organization for dissemination and replication, which is aligned to the Skill India Vision of the Government of India.

Ms. Sravya Nujella, Trainer, ICT Academy is the resource person for this FDP. She is an internationally certified trainer for "Cloud Infrastructure and Services". She has vast experience in delivering such FDPs in India and abroad.

During this FDP, participants will learn how to build cloud infrastructure based on a cloud computing reference model. The reference model includes five fundamental layers (physical, virtual, control, orchestration, and service) and three cross-layer functions (business continuity, security, and service management) for building a cloud infrastructure. For each layer and cross-layer function, this program covers the comprising technologies, components, processes, and mechanisms. This program takes an open-approach to describe the concepts and technologies, which are further illustrated and reinforced with Dell EMC-related product examples.

Such programs are conducted regularly at GCET to train the faculty members on latest skill set which in turn helps the students to acquire these skills. This association will be instrumental in enhancing the skills required for the industry and generating employment especially in Tier 2 and Tier 3 towns and the rural parts of the country.

Guy

PRINCE
Geethanjali College of Engineering and Technology
(Autonomous)
Kavayitri Narayan, Madurai Dist. 625 001

FDP on Introduction to Cloud Infrastructure Services



Geethanjali College of Engineering and Technology
(Autonomous)
Chennai (V), Kaseyapatti, Madhav Nagar, T.S.S. - 601 301



ICT ACADEMY
Innovate... Collaborate... Educate...

Geethanjali College of Engineering and Technology

(Approved by AICTE, New Delhi and Affiliated to JNTU, Hyderabad)

Sy.No. 33& 34, Cheeryal (V), Keesara (M), Medchal District. (A.P.)-501301.

In association with ICT Academy

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Participation Certificate

This is to certify that Dr./Prof./Mr./Ms. K. Nareesh Babu of Geethanjali College of Engg. has participated in 2-day FDP on "Introduction to Cloud Infrastructure and Services", organized by department of Computer Science and Engineering on 28th and 29th December 2018.


ICT coordinator


Convener
Dr.B.V.Swathi


Patron
Dr.S.Udaya Kumar

Principal
Geethanjali College of Engineering and Technology
(Autonomous)
Cheeryal (V), Keesara (M), Medchal Dist. (T.S.) - 501301

FDP On

- Data Analytics & Machine Learning
Using Python ,R Programming, Tableau
and SPSS

Geethanjali College of Engineering and Technology

CHEERYAL (V), KEESARA (M), Medchal (Dist), Telangana

Department of Computer Science & Engineering

CIRCULAR

Date: 07-02-2019

A one week Faculty Development Program on "Data Analytics & Machine Learning Using Python ,R Programming, Tableau and SPSS" is organized by CSE Dept.as per the details given below

Date : 11-02-2019 to 16-02-2019
Time : 10 am to 3:30pm
Venue : ^{ELCC Lab} Lab-5, Block-I
Topics: Data Analytical Tools
Resource-Persons: Mr.C.Yuktesh,Developer Eco-systems and Start-ups, IBM
Ms.Deepika Jagadeesh, Sr.Data Scientist, Tech.Mahindra
Mr.P.Mohan, Sr.Data Scientist, Tech.Mahindra
Coordinator: Ms Ester Varma Assoc.Profesor, CSE Dept,GCET

All faculty members have to attend the same positively except on essential duties.


HOD-CSE


PRINCIPAL
Geethanjali College of Engineering and Technology
(Autonomous)
Cheeryal (V), Keesara (M), Medchal (Dist), Telangana - 501 301

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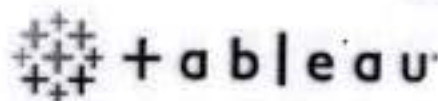
At Geethanjali, perfection is a passion.

50

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103

For a growing number of people, data science is a central part of their job. Increased data availability, more powerful computing, and an emphasis on analytics-driven decision have made it a heyday for data science. For anyone interested in machine learning, working with largedatasets, or creating complex data visualizations, R for statistical analysis, Python as a general-purpose programming language, tableau and SPSS are absolutely essential. The FDP is intended to provide opportunity to the participants to upgrade their knowledge about using different tools for data analytics. This FDP helps the faculty of various engineering colleges to understand different research aspects in the area of data analytics. Eminent persons working/guiding in the research of data analytics and allied fields are the resource persons for this FDP.



the

Mr. C. Yuktesh, Developer Ecosystems & Start-ups, IBM.
Ms. Deepika Jagadeesh, Sr. Data Scientist
Mr. P. Mohan, Sr. Data Scientist, Tech. Mahindra

REGISTRATION FORM

One Week Faculty Development Programme on :

**DATA ANALYTICS AND MACHINE LEARNING
USING PYTHON, R PROGRAMMING,
TABLEAU AND SPSS**

1. Name: _____
2. Date of Birth & Age: _____
3. Gender (M/F): _____
4. Qualifications: _____
5. Teaching Experience: _____
6. a) Designation: _____
b) Department: _____
7. a) Institution: _____
b) Affiliating University: _____
8. Address for Communication: _____

9. Phone Nos.: _____
(O) _____ (R) _____
- E - Mail ID: _____

Date: _____

Name: _____

Signature: _____

Office seal

Signature of the Principal

IMPORTANT DATES

**Last date for Submission of Application
08th February, 2019**

**Who can attend:
Faculty/ Research Scholars/PG students**

Registration fee: Rs. 1000/-

**Fee can be paid in Cash / D.D. in
Favour of "The Principal"
Geethanjali College of Engineering
and Technology
Payable at Hyderabad.**

Advisory committee:

**Dr. D S R Murthy , Professor
Dr. N. Ravi Shankar, Professor
Dr. Ch.Ramesh Babu, Professor
Dr. P Lalitha Suryakumari, Assoc. Professor**

Coordinator

**Ms. C.Esther Varma, Assoc. Professor
esthervarmait@gmail.com
+91-7702234519**

Co-Coordinator

**Mr. J. Uma Mahesh, Asst. Professor
umamaheshjcet@gmail.com
+91-8374878521**

Spot Registrations are also available.

**ONE WEEK
FACULTY DEVELOPMENT PROGRAM ON
DATA ANALYTICS AND MACHINE LEARNING
USING PYTHON, R PROGRAMMING, TABLEAU,
SPSS
WITH HANDS-ON
(11th- 16th Feb 2019)**

Chief Patron

Sri. G. R. Ravinder Reddy, Secretary

Patron

Dr. S. Udaya Kumar, Principal

Convener

**Dr. B.V. Swathi
Professor & Head, Department of CSE**

Coordinators

**Ms. C. Esther Varma , Associate Professor
Mr. J. Uma Mahesh, Assistant Professor**

ORGANIZED BY



Striving towards perfection...

**Department of Computer Science Engineering
Geethanjali College of Engineering and Technology
Cheeryal (V), Keesara (M), Medchal Dist,
Telangana-501301, India
www.gcet.edu.in**

Register Online at:

<https://bit.ly/2G7Nk75>

**In association with
IEEE CS-GCET SB, CSI and ISTE**

Geethanjali College of Engineering and Technology
 Cheeryal(V), Keesara(M), Medchal(D)
Faculty Development Program

on
"Data Analytics & Machine Learning Using Python, R Programming, Tableau and SPSS"
11th -16th February, 2019

DEPARTMENT of COMPUTER SCIENCE ENGINEERING

SCHEDULE:

SCHEDULE:

Date	Session-1 09:30AM to 11.00AM		Tea break (11:00 AM to 11.15 AM)	Session-2 11.15AM to 12:30PM	Lunch break (12:30 PM to 1.00 PM)	Session-3 1:00PM to 2.00PM	Tea break (2:00 PM to 02.15 PM)	Session-4 2:15 PM to 3.15PM	
Day-1 (Monday) 11/2/2019	Inaugural	Basics of PYTHON		Functions in PYTHON		Modules and Packages in Python		OOP in Python	
Day-2 (Tuesday) 12/2/2019	Python Database Connectivity			Data Analysis using Python		Data Analysis using Python		Data Visualization using Python	
Day-3 (Wednesday) 13/2/2019	Introduction to Data Science and Machine Learning			Machine Learning Techniques		Machine Learning Techniques		Introduction to Tableau	
Day-4 (Thursday) 14/2/2019	Tableau			Introduction to R Programming, Installation of R Tool		R Programming for Data Analytics		Advanced topics in R Programming	
Day-5 (Friday) 15/2/2019	Introduction to data analysis and interpretation. Basic of Statistics- Population, Sample, Mean, Standard Deviation, Interval, Estimation of parameters. Business scenarios and decision making with statistical techniques. SPSS Basics.			Measures of Central Tendency, Working with data and variables, Descriptive Statistics, Comparing of Means		Frequencies and Frequency Tables, Charts and Graphs		Hypothesis Testing One-Sample t-test Two Sample t-test Paired t-test	
Day-6 (Saturday) 16/2/2019	Correlation Analysis, Contingency Table			Regression Analysis, ANOVA		Chi-Square Test Factor Analysis,		Cluster Analysis	Valedictory

Geethanjali College of Engineering and Technology
 Cheeryal(V), Keesara(M), Medchal(D), Telangana
 (Autonomous)
 Tel: 01-501 5011



Geethanjali College of Engineering and Technology

(Approved by AICTE, New Delhi and Affiliated to JNTU, Hyderabad)
Sy.No. 33 & 34, Cheeryal (V), Keesara (M), Medchal District. (A.P.)-501301.

Date: 25-01-2019

To

The Principal

Geethanjali College of Engineering and Technology

Cheeryal.

Through Proper Channel

Respected Sir,

Subject : Request for permission to conduct FDP-Reg.

We are pleased to inform you that the department of CSE is planning to conduct a Faculty Development Program from 11-02-2019 to 16-02-2019 for one week on **Data Analytics & Machine Learning using Python and R Programming with hands-on**. The FDP aims at bringing the faculty and research scholars together to exchange ideas and information on current research and have a practical experience in this emerging field of Data Analytics.

In line with this, we request you to kindly grant us permission to conduct the FDP and also collaborate with professional bodies (CSI, ISTE, IEEE-CS).

Thanking You

Yours Sincerely,

C. Esther Varma

J. Uma Mahesh

(FDP Coordinators)

Forwarded to Secretary
for approval. (Expenditure likely to be incurred is Rs. 53,000/-)
Sd/- 25/01/19

PRINCIPAL
Geethanjali College of Engineering and Technology
(Autonomous)
Sy.No. 33 & 34, Keesara (M), Medchal Dist. (T.S.) - 501301

Secretary

Date:25-01-2019

TO

The Principal
Geethanjali College of Engineering & Technology
Cheeryal.

Respected Sir

Sub: Requesting budget approval for FDP-Reg.

The department of CSE is planning to conduct FDP on **"Data Analytics and Machine Learning Using Python , R Programming"** from 11th February 2019 to 16th February 2019. We are hereby submitting the detailed budget required for the FDP for your kind approval.

S.No	Name of the Item	Per Session/Day	Approximate Expenditure(Rs)
1	Banners and Brochures		3000/-
2	Tea and Snacks a. Participants b. Guests	12 sessions@Rs 10 for 40 members 12 Sessions@Rs 20 for 3 members	5520/-
3	Honorarium for resource persons	6 days@8000	48,000/-
4	Working lunch for Participants Special lunch for Guests	6 days @ Rs 50 for 25 members 6 days@ Rs 100 for 3 members	9300/-
5	Notepad +pen+ L folders	40 members@ Rs 100	4000/-
6	Flower Bouquets(3)		300/-
7	Miscellaneous		1500/-
8	Participation certificates	50*10	500/-
Total budget required			72,120/-
Registration fee from external participants@Rs 1000/-			Assuming 15 15,000/-
Expenditure to be met by the college			57,120/-

Thanking you

Dr B V Swathi

Professor & HOD – CSE

(FDP Convener)

PRINCIPAL
Geethanjali College of Engineering and Technology
(Autonomous)
(CSE Dept), Medical Dist. (T.S.) - 501 301

C.Esther Varma, J Uma Mahesh
(FDP Coordinators)

To.

The Administrative Officer,
G.C.E.T.,
Cheriyal (V),

Date - 09-02-2019

Through proper channel
sub - Remuneration for the Resource persons - Reg

Respected sir,

The Dept of C.S.E is conducting 1 week Faculty Development programme on "Data Analytics & Machine Learning using Python, R programming, Tableau and SPSS" from 11-2-19 to 16-2-19. With regards to this, we request you to kindly sanction the remuneration for the following resource persons.

Dates	Name of the resource person	Amount per day	Account Details
11, 12th Feb 2019	C. Yurkesh	8,000/-	Cash 12/2/19
13, 14th Feb 2019	Deepika Jagadeesh	10,000/-	Cheque 14/2/19
15, 16th Feb 2019	P. Mohan	8,000/-	Name: Deepika Acc No: 34958309552 SBI, Banjara Hills Cheque Name - P. Mohan Acc no: 102910100065536 Andhra Bank IFSC: ANDB0002464 Branch: Surja Road

-10
A/c

Thanking you;

Yours faithfully,

9/02/19

Principal
Geetha College of Engineering and Technology
(Autonomous)
Cheriyal (V), Kolleru (M), Machilipatnam Dist. (T.S.) - 501 301

G. Uma Maheswari
CSE Dept.
C. Esther Varma
CSE Dept.

To,
The H.O.D.,
Prestham Engineering Dpt.,
G.C.E.T.,
Chennai,

Respected Madam,

Sub: Request for using ELCS-Lab (Block-1) - Reg.

The Department of C.S.E is conducting one week faculty development programme on "Data Analytics & Machine Learning using Python, R programming, Tableau and SPSS". With regard to this, we request you to kindly permit to use AELCS Lab (Block 1) for our Inaugural function on Dt: 11-2-2019. from (9:00 to 11:00am)

Thanking You,

Yours faithfully
Dr. Latha Subramini

9/2/19

9/2/19

Yours faithfully

J. Anna

J. Anna Mahes
CSE

PRINCIPAL
Geetharaj College of Engineering and Technology
(Autonomous)
Chennai (V), Kanchi (H), Madurai Dist. (T.S.) - 601 301

Faculty Development Program on
"Data Analytics & Machine Learning Using Python, R Programming, Tableau and SPSS"
11th -16th February, 2019

Organized by department of **COMPUTER SCIENCE ENGINEERING**

DAY WISE ATTENDANCE SHEET

S.No	Name of the participants	Organization	11 th FEB 2019		12 th FEB 2019		13 th FEB 2019		14 th FEB 2019		15 th FEB 2019		16 th FEB 2019	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	Dr. Somashekar	CSE,GCET	GM	GM										
2	A. Srilaxmi	CSE,GCET												
3	M. Ashwini	CSE,GCET	Abh	Abh	Abh	Abh	Abh	Abh	-	-				
4	M. Srinivas	CSE,GCET	Srip	Srip	Srip	Srip	Srip	Srip	-	-				
5	D. Venkateshwarlu	CSE,GCET	Dr	Dr	Dr	Dr	Dr	Dr	Dr	Dr	Dr	Dr	Dr	Dr
6	Mr.Hari Prasad	CSE,GCET	H	H	H	H	H	H	H	H	H	H	H	H
7	P Haritha	CSE,GCET	Haritha	Haritha	Haritha	Haritha	Haritha	Haritha	Haritha	Haritha	Haritha	Haritha	Haritha	Haritha
8	Preeti Prasada	CSE,GCET	P Preeti	P Preeti	P Preeti	P Preeti	P Preeti	P Preeti	P Preeti	P Preeti	P Preeti	P Preeti	P Preeti	P Preeti
9	Radhika Amareshwari	CSE,GCET	Radhika	Radhika	Radhika	Radhika	Radhika	Radhika	Radhika	Radhika	Radhika	Radhika	Radhika	Radhika
10	Y Swathi Tejah	CSE,GCET	2	2	2	2	2	2	2	2	2	2	2	2
11	J Uma Mahesh	CSE,GCET	J Uma	J Uma	J Uma	J Uma	J Uma	J Uma	J Uma	J Uma	J Uma	J Uma	J Uma	J Uma
12	Y V N Phani Kishore	CSE,GCET												
13	K Anusha	CSE,GCET												
14	M. Bhavana Ksora	CSE,GCET	M Bhavana	M Bhavana	M Bhavana	M Bhavana	M Bhavana	M Bhavana	M Bhavana	M Bhavana	M Bhavana	M Bhavana	M Bhavana	M Bhavana
15	C Esther Venna	CSE,GCET	Esther	Esther	Esther	Esther	Esther	Esther	Esther	Esther	Esther	Esther	Esther	Esther
16	Sharika	CSE,GCET	Sharika	Sharika	Sharika	Sharika	Sharika	Sharika	Sharika	Sharika	Sharika	Sharika	Sharika	Sharika
17	T. Swathi	CSE,GCET(M-Tea)	T Swathi	T Swathi	T Swathi	T Swathi	T Swathi	T Swathi	T Swathi	T Swathi	T Swathi	T Swathi	T Swathi	T Swathi
18	B Neeraja	CSE,GCET(M-Tab)	B Neeraja	B Neeraja	B Neeraja	B Neeraja	B Neeraja	B Neeraja	B Neeraja	B Neeraja	B Neeraja	B Neeraja	B Neeraja	B Neeraja
19	K. Vaghdevi	CSE,GCET(M-Self)	K Vag	K Vag	K Vag	K Vag	K Vag	K Vag	K Vag	K Vag	K Vag	K Vag	K Vag	K Vag
20		CSE,GCET												

Geethanjali College of Engineering and Technology
Cheerayal(V), Keesara(M), Medchal (D)

	Name of the participants	Organization	11 th FEB 2019		12 th FEB 2019		13 th FEB 2019		14 th FEB 2019		15 th FEB 2019		16 th FEB 2019	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
21	Dr. Raja S. Prasad	CMRIT	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
22	Longthang Anurba Kumbhakar	VEL Tech.	Longthang Anurba Kumbhakar											
23	S.H.D. Murali	MRHS	SHD Murali											
24	Dr. R. Aravindan	GPTEC	Dr. R. Aravindan											
25	V. Manoj Kumar	MRHS	Manoj Kumar											
26	B. Venkateswara Narayana	MRHS	B. Venkateswara Narayana											
27	J. Phani Kumar	VCE	J. Phani Kumar											
28	J. Meenakshisubramanian	GCET	J. Meenakshisubramanian											
29	H. Prasad	GCET	H. Prasad											
30	P. V. Prasad	GCET	P. V. Prasad											
31	G. Namratha	GCET	G. Namratha											
32	G. Niveditha	GCET	G. Niveditha											
33	K. Narayana	GCET	K. Narayana											
34	P. Ramanjaneyan	GCET	P. Ramanjaneyan											
35	V. Kousalya	GCET	V. Kousalya											
36	N. Ravinder	GCET	N. Ravinder											
37	K. Praveen	GCET	K. Praveen											
38														
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43														
44														

Dr. Raja S. Prasad
Longthang Anurba Kumbhakar
S.H.D. Murali
Dr. R. Aravindan
V. Manoj Kumar
B. Venkateswara Narayana
J. Phani Kumar
J. Meenakshisubramanian
H. Prasad
P. V. Prasad
G. Namratha
G. Niveditha
K. Narayana
P. Ramanjaneyan
V. Kousalya
N. Ravinder
K. Praveen

Dr. Raja S. Prasad
Longthang Anurba Kumbhakar
S.H.D. Murali
Dr. R. Aravindan
V. Manoj Kumar
B. Venkateswara Narayana
J. Phani Kumar
J. Meenakshisubramanian
H. Prasad
P. V. Prasad
G. Namratha
G. Niveditha
K. Narayana
P. Ramanjaneyan
V. Kousalya
N. Ravinder
K. Praveen

A Report on

FDP on Data Analytics & machine Learning using Python, R, Tableau and SPSS

Objective: Understand various statistical analysis tools for machine learning and data analytics

Outcome: faculty worked on various open source analytical tools available for machine learning.

Geethanjali College of Engineering and Technology has conducted a one week Faculty development program on **Data Analytics & machine Learning using Python,R, Tableau and SPSS** in association with CSI Student chapter.

After much discussion and deliberation within the faculty of CSE to recognize the recent advances in technology and its outreach for pursuing research and guiding the students to do project based learning, the faculty have come up with the need of organizing a one week faculty development program on the recent advances in computer science and information technology areas.

The FDP was inaugurated by Dr. Udaya Kumar Susarla, Principal, Dr. B.V. Swathi, Head, Department of Computer Science and Engineering, Mr.P. Mohan,Sr Data Scientist, Tech Mahindra


The keynote speech by Dr Udaya Kumar Susarla has highlighted the concerns about the raising technological changes and the need for the faculty to adapt to these changes, he also advised all the faculty to take part and participate actively in the FDP..

The following were the resource persons and their topics:

1. Mr.C. Yuktesh – Python and its uses in machine Learning
2. Ms. Deepika Jagadeesh – R programming and Tableau
3. Mr. P. Mohan – SPSS

Around 20 faculty has participated actively in the one week session and has also worked on few projects given by the experts.

The workshop concluded with a vote of thanks by Mr. J. Uma Mahesh, Dept of CSE.


Principal
Geethanjali College of Engineering and Technology
(Autonomous)
Mandavalli (V), Keerthi (M), Medchal Dist. (T.S.) - 501 301

GW

Workshop on Data Analytics and Machine Learning





Geethanjali College of Engineering and Technology


(Approved by AICTE, New Delhi and Affiliated to JNTU, Hyderabad)
By No. 338/34, Cheeryal (V), Keesara (M), Medchal District, (A.P.)-501301

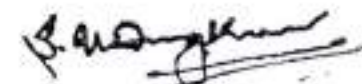
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Certificate of Participation

This is to certify that Dr. Prof./Mr./Ms. G. Soma Sekhar
of GCET has participated in a One Week FDP on "Data Analytics and
Machine Learning using Python, R Programming, Tableau, SPSS", organized by department of
Computer Science and Engineering from 11th to 16th February 2019. In association with CSI,
ISTE, IEEE




Dr. D. S. R. Murthy
Head - CSE


Dr. Udaya Kumar Susarla
Principal

4th May 2019

From,

Dr.M.ArunaBharathi & Dr.B.Madhuri

Department of EEE, Geethanjali college of Engineering and Technology

To,

Dr.S.Uday Kumar Susarla, Principal

Geethanjali College of Engineering

Sub: Request to sanction additional budget to conduct FDP from (6-11)th May 2019 -reg.

Dear Sir,

Our FDP titled "Microgrids & BESS" got approval from IEEE-PES Hyderabad section. The number of speakers presently are thirteen (13) (proposed was 6). Hence we request you to sanction the additional honorarium amount of Rs.35000 towards the same. We also request you to grant an amount of Rs.1500 towards miscellaneous expenses.

We request you kindly sanction a sum of Rs 36,500 for this FDP. Thank you for your encouragement and support.

Thanking you,

Yours sincerely,

M. Aruna Bharathi

Madhuri B

(Dr.M.ArunaBharathi & Dr.B.Madhuri)

As the number of speakers were increased, kindly approve the additional budget allotted for honorarium

D. Rathi
4/5/19.

Submitted to Secretary for approval.
Suk
04/05/19

PRINCIPAL
Geethanjali College of Engineering and Technology
(Autonomous)
Chennai (M), Keesara (M), Madhav Dist (T.S.) - 601 301

Secretary

Geethanjali College of Engineering and Technology, Chittoor (Autonomous)

FDP on "Microgrids and Battery Energy Storage System" (6 to 11 May 2019)

Organized by Department of Electrical and Electronics Engineering in association with IEEE - PES/IAS/PELS-JLChapter/Hyderabad Section

Name	Designation	Department & Organisation	IEEE member? YES /NO Membership No.	Membership category	Money paid (YES /NO)	Transaction ID	Mobile No.	Email ID	Sign.
Kranthi Kumar Vanukuru	Assistant professor	Electrical & Eletronics Engineering	YES	Faculty	YES	IMPS00084390814	9701088450	vanukuru.kranthi@gmail.com	
P. Varun Krishna	Research Scholar	Electrical & Eletronics Engineering,OU	NO	Research Scholar	YES	IMPS/P2A/912119348064	90306645790	varunee4@gmail.com	
V.Krupa Rani	Associate Professor	Electrical & Electronics Engineering,CMR Engg.	NO	Faculty	YES	N120190811764484	8106416470	krupasree@cmrcet.org	
M.Vijaya Shanthi	Associate Professor	Electrical & Electronics Engineering,CMRCET	NO	Faculty	YES	N120190811755248	7702159946	reenareeva@gmail.com	
P.V.S.S.A Parimala	Assistant professor	Electrical & Electronics Engineering,G.Narayanamma Inst.Of Science	NO	Faculty	YES	2.01905E+15	8691801383	parthi.parimala@gmail.com	

Principal (Autonomous)
Geethanjali College of Engineering and Technology
Chittoor (V), Nellore (M), Madurai (Dist. T.S.) - 605 009

PRINCIPAL

Geethanjali College of Engineering and Technology

FDP on "Microgrids and Battery Energy Storage System" (6 to 11 May 2019)

Organized by Department of Electrical and Electronics Engineering in association with IEEE - PES/IAS/PELS-Jt.Chapter/Hyderabad Section

Name	Designation	Department & Organisation	IEEE member? YES /NO Membership No.	Membership category	Money paid (YES /NO)	Transaction ID	Mobile No.	Email	Sign.
2. POORNA HANDER RAO	ASST. Prof.	EEE, GCET	NO	-	NO		9533943555	sitabtecho7@gmail.com	
1. Nagaraja	Asst. prof	EEE, GCET	NO	-	NO		900092940	rahul0013@gmail.com	
E. Himabindu	ASST. prof	EEE, GCET	YES	WILL	NO		970288033	himabindu.annamalai@gmail.com	
1. Sathya	Asst. Prof.	EEE GCET	YES	-	-	Cash paid Rs 500	8008284346	valupadacu.5@gmail.com	
3. Soujanya Arora	Asst. Prof	EEE GCET	NO	-	-		6309513218	Soujanya.77@gmail.com	
4. Geeta Bala	Asst. Prof	GCET	NO	-	-		9619527700	m.geetabala@gmail.com	
1. Prashanth	Asst Prof	GCET	NO	-	-		8743553526	masadprashanth@gmail.com	
1. Padmaja	Asst Prof	EEE GCET	NO	-	-		9885135480	padmaja.volati08@gmail.com	
1. Poojarani	Asst Prof	EEE GCET	YES NO	-	-		7416684988	poojarani@gmail.com	
1. Rakesh	Asst. prof	EEE GCET	NO	NO	Yes	Cash paid Rs 500	9905285967	vittan.vairav@gmail.com	

**One Week
Faculty Development Program
on
"Microgrids and Battery Energy Storage
System"**

Registration Form

Name:
Designation:
Organization:
Professional Experience:
Address for Communication:
Mobile:
E-mail:

Payment Details:

Transaction number:

Declaration

The information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the FDP.

Place:

Date: Signature of the Applicant

Sponsorship:

Mr./Ms./Dr. is an employee of our institution and is hereby sponsored for attending the above FDP.

Place:

Date: Signature of the Principal

Note: Registration form along with a scanned copy of online transaction details can be sent to bayya.madhuri@gmail.com

ORGANIZING COMMITTEE

Chief Patron

Mr. G. R. Ravinder Reddy, Secretary
Patron

Dr. S. Udaya Kumar, Principal

Convener

Dr. P. V. Rajgopal, GM (Retd.) BHEL, Corporate R
Chair/ IEEE-PES-Jt. Chapter, Hyd.

Dr. Radhika Dora, HoD-EEE

Coordinators

Dr. M. Aruna Bharathi, Professor, EEE

Dr. Madhuri Bayya, Assoc. Prof. EEE

Advisory Committee

Ms. S. Sasirekha, NED Energy Ltd.

Dr. G. Sreelakshmi, CVR, Hyd.

Ms. E. Sreeshobha, OU, Hyd.

Mr. D. Krishna, CVSR-Anurag, Hyd.

Dr. R. S. Raju, Dean R & D

Dr. P. Anil Kumar, Professor

Dr. Harish Pulluri, Assoc. Prof.

Mr. N. V. Bharadwaj, Assoc. Head

Mr. G. Srikanth, Assoc. Prof.

Mr. K. Mahendar, Assoc. Prof.

Organizing Committee

Ms. V. Padmaja, Asst. Prof.

Ms. Azra Zaineb, Asst. Prof.

Ms. Manjul Khare, Asst. Prof.

Ms. E. Hima Bindu, Asst. Prof.

Mr. S. Poornachander Rao, Asst. Prof.

Ms. Pooja Rani Thakur, Asst. Prof.

Mr. V. Rakesh, Asst. Prof.

Mr. M. Pradeep, Asst. Prof.

Local Hospitality

Mr. K. Nagaraju, Asst. Prof.

Mr. M. Gouse Basha, Asst. Prof.

Mr. M. Prashanth Kumar, Asst. Prof.

Ms. B. Soujanya, Asst. Prof.

Ms. V. Sathya, Asst. Prof.

Contact Info:

Mr. S. Poornachander Rao & Mr. V. Rakesh

Geethanjali College of Engineering and Technology

Cheeryal (V), Medchal (Dist.), Telangana - 501301

9533943555, 9705285757



**One Week
Faculty Development Program
on
"Microgrids and Battery Energy Storage
System"**

6th May 2019 to 11th May 2019

**Organized by
Department
of**

**Electrical and Electronics Engineering
in association with
IEEE-PES/IAS/PELS-Jt. Chapter/
Hyderabad Section**

**GEETHANJALI COLLEGE OF ENGINEERING
& TECHNOLOGY**

(Accredited by NBA and UGC Autonomous
Cheeryal (V), Keesara (M), Medchal (Dist.)

Pin: 501301, Tel No. : +91-9182058181

Visit us: www.geethanjaliinstitutions.com

Email id: info@gcet.edu.in

**PDP: Report on "Micro-Grids & Battery Energy Storage Systems",
by PES/IAS/PELS Jt Chapter in Association with Geethanjali College of
Engg. & Technology, Hyderabad.**

Brief Details about this Program:

IEEE--PES/IAS/PELS Jt. Chapter, IEEE-Hyderabad Section, is organized this Professional Development Program (PDP) in Association with Geethanjali College of Engg. & Technology, (GCET), Cheeryal, Hyderabad. We invited Industry Professionals, Young Professionals / Faculty in Academic Institutions and Research Scholars.

This PDP is designed to be beneficial to practicing engineers from industry/ consultants/ faculty from engineering colleges/ research scholars who are working/ interested in the area of Power systems, Power Electronics Micro-Grids and Battery Energy Storage Systems. This PDP created opportunities to research, better teaching and introduction of new courses in this field.

Conveners:

- 1-1) Dr.P.V.Rajgopal, Chair IEEE PES /IAS/PELS Jt Chapter , Hyderabad
- 1-2) Dr.D.Radhika, HoD-EEE Dept. Geethanjali College of Engineering and Technology.

Program Coordinators:

- 1-1) Dr. B.Madhuri, Associate Professor, EEE Dept. Geethanjali College of Engineering and Technology. / Mobile: 9010020113/ 9652009756/ Email: bayya.madhuri@gmail.com
- 1-2) Dr.M.Aruna Bharathi, Professor, EEE Dept. Geethanjali College of Engineering and Technology/ Phone: 9908325596/ Email ID: arunabharathi916@gmail.com

Abstract of the above PDP:

The modern power systems are changing fast with large scale deployment of Renewable Energy Sources (RES) based power plants using Solar PV and Wind Power. This is resulting in Micro grids which operate as standalone type feeding a group of local loads and another type which are also connected to a large utility grid in addition to feeding the local loads. Battery based Energy Storage Systems (BESS) in combination with Bi-Directional Convertor are being used to mitigate the limitations of discontinuous energy supply form RES. All these are creating new challenges and opportunities in developing new technologies and operation of the Power systems at various levels.

Many industry and academic institutions are extensively working to solve various issues

products are already commercially deployed and are working energy efficiently giving reliable operation. Today, both AC or DC type Micro-grids are in operation and also under further development.

This PDP is designed to focus on creating know-how/ know-why on various aspects of micro grids including issues related to their topology/ interconnection/ grid integration, battery energy storage systems/ Bi-Directional Convertor technologies, local generation and power flow control.

Major Topics that were covered in the above Program are as follows:

The focused topics:

- Micro grids/ Battery Energy Storage System (BESS)/ Bi-Directional converters.
- Various Issues related to System Design/ System Integration/ Grid Integration/ Sub-systems design, selection and sizing.
- Overview of energy management and control in Micro-Grids
- Introduction to DC Micro-Grids
- Instrumentation in Micro-Grids
- Battery Management Systems (BMS) and
- Battery Testing
- Hands-on/ Demo for interconnection for Micro-Grids
- Industry/ Field visit to M/s NED Energy Limited , at Hyderabad

Resource persons:

Eminent personalities with high expertise/ large experience in related fields from industry and prestigious academic institutions IIT Hyderabad, NIT Warangal, BITS Hyderabad, Osmania University, JNTU Hyderabad, Scientists and technical Resource persons from public sectors BHEL & IICT and private industries, such as NED energy ltd, Amaraja batteries ltd and Analogics, pvt ltd delivered the Lectures.

Agenda / Program Schedule :

- 1) Inauguration Session : 6-May-2019/ Monday/ 10.30 AM to 11.30 AM / 1 Hr/
- 2) Lectures by the Distinguished Speakers as per the Program Schedule : 6 days /

From: 6-May-2019/ 11.30 AM

PRINCIPAL
Gandhinagar College of Engineering and Technology
(Autonomous)
Vengal Rao Nagar (V), Keesara (B), Medchal Dist. (T.S.) - 501 201

3) Valedictory Session : 11-May-2019/ Saturday/ 2.15 PM to 3 PM/ 45 Minutes

Summary:

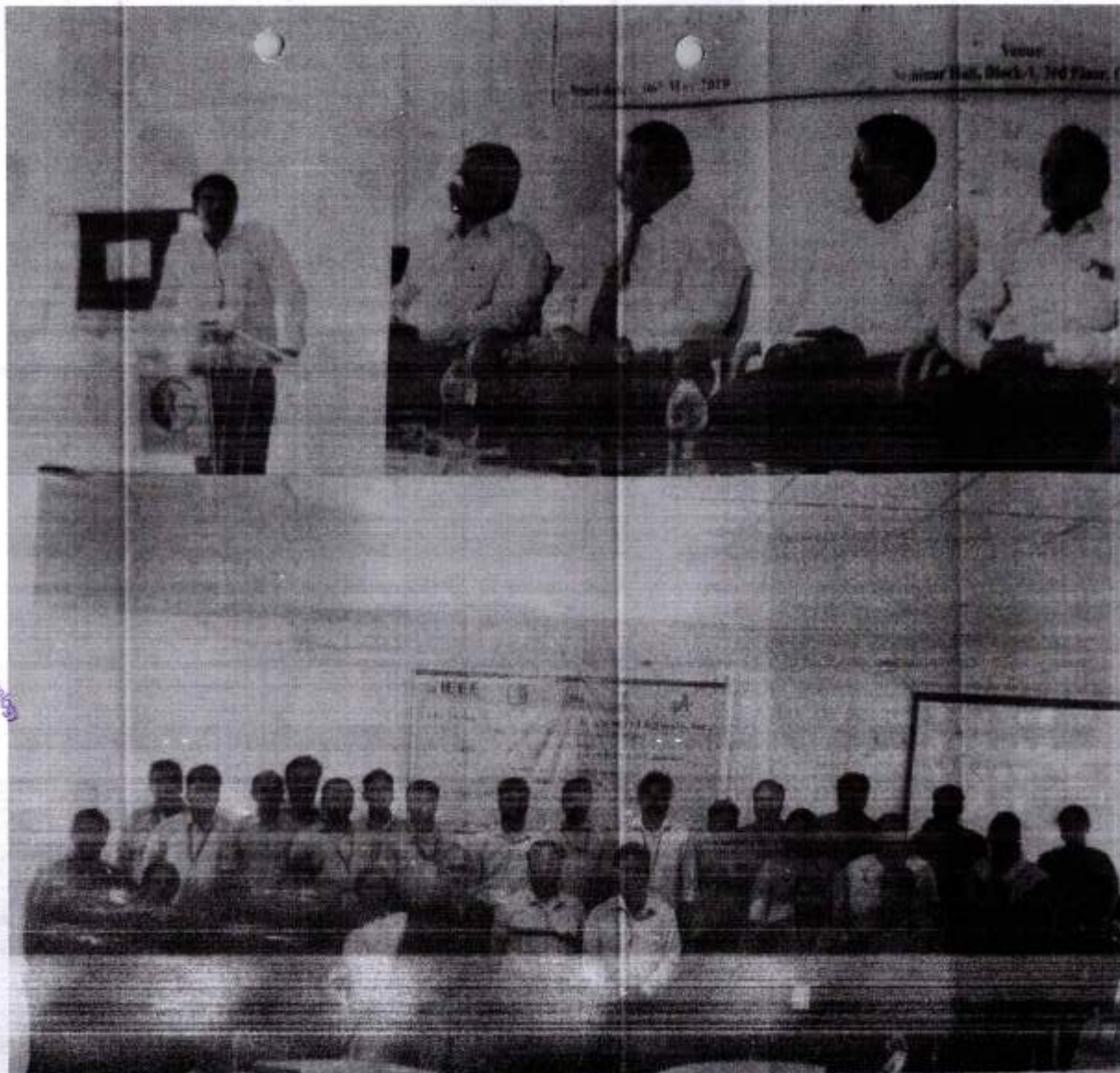
The resource persons for this PDP are from both academia and industry. From academic inst, the eminent resource persons from IIT Hyderabad, NIT Warangal, BITS Hyderabad, Osmania University, JNTUHyderabad, Gudutai Engineering College for women Gulbarga, KLdeemed to be University & Geethanjali College of Engg & Technology delivered their lecture relevant to our title, covering overview of micro grid and BESS, MICROGRID Control, Power Electronics in microgrids, Power Quality issues in microgrid, microgrids-instrumentation and microgrids- protection. Scientists and technical Resource persons from public sectors BHEL & IICT and pvt industries, such as NED ENERGY, AMARAJA Batteries & ANALOGICS-India pvt-ltd delivered talks on Energy storage, Battery monitoring-BMS management, battery testing and advanced materials for batteries, Battery disposals, & Inverter design. As a part of this PDP we visited NED energy & obtained practical exposure of battery fabrication & management.

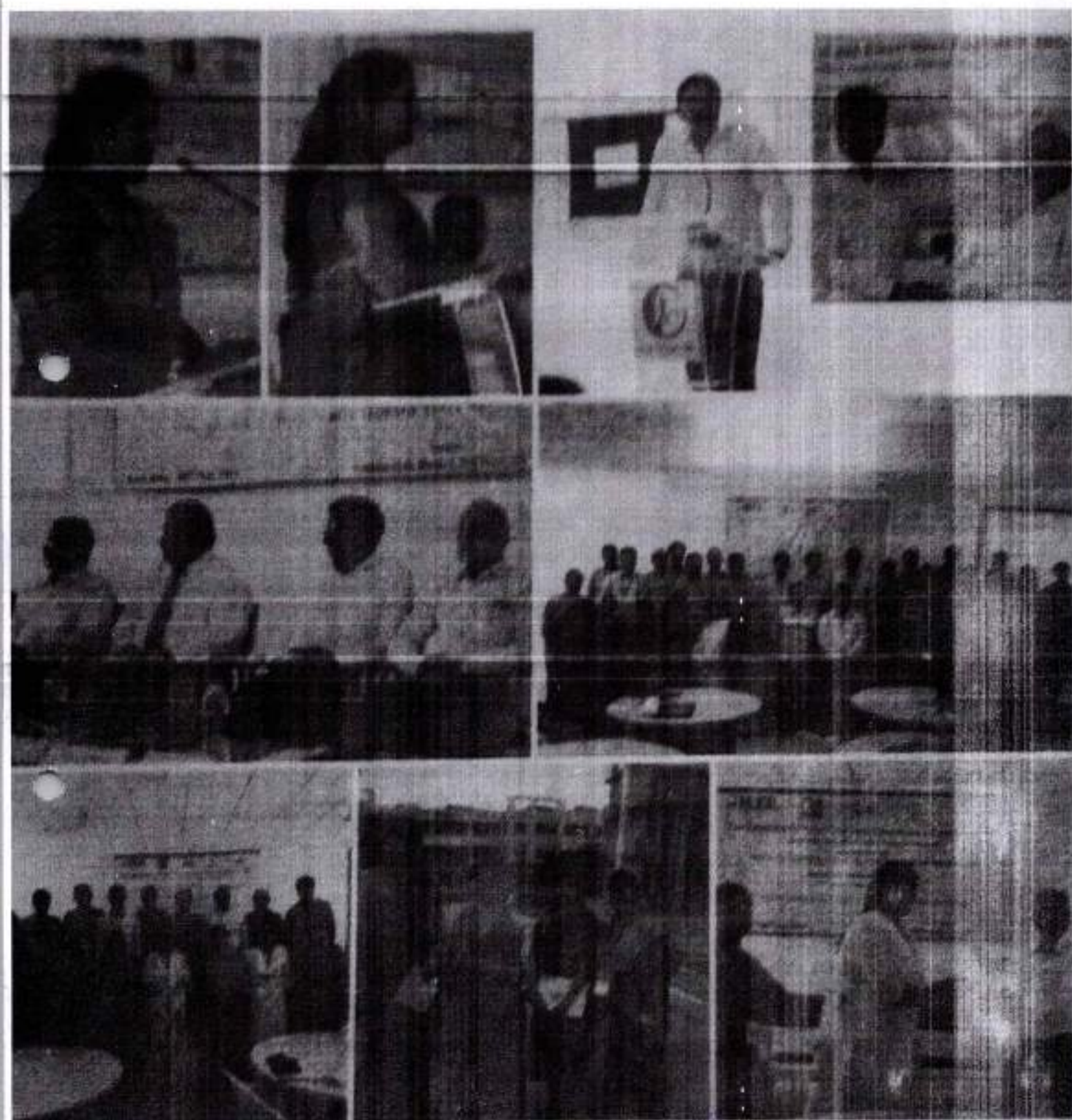
Forty participants are attended for this PDP and out of forty members, eight are IEEE members. Participants (faculty and research scholars) are from academic institutions such as Osmania university, JNTUH, CMRCET, CVSR-Anurag, Methodist, TKR, Holy Mary Institute of Technology, XX Kurnool and GCET & industry professionals are from NED-Energy ltd and Hyderabad Batteries Limited.

As from the summary of feedback taken from participants, in this PDP almost all the sessions were very interesting and helped in acquiring knowledge in Microgrids & BESS for real time applications with crystal clear explanation. This PDP opened an avenue for finding research opportunities in microgrids and BESS.

Gallery:

Geethanjali College of Engineering and Technology
Chavelpet (M), Raichur (KA), Medical Dist. (KA) - 577 301
PRINCIPAL
V. Srinivas Reddy






PRINCIPAL
 Cochin College of Engineering and Technology
 (Autonomous)
 Changanassery (V), Kollam Dist., Kerala (India) - 691 001



Professional Development Program (PDP) / Faculty Development Program (FDP)

Geethanjali College of Engineering & Technology, Cheeryal (GCET), Hyderabad

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms./Dr.

E. HIMA BINDU, GCET

participated in the 6-day Professional Development Program(PDP)/ Faculty Development Program (FDP) on "Microgrids & Battery Energy Storage Systems" from 6th to 11th May 2019 organized by the Department of Electrical & Electronics Engineering in association with IEEE-PES/IAS/PELS Joint Chapter, Hyderabad section.

S. Udaya Kumar
Principal

Dr. P.V. Rajgopal
Chair

IEEE-PES/IAS/PELS Jt. Chapter,
Hyderabad Section

Dr. Radhika Dora
Head of the Department

Dr. Madhuri Bayya / Dr. M.Aruna Bharathi
Program Coordinators




Professional Development Program (PDP) / Faculty Development Program (FDP)
Geethanjali College of Engineering & Technology (GCET), Cheeryal, Hyderabad

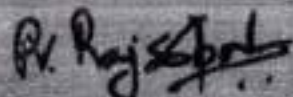
CERTIFICATE OF APPRECIATION

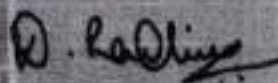
This certificate is presented to

K. V. NIKSHITH

his/her contributions as volunteer in the 6-day Professional Development Program(PDP)/ Faculty Development Program (FDP) on "Microgrids & Battery Energy Storage Systems" from 6th to 11th May 2019 organized by the Department of Electrical and Electronics Engineering in association with IEEE-PES/IAS/PELS Jt. Chapter, Hyderabad.


S. Udaya Kumar
Principal


Dr. P. V. Rajgopal
Chair
IEEE-PES/IAS/PELS Jt. Chapter,
Hyderabad Section


Dr. Radhika Dora
Head of the Department


Dr. Madhuri Bayya / Dr. M. Aruna Bharathi
Program Coordinators

2018-19

GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY
Cheeryal (V), Keesara (M), Medchal Dist. - 501301

No. GCET/200/ 2018-19

02.05.2019

OFFICE OF THE PRINCIPAL

CIRCULAR

FDP is arranged for Mechanical Engineering faculty as per the following details.

Date : 07.05.2019 to 11.05.2019
Time : 9.00 am to 3.30 pm
Venue : Seminar Hall, Block - III
Topic : "Exploration of Mechanical Engineering and Industrial Applications"
Resource Person : Dr.Roy Johnson, Scientist-G and Associate Director, ARCI, Hyd.
Dr.P.Ravinder Reddy, Principal, CBIT, Hyd.
Dr.Srinivasa Prakash Regalla, Professor, BITS Pilani, Hyderabad.
Dr.B.Venkatesham, Asst.Prof., IITH, Hyderabad.
Dr.K.V.Sharma, JNTUH, Hyderabad
Ms.G.Kavitha Reddy, Consultant, Supply chain Management, Hyd
Coordinators : Dr.S.Shyam Kumar, Professor, ME Dept.
Dr. Subhash Kamal, Professor, ME Dept.
Dr.S.Sapthagiri, Professor, ME Dept.

PRINCIPAL

To: Deans / HODs
AO/Website Coordinator

To be removed from notice boards after 11.05.2019

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Geethanjali College of Engineering and Technology
(Autonomous)
Cheeryal (V), Keesara (M), Medchal Dist. (T.S.) - 501301

**One Week
Faculty Development Program
on
"Exploration of
Mechanical Engineering
and Industrial Applications"
May 7th – May 11th, 2019
Registration Form**

Name: _____

Designation: _____

Sex: _____

Organization: _____

Address for _____

Correspondence: _____

Phone (O): _____

E-Mail: _____

Experience (Years): _____

Research Interests: _____

Whether Institute is AICTE Recognized: Yes/No _____

Accommodation required: Yes/No _____

Payment Details: _____

Draft No. _____ Date: _____

Amount: Rs. _____ Drawn on _____

Applicant's Signature _____

REGISTRATION FEE

The Registration fee for Faculty/Scholars from AICTE approved institutions/colleges will be Rs. 300/- (Non Refundable, which includes Tea, Snacks and Lunch). (Payment by Demand draft/Cash in favour of Geethanjali College of Engineering & Technology, Cheeryal (V), Medchal Dist. Payable at the SBH, Cheeryal)

IMPORTANT DATES

Last date for receipt of application: May 5th, 2019
(Spot Registration also accepted)

Intimation to selected candidates: May 6th, 2019
FDP Dates: May 7 – 11, 2019

HOW TO APPLY

Applications in the prescribed format attached herewith duly recommended/sponsored by the head of the institution or organization along with the registration fee is submitted to the coordinator.

ADDRESS FOR CORRESPONDENCE

**Dr. S. Shyam Kumar
Dr. Subhash Kamal
Dr. S Sathagiri**

**DEPARTMENT OF MECHANICAL ENGINEERING
Geethanjali College of Engg. & Tech.,
(Autonomous)**

Affiliated to JNTUH, Accredited by NBA (AICTE),
Cheeryal (V), Keesara (M), Medchal Dist. 501301



Email: sskumarhyd@gmail.com,
subhashkamal@gmail.com,
sathagiri_sura@yahoo.com

Mobile: 9996016889, 9948176918, 8499075586

**One Week
Faculty Development Program -
on**

**"Exploration of
Mechanical Engineering
and Industrial Applications"
May 7th – May 11th, 2019**

COORDINATORS

**Dr. S. Shyam Kumar
Dr. Subhash Kamal
Dr. S Sathagiri**



Striving Towards Perfection

Venue :

**Seminar Hall (Block-3)
Department of Mechanical Engg.,
Geethanjali College of Engg. & Tech.,
(Autonomous)**



Organized by

**Department of Mechanical Engineering
Geethanjali College of Engg. & Tech.,
(Autonomous)**

Affiliated to JNTUH, Accredited by NBA (AICTE),
Cheeryal (V), Keesara (M), Medchal Dist. 501301

**GEETHANJALI COLLEGE OF
ENGINEERING AND TECHNOLOGY
(GCET) (Autonomous)**

Geethanjali College of Engineering & Technology (Autonomous) has been structured to take head on the changing trends of technology. The idea of setting up the college emerged when no other college could cater to the needs of a student in his/her endeavor to acquire wholesome education. The very strength of Geethanjali lies in its principles of providing the right learning environment for the student who does not have to compromise throughout the learning process of becoming global citizen.

The college recognizes that the rapidly changing technological landscape would require young technocrats with an understanding of evolving technologies, but also with a global perspective. A major goal of Geethanjali is to impart a uniquely broad and interdisciplinary Engineering education of the highest academic quality. This is achieved through an integrated curriculum that consists of a highly diverse set of technical courses, interdisciplinary research projects, day-to-day interaction with industry, and preparation in entrepreneurship and personality development courses.

At Geethanjali learning pushes all boundaries of conventional thought in pursuit of understanding science in relation to the society. Every concept a Geethanjaliite acquires carries the inbuilt awareness of how it can be applied to render human life better.

Over the years since it was established, there has been dynamic progress at Geethanjali in all academic and research activities, and a parallel improvement in facilities and infrastructure, to keep it on par with the best institutions in India. The campus epitomizes the Geethanjali motto, "Striving towards perfection!" in providing the best of infrastructure and ambience. Geethanjali keeps a keen eye on the current trends and innovations happening in the industry and offers

learning methods, which are designed to meet the evolving requirements of the industry.

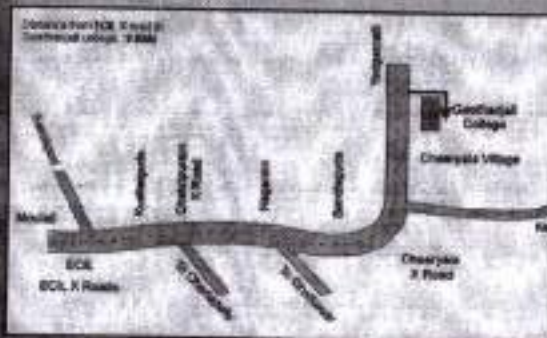
The Department of Mechanical Engineering was established in the year 2011 and currently the department offers an under graduate program B.Tech in Mechanical Engineering with an annual intake of 120 students.

The department is headed by Prof. Dr. T. Siva Prasad having 34 years of experience in Industry and Teaching. There are 5 Professors, 4 Associate Professors and 25 Assistant Professors in the department. The department has 9 Lab Assistants to assist and maintain the labs.

All the faculties are encouraged to participate in Faculty Development Programmes, workshops, publication of research papers and active involvement in R & D activity.

CONTENTS OF FDP

1. Lean manufacturing, Total Quality management, supply chain management.
2. Nano fluids in heat transfer, Renewable energy sources.
3. Additive manufacturing and Rapid Prototyping.
4. Vibrations and acoustics
5. Futuristic approaches in Mechanical engineering softwares.
6. Ceramic composites and smart materials



Resource Persons

1. Ms G Kavitha Reddy, Consultant, Supply chain Management
2. Dr P Ravinder Reddy, Principal, CBIT, Hyderabad
3. Dr. Srinivasa Prakash Regalla, Professor, BITS Pilani, Hyderabad
4. Dr B. Venkatesham, Asst prof, IIT Hyderabad
5. Dr. KV Sharma, JNTUH, Hyderabad
6. Mr N Suresh Kumar, Vasantha Tool Crafts, Hyderabad

CHIEF PATRON

Sri G.R. Ravinder Reddy
Chairman, GCET

PATRON

Dr. S. Udaya Kumar
Principal, GCET

ADVISOR

Dr. T. Siva Prasad,
Head of MED

COORDINATORS

Dr. S. Shyam Kumar
Dr. Subhash Karnal
Dr. S. Sapthagiri

MEMBERS

- | | |
|-----------------------|--------------------------|
| 1. Dr M Devaliah | 5. Mr. M. Ravi kumar |
| 2. Mr. B. Bhaskar | 6. Mr. B.V. Sravan Kumar |
| 3. Ms.V. Sandeepa | 7. Mr. P. Sandeep Kumar |
| 4. Mr. P. Laxmi Reddy | 8. Mr. A. Santhosh |



Shelving Technology Systems

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DEPARTMENT OF MECHANICAL ENGINEERING

Faculty Development Program

This is to certify that Prof./Dr./Mr./Ms.

from _____

_____ has participated in One week faculty development program on “**Exploration of Mechanical Engineering and Industrial applications**”, organized by the Department of Mechanical Engineering of this organization during May 07 – May 11, 2019.

Coordinator

Head, Dept. of Mech. Engg.

Principal

60



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Cheeryal (V), Keesara (M), Medchal (Dist.) - 501301, Telangana State

DEPARTMENT OF MECHANICAL ENGINEERING

Faculty Development Program

This is to certify that Prof./Dr./Mr./Ms. N. S. RAGHAVENDRA

from GLET, Cheeryal

_____ has participated in One week faculty development program on "**Exploration of Mechanical Engineering and Industrial applications**", organized by the Department of Mechanical Engineering of this organization during May 07th – May 11th, 2019.


Coordinator


Head, Dept. of Mech. Engg.


Principal

Submitted to Principal, GCET, Hyderabad

Permission letter
FDP of Exploration of mechanical
Engineering Date: 26.04.2019

Sir,

Sub: Approval for Faculty Development Program (FDP) - Exploration of mechanical engineering and Industrial applications.

Department of mechanical engineering has planned to conduct one week faculty development program on "Exploration of mechanical engineering and industrial applications" during second week of May 2019 (May 7-11, 2019). The contents of the FDP are framed to create awareness among all faculty members of mechanical engineering on:

- Supply chain management
- Lean manufacturing
- Vibrations and acoustics
- Additive manufacturing
- Heat transfer analysis by nano fluids
- A new paradigm in mechanical engineering softwares

Resource persons identified for the program are contacted for their consent. A brief on resource persons and schedule follows as below:

Day	Resource person	Content delivery	
		FN (9:30AM-12:30PM)	AN (1:00PM-3:30PM)
May, 7	Ms G Kavitha Reddy, Freelancer	Lean Manufacturing, TQM	Supply chain Management
May, 8	Dr K V Sharma, Profesor, JNTUH	Nano fluids in heat transfer	Nano fluids in heat transfer contd.,
May, 9	Dr Srinivas Prakash Regella, Professor, BITS Pilani, Hyd	Additive manufacturing	Additive manufacturing contd.,
May, 10	Dr Venkatesham, Asst prof, IITH	Vibrations and Acoustics	Case studies
May, 11	Dr P Ravinder Reddy, Principal, CBIT, Hyd	Existing softwares, CAD/CAM	--
	Dr Roy Johnson, Scientist-G and Associate Director, ARCI	Futuristic approaches-PLM	Ceramic composites and smart materials

Your approval is requested to conduct the FDP as stated. Further, it is expected the following expenditure to incur in the conduct of FDP.

S No	Expenditure head	Amount, Rs
1.	Honorarium to resource persons- five hours topic delivery-@Rs 6,000 x 5 days	30,000
2.	Tea/Biscuits -twice a day - for 40 members X 5 days	2,500
3.	FDP Banners- 2 Nos - 6" x 8"	500
4.	Lunch for resource person + 2 persons, 5 days	1,200
5.	Conveyance to resource persons- College vehicle- Pickup and drop	--
6.	Miscellaneous	800
7.		
TOTAL AMOUNT		35,000

(Total amount in words rupees thirty five thousand only)

Hence, an approval for finance of Rs 35,000/- is requested for the conduct of FDP

Submitted to Secretary
for approval

(Dr. Siva Prasad)
HOD, ME

29/04/19

Secretary



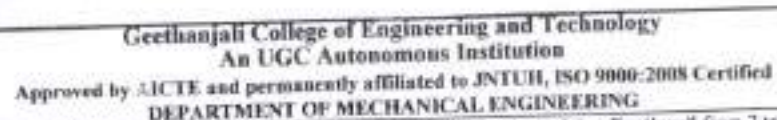
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DEPARTMENT OF MECHANICAL ENGINEERING

ONE WEEK FDP on "Exploration of Mechanical Engineering and Industrial Applications" from 7 to 11, May 2019

DAILY WISE ATTENDANCE SHEET

SNO	FACULTY NAME	DATE:07/05/2019		DATE:08/05/2019		DATE:09/05/2019		DATE:10/05/2019		DATE:11/05/2019	
		(7:30AM-12:30PM)	(1:00PM-3:30PM)	(7:30AM-12:30PM)	(1:00PM-3:30PM)	(7:30AM-12:30PM)	(1:00PM-3:30PM)	(7:30AM-12:30PM)	(1:00PM-3:30PM)	(7:30AM-12:30PM)	(1:00PM-3:30PM)
1	Dr. T. Siva Prasad										
2	Dr. M. Devaiah										
3	Dr. K. Subhash										
4	Dr. S. Sathugiri										
5	Dr. S. Shyam Kumar										
6	K. Jithender Reddy										
7	P. Sudheer Rao										
8	R. Sudarshan										
9	B. Subba Rao										
10	B. Anitha										
11	V. Sundeepa										
12	K. Raju										
13	M. Ravindra Gandhi										
14	V. Rajasekhur										
15	P. Laxmi Reddy										
16	B.V.R. Girish Kumar										
17	N. Rajender										
18	B. Venket Sravan Kumar										
19	C. Srekanth										
20	B. Bhasker										
21	J. Nilain Kumar										
22	K. Niranjan Kumar										
23	N. Suresh										
24	A. Santhosh										
25	B. Srinivas Reddy										
26	K. Venkatesh										
27	R.S. Mahipal Reddy										
28	P. Sandeep Kumar										
29	P. Satyanarayana										
30	M. Ravi Kumar										
31	N.S. Raghavendra										
32	K. Praveen										
33	J. Sumalatha										

Exam duty



DEPARTMENT OF MECHANICAL ENGINEERING

DAILY WISE ATTENDANCE SHEET

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BROCHURE

Title	A Two day Faculty Development Programme On "INNOVATIVE TEACHING-LEARNING METHODS" in collaboration with TLC of IIT Hyderabad	
Dates	8 th - 9 th June 2018	
Chief Patron	Sri. G.R. Ravinder Reddy, Chairman, GCET	
Patron	Dr. Udaya Kumar Susarla, Principal, GCET	
Advisor	Dr. Talla Siva Prasad, Head, Department of Mechanical Engineering	
Coordinators	Dr. Bura Sreenivas	
Co-coordinators	P.Satyanarayana and N V S Raghavendra	
Organizing Committee members	MEMBERS	
	K. Rajashekar Reddy P. Laxmi Reddy M. Ravi Kumar B. Bhaskar	U. Sreekanth B. Srinivas Reddy R. Sravani N. Suresh
Venue	Seminar Hall and CAD/CAM Laboratory, Department of Mechanical Engineering, Geethanjali College of Engineering, & Technology	
Organized by	Department of Mechanical Engineering Geethanjali College of Engineering, & Technology Approved by AICTE, Permanently Affiliated to JNTUH, Accredited by NAAC, NBA and ISO 9000:2008 Certified Cheeryal (V), Keesara (M), R.R. Dist. 501301	
Registration Fee	The Registration fee for Teachers from AICTE approved intuitions/Colleges will be Rs. 500/- (Non Refundable, which includes Tea, Snacks and Lunch). (Payment by Demand draft/Cash in Favour of Geethanjali College of Engineering & Technology, Cheeryal (V), R.R. Dist. Payable at the SBH Cheeryal)	
Important Dates	FDP Dates Last date for receipt of application Initiation to selected candidates	8-9 June 2018 4 June 2018 6 June 2018
	Selection is based on First come first serve. Spot registrations may be accepted depending on the availability of seats	
How To Apply	An application in the prescribed format attached herewith duly recommended/sponsored by the head of the institution/organization along with the registration fee is to be submitted to the coordinator.	

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Address For Correspondence	<p align="center">FDP Coordinator Department of Mechanical Engineering Geethanjali College of Engineering, & Technology Approved by AICTE, Permanently Affiliated to JNTUH, Accredited by NAAC, NBA and ISO 9000:2008 Certified Cheeryal (V), Keesara (M), R.R. Dist. 501301 Email: mefdp_gcet@gmail.com Mobile: 8919670964</p>
About the Course	<p>Pedagogy is the way that content is delivered, including the use of various methodologies that help different students to engage with educational content and learn more effectively, recognizing that individuals learn in different ways.</p> <p>Good methodologies are available for improving pedagogy; however, they have been rarely applied in a systematic way. In this course some of the methods that will help in enhancing current generation engineering students learning capabilities will be presented to enable the teachers to disseminate the content in more effective manner with ease.</p>
Objectives	<ol style="list-style-type: none"> 1. To introduce pedagogical tools to the faculty members of Engineering education for the effective teaching in the class room 2. To discuss about tools that help in making the students to learn more effectively within the class room
Contents of FDP	<ol style="list-style-type: none"> 1. Concept maps 2. Project based learning 3. Peer instruction and its implementation 4. Learning through smart books
Outcomes	<ol style="list-style-type: none"> 1. Participants will be able to design their course material in very precise and simple forms to create interest in the students 2. Participants will be able to present their course content to give synthetic perspective to the students using the methods learnt. 3. Participants will be able to increase the active participation of students 4. Participants will be able to promote Group based interactive learning among students
Resource Persons	<ol style="list-style-type: none"> 1. Dr. Ranjith Ramadurai, IITH 2. Dr. T. Siva Prasad, GCET 3. Dr. Bura Sreenivas, GCET 4. Mr. Vargese, Development Manager, Tata McGraw Hill
About GCET	<p>Geethanjali College of Engineering & Technology has been structured to take head on the changing trends of technology. The idea of setting up the college emerged when no other college could cater to the needs of a student in his/her endeavor to acquire wholesome education. The very strength of Geethanjali lies in its principles of providing the right learning environment for the student who does not have to compromise throughout the learning process of becoming global citizen.</p> <p>The college recognizes that the rapidly changing technological landscape would</p>


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DEPARTMENT OF MECHANICAL ENGINEERING

To
The Principal,
Geethanjali College of Engineering & Technology,
Cheerla,
Hyderabad.

Date: 04/06/2018

Respected Sir,

Sub: Request to Issue the circular for Faculty development program-reg.

Title: A Three day FDP on "Innovative Teaching Learning Methods"

Dates: 21-23 June 2018

Name of the Resource Persons:

1. Dr. Ch.Viswanath, Professor, IIT Hyderabad
2. Dr. S. Udaya Kumar, Principal, GCET, Hyderabad.
3. Dr. T. Siva Prasad, HOD(ME), GCET, Hyderabad.
4. Dr. B.Sreenivas, Professor, GCET, Hyderabad.
5. Mr. Varghese Chandy, Digital Consultant, McGraw Hill Education India Ltd., Hyd.

Target Group: Faculty members / Research scholars from AICTE approved Institutions / Colleges of all departments.

Inaugural Time & Date: 21 June, 2018, 10.00 AM


Dr. Bura Sreenivas
FDP Coordinator


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Dr. Talla Siva Prasad
HOD



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DEPARTMENT OF MECHANICAL ENGINEERING

To
The Principal,
Geethanjali College of Engineering and Technology,
Hyderabad-501301

Date: 26/04/2018

Through Proper Channel

Sub: Permission to conduct two days FDP on Teaching-Learning Methods- Reg.

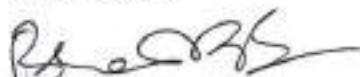
Respected Sir,

I would like to take the opportunity to share some of the innovative teaching learning methods that were practiced in my class room and also one of the active learning tools, learnt in our FDP course at IITH on Teaching-Learning Methods during this semester.

Course Contents:


1. Concept Maps
2. Project based Learning
3. Peer Instruction and its implementation
4. Learning through Smart books

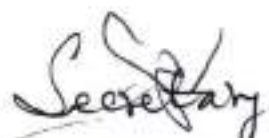
With Regards


(Dr. Bura Sreenivas)
Course Coordinator

Encl: Tentative Proposal

Forwarded to
Secretary for approval


9/28/04


Secretary


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DEPARTMENT OF MECHANICAL ENGINEERING

Proposal for conducting

TWO DAY FACULTY DEVELOPMENT PROGRAMME

Title	INNOVATIVE TEACHING-LEARNING METHODS	
Dates	Tentatively second week of May/ First or Second week of June 2018	
Contents	1. Concept maps 2. Project based learning 3. Peer Instruction and its implementation 4. Learning through smart books 5. Problem based Learning	
Speakers	1. Dr. Ranjith Ramadurai, IITH 2. Dr. Bura Sreenivas, GCET 3. Mr. Vargese, Development Manager, Tata McGraw Hill	
Schedule	Event	Timings
Day 1	Registration	9-9.30 am
	Inauguration	9.30-11.00 am
	Tea Break	11.00-11.20 am
	Session-I	11.30- 1.00 pm
	Lunch	1.00-2.00 pm
	Session-II	2.00-3.30 pm
	Session-I	9.30 - 11.00 am
	Tea Break	11.00-11.20 am
	Session-II	11.30 -1.00 pm
	Lunch	1.00-2.00 pm
	Valedictory session	2.00-3.30 pm
Participants	40 Members	
Eligibility	All faculty members	
Registration Fee	500/-	
Estimated budget required	40000/- 10,000/-	

please go ahead.

Principal
Geethanjali College of Engineering and Technology
(Autonomous)
Chennai (M), Keelara (M), Marthandapuram (T.S.) - 605 004

Sd/-

26/04/18

Rs. 20,000/-

Sd/-
9/27/18

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DEPARTMENT OF MECHANICAL ENGINEERING

3 Days FDP on Teaching learning process

— COMMUNICATION FORSE —

S.NO	NAME	MOBILE NUMBER	EMAIL ID	SIGNATURE
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2	Dr. M. Devaiah	9948606326	devaiah.malkapuram@gmail.com	
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25	K. Niranjana Kumar	9490440340	niru.nirmalram@gmail.com	
26	N. Suresh	8978139789	351suresh@gmail.com	
27	A. Santhosh	9494983343	aadharisanthosh@gmail.com	
28	B. Srinivas Reddy	7981997626	311srinivasreddy@gmail.com	
29	K. Venkatesh	9951053538	venkateshkolusu@gmail.com	
30	R.S. Mahipal Reddy	9052569989	mahipalbtechm@gmail.com	
31	P. Sandeep Kumar	8978451261	skumarcharyp@gmail.com	
32	P. Saryanarayana	8096186121	psatya.pilla@gmail.com	
33	M. Ravi Kumar	9550518305	mrkravi7@gmail.com	
34	N.S. Raghavendra	9481808686	msavannavar01@gmail.com	
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DEPARTMENT OF MECHANICAL ENGINEERING

3 Days FDP on Teaching learning process

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4	Dr. B. Sreenivas	8919670964	burasreenivas@gmail.com	
5	Dr. K. Subhash	9948176918	subhashkamal@gmail.com	
6	K. Rajasekhara Reddy	9908859753	krreddy2010@yahoo.in	
7	P. Ram Mohan Reddy	8096888993	polamuriramohanreddy@gmail.com	
8	K. Jithender Reddy	9885474486	kallemjr@gmail.com	
9	P. Sudheer Rao	9866155200	sudheerraopolasani22@gmail.com	
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21	B. Venkat Sraavan Kumar	8985089802	venkatsraavan8@rediffmail.com	
22	U. Sreekanth	9030093717	uddala.sreekanth77@gmail.com	
23	B. Bhasker	9010036677	bhaskerb786@gmail.com	
24	J. Nithin Kumar	9959593836	nithinkumar.8787@gmail.com	
25	K. Niranjan Kumar	9490440340	niru.nirmalram@gmail.com	
26	N. Suresh	8978139789	351suresh@gmail.com	
27	A. Santhosh	9494983343	sadharisanthosh@gmail.com	
28	B. Srinivas Reddy	7981997626	311srinivasreddy@gmail.com	
29	K. Venkatesh	9951053538	venkateshkolusu@gmail.com	
30	R.S. Mahipal Reddy	9052569989	mahipaltech@gmail.com	
31	P. Sandeep Kumar	8978451261	skumarcharyp@gmail.com	
32	P. Satyanarayana	8096186121	psatya.pilla@gmail.com	
33	M. Ravi Kumar	9550518305	mrkravi7@gmail.com	
34	N.S. Raghavendra	9481808686	rsavannavar01@gmail.com	
35	K. Praveen	8008242589	praveen.kola225@gmail.com	
36	J. Sumalatha	7337415089	sumalatha.jadl318@gmail.com	

PRINCIPAL
Geethanjali College of Engineering and Technology
(Autonomous)
Chennai (V), Kozhikode (M), Madurai (T.S.) - 605 004

Geethanjali College of Engineering and Technology

An UGC Autonomous Institution

Approved by AICTE and permanently affiliated to JNTUH, ISO 9000:2008 Certified

DEPARTMENT OF MECHANICAL ENGINEERING

3 Days FDP on Teaching learning process

S.NO	NAME	MOBILE NUMBER	EMAIL ID	SIGNATURE
1	Dr. T. Siva Prasad	9440822343	tallesiva@rediffmail.com	
2	Dr. M. Devaiah	9948606326	devaish.malkapuram@gmail.com	
3	S.V. Gangadharam	9247839267	ganga9dhar@gmail.com	
4	Dr. B. Sreenivas	8919670964	burasreenivas@gmail.com	
5	Dr. K. Subhash	9948176918	subhashkamal@gmail.com	
6	K. Rajasekhara Reddy	9908859753	krsreddy2010@yahoo.in	
7	P. Ram Mohan Reddy	8096888993	polamuriramohanreddy@gmail.com	
8	K. Iithender Reddy	9885474486	kallejnr@gmail.com	
9	P. Sudheer Rao	9866155200	sudheerraopolasani22@gmail.com	
10	R. Sudarshan	9849224047	rsujyol@gmail.com	
11	B. Subba Rao	8125299169	bsrao.hod@gmail.com	
12	B. Anitha	9963523160	anithahhimavarapu@gmail.com	
13	V. Sandeepa	8297028822	sandeepa1609@gmail.com	
14	K. Raju	9849478743	kunchala324@gmail.com	
15	M. Ravindra Gandhi	8008664404	mail4gandhi@gmail.com	
16	K. Vijay	9490190605	kesojuvijay@gmail.com	
17	V. Rajasekhar	9885280833	raaisv_0333@yahoo.com	
18	P. Laxmi Reddy	9700278304	laxmireddyperam@gmail.com	
19	P.V.R. Girish Kumar	9866522133	girishkumarpvr@gmail.com	
20	N. Rajender	9666454554	narri.rajendar@gmail.com	
21	B. Venkat Sravan Kumar	8985089802	venkatsravan8@rediffmail.com	
22	U. Sreekanth	9030093717	uddala.sreekanth77@gmail.com	
23	B. Bhasker	9010036677	bhaskerb786@gmail.com	
24	J. Nithin Kumar	9959593836	nithinkumar.8787@gmail.com	
25	K. Niranjana Kumar	9490440340	niru.nirmalram@gmail.com	
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29	K. Venkatesh	9951053538	venkateshkolusu@gmail.com	
30	R.S. Mahipal Reddy	9052569989	mahipalbtechn@gmail.com	
31	P. Sandeep Kumar	8978451261	skumarcharyp@gmail.com	
32	P. Satyanarayana	8096186121	psatya.pilla@gmail.com	
33	M. Ravi Kumar	9550518305	mkravi7@gmail.com	
34	N.S. Raghavendra	9481808686	msavanavar01@gmail.com	
35	K. Praveen	8008242589	praveen.kola225@gmail.com	
36	J. Sumalatha	7337415089	sumalatha.jadi318@gmail.com	

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Chennai (M), Keesara (H), Marthala Dist. (T.S.) - 500002



...Striving Towards Perfection


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Cheeryal (V), Keesara (M), R.R. Dist. 501301, Telangana State.

DEPARTMENT OF MECHANICAL ENGINEERING PARTICIPATION CERTIFICATE

This is to certify that Prof./Dr./Mr./Ms. P. RAM MOHAN REDDY
_____ has participated and successfully completed a 3 DAY FDP
~~One / Two week Refresh Course~~
on INNOVATIVE TEACHING LEARNING METHODS
from 21-23 June 2018 organized by the Department of Mechanical Engineering,
Geethanjali College of Engineering and Technology, Cheeryal (V), Keesara (M), Hyderabad-501301 (T.S.).


Coordinator


Head, Dept. of Mech. Engg.


Principal



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Cheeryal (V), Keesara (M), R.R. Dist. 501301, Telangana State.

DEPARTMENT OF MECHANICAL ENGINEERING

PARTICIPATION CERTIFICATE

This is to certify that Prof./Dr./Mr./Ms. B. ANITHA

_____ has participated and successfully completed a 3 DAY FDP ~~One / Two week Refresh Course~~

on INNOVATIVE TEACHING LEARNING METHODS

from 21-23 June 2018 organized by the Department of Mechanical Engineering,

Geethanjali College of Engineering and Technology, Cheeryal (V), Keesara (M), Hyderabad-501301 (T.S.).



Coordinator



Head, Dept. of Mech. Engg.



Principal

Geethanjali College of Engineering and Technology
(Autonomous)
Cheeryal (V), Keesara (M), R.R. Dist. 501301, Telangana State.

ABOUT THE COLLEGE



Geethanjali College of Engineering and Technology (Ed. 2005) is equipped and geared to take on the responsibility of providing the student community with technical education on par with the latest advances in the field in a committed academic ambience and as we understand that acquiring a competency is not a one-time event, but rather an ongoing process, the focus is on developing competencies in students for the future. What goes into making a great Institution, Geethanjali has it all.

Geethanjali aimed at assimilating the latest developments in an ambience committed to achieve academic excellence.

ABOUT THE DEPARTMENT

The Department of Civil Engineering was established in the year 2014 and currently the department offers an undergraduate program B. Tech in civil engineering with an intake of 120 students. The department is headed by Prof. Dr. R. Prasanna Kumar with 23 years of experience in teaching. There are 5 Professors, 3 Associate professor and 16 Assistant Professors in the department.

ABOUT THE FDP

MX Road is an excellent string-based modelling tool that enables the rapid and accurate design of all types of roads. Individuals such as civil engineers, designers, surveyors, system designers can access 3D modelling, construction driven engineering, and other analysis all in one engineering application. MX Road contributes to improving the quality of designs by combining traditional engineering workflow profile and cross sections with 3D modelling technology. This course of MX Road aims to help you excel various features of the software, such as Interoperable Database that means creation and annotation of 3D project models. It will also help you to learn digital terrain model creation and integration with Google Earth.

The main objective of FDP is to train the faculty in Design 2D and 3D drainage design, visualize information-rich model with mapping, building horizontal and vertical alignments, Automate production of contract drawings, Design storm drainage, water, and sewer system, Pavement and subgrade design, Road and junction design.



CONTENTS OF FDP

- Introduction to MX Roads-String Modelling
- Survey data input and import
- String names and drawing styles, point selection methods
- Surface checker and editing data- surface analysis
- String creation and editing
- Earth work calculation
- Alignment creation
- Design of rule based super elevation
- Junction design
- Pavement design -final drawings

TARGET AUDIENCE

- ❏ Faculty of Civil Engineering with specialization in Transportation Engineering and Geotechnical Engineering

REGISTRATION & CERTIFICATION

- ❏ Outside participation is restricted to 10 members only.
- ❏ Participants will be provided with kit and working lunch.
- ❏ A registration fee of Rs. 1500/- is to be paid by the participants.
- ❏ All participants will be awarded with certificate of participation.

VENUE

Computer Lab - Department of
Civil Engineering, Block III
OCT

Registration form for
One Week Faculty Development
Programme

on
MX ROADS
06 -11 May 2019

Name of the faculty (In block letters):

D. RAMCHANDER

Designation: Asst Prof

College: GCET

Department/Branch: CIVIL

Qualification: M. Tech

Specialization: Structural Engineering

Address for communication:

GCET

Mobile Number: 9441113196

E-mail: ramachander66@gmail.com

Date: 25/4/19

Signature of the
Participant

Signature of the
Head of Institution

RESOURCE PERSONS

CADD Centre Trainers, Hyderabad

IMPORTANT DATES

06- 11 MAY 2019 TIME: 9.00 AM - 3.30PM

ORGANIZING COMMITTEE

Chief Patron

Sri. G. R. Ravinder Reddy, Chairman, GCET

Patron

Dr. S. Udaya Kumar, Principal, GCET

Convener

Dr. R. Prasanna Kumar, Head of CED, GCET

Faculty Members

- | | |
|--------------------------|----------------------|
| 1. Dr. K. R. C. Reddy | 14. G. Raju |
| 2. Dr. S. S. Phani | 15. G. Sampath Kumar |
| 3. Prof. S. Tirupati Rao | 16. D. Varun Kumar |
| 4. S. Hari Kiran | 17. P. Supriya |
| 5. V. Abdul Raffi | 18. D. Divya Vani |
| 6. K. Prasad | 19. K. Priyanka |
| 7. Dr. N. Mahendra | 20. Y. Rajesh Kumar |
| 8. G. Vani Sri | 21. V. Navaneetha |
| 9. V. Goutham | 22. K. Divya |
| 10. S. Susmitha | |
| 11. B. Kowshik Reddy | |
| 12. D. Kishore Babu | |
| 13. D. Ramachander | |

One-Week Faculty
Development Programme
on
MX ROADS

Organized by

Civil Engineering Technical Association



Department of Civil Engineering
In collaboration with

CADD CENTRE 30 YEARS OF INNOVATION
WORLD

6 - 11 May 2019



Geethanjali College of Engineering and Technology
(Autonomous)
Permanently affiliated to JNTUH, Approved by AICTE,
Accredited by NAAC
Cheerut (V), Keeyara (M), Medchal Dist. 501301
www.geethanjalinstitutions.com

Date: 4/4/2019

Hyderabad

To,

The Principal,

Geethanjali college of Engineering & Technology,

Cheeryal, Hyderabad.

Sub: **Organizing One Week Faculty Development Program.**

Respected Sir,

It is proposed to organize One Week Faculty development program on **"MX ROAD"** by Civil Engineering Department of GCET for Civil Engineering faculty during 6th -11th of May 2019. As this training program is needed for the faculty keeping in view of Autonomous syllabus of IV year I semester, Pavement Analysis and Design lab. So please grant us permission for conducting the faculty development program.

It is submitted for your kind approval.

Regards,
Coordinators

[Signature]
D. Ramachander, Asst. Prof, CED,
[Signature]
G. Raju, Asst. Prof, CED.

Submitted to the Principal

Sir, about 10 faculty members of
CED will be participating in this FDP.

They may please be exempted from
exam duty during that period.

[Signature]
04/04/19

[Signature]
PRINCIPAL
Geethanjali College of Engineering and Technology
(Autonomous)
Cheeryal (V), Kaasara (R), Medchal Dist. (T.S.)

Please go ahead.

[Signature]
04/04/19.

INSTITUTIONAL COURSE CERTIFICATE OF COMPLETION

**CADD
CENTRE**

Skills Driven. Job Led



Awarded to : D.Rama Chandu

In : MX Road for Institutions

At : Geetanjali college of Engineering & Technology

By : CADD Centre Training Services, Hyderabad, Himayatnagar

During : May-2019 Duration : 40 Hrs Student ID: C190569875



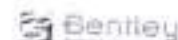

MANAGING DIRECTOR

Ramchandar

CENTRE HEAD

17-05-2019

DATE OF ISSUE



The course is offered by CADD Centre on the software developed by the respective companies. All brand names and trademarks belong to respective owners. Institutional Course are specially designed for meeting the academic curriculum requirements. The course offered at the institutes, by qualified trainers and supporting study materials.

Corporate Office : 8th Floor, GEE GEE Crystal, Office No. 8C & 8D, #91, Dr. Radhakrishnan Salai, Mylapore, Chennai-600 004, India.

www.caddcentre.com

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Geetanjali College of Engineering & Technology
(Autonomous)
For UG, PG, M.Tech, Ph.D.
For UG, PG, M.Tech, Ph.D.
For UG, PG, M.Tech, Ph.D.

INSTITUTIONAL COURSE CERTIFICATE OF COMPLETION

**CADD
CENTRE**

Skills Driven. Job Led

Awarded to - : K.Priyanka

In : MX Road for Institutions

At : Geetanjali college of Engineering & Technology

By : CADD Centre Training Services, Hyderabad, Himayatnagar

During : May-2019 Duration : 40 Hrs Student ID: C190550276



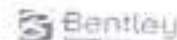
MANAGING DIRECTOR

Ramchandrar

CENTRE HEAD

17-05-2019

DATE OF ISSUE



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www.caddcentre.com

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Geethanjali

Phone : 9182058186
Website: www.geethanjalinstitutions.com
info@gcet.edu.in

Geethanjali College of Engineering and Technology

AUTONOMOUS

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Sy.No 33 & 34, Cheeryal (V), Keesara (M), Medchal District. - 501 301.

PURCHASE ORDER

GCET/ Civil/PO/001/18-19

Date: 7.05.2019

To,
CADD CENTRE Training services Pvt. Ltd,
Flat No: 201, 2nd floor, Sai datta arcade,
Himayatnagar, Hyderabad- 5000029
Ph: 7824008575

Sub:- Service for Mx Roads FDP Reg.
Ref: Your Quotation Dt. 15.4.2019

With reference to your quotation cited above and personal negotiations had with you, we are pleased to place the purchase order to your firm for the following items, as per specifications, terms & conditions indicated.

Sl No	Name of the Item	Duration	Unit cost (Rs)	Total Cost(Rs)
01	Mx Roads Software Training along with study material.	6 days	7,500 per head	60,000
			Total	60,000.00

(Rupees: Sixty Thousand Only)

Terms & Conditions:

- As per the quotation dated 15.04.2019

Please acknowledge the receipt of the P.O and arrange to supply as agreed upon.

For Geethanjali College of Engineering & Technology

Principal
Geethanjali College of Engineering and Technology
(Autonomous)
Cheeryal (V), Keesara (M), Medchal Dist. (T.S.) - 501 301

9/4/19

HOD/CE
HEAT

Page of this document
Geethanjali College of Engineering and Technology
Cheeryal (V), Keesara (M), Medchal Dist. (T.S.) - 501 301

Sponsored by TEJA EDUCATIONAL SOCIETY, HYDERABAD

Office : Sy. No. 33 & 34, Cheeryal (V), Keesara (M), Medchal Dist. - 501 301.

Phones : 9182058196, 9182058198

To
The Principal,
Geethanjali College of Engineering & Technology,
Cheeryal, Hyderabad.

Hyderabad,
Date: 16-04-2019

Through: The HOD (Civil)

Respected Sir,

Sub: Request for budget sanction and approval for conducting FDP - Reg

Civil Engineering Department is planning to conduct a Faculty Development Program (FDP) on "MX ROADS" during 06/05/2019 to 11/05/2019. In this connection, a demonstration by the trainers from three different institutes was taken and it was found that the one given by CADD Centre satisfies the requirements of the program in terms of delivery, quality, study material etc. So, we request you to kindly provide an approval for conducting this program and sanction an amount of Rs. 60,000/- including GST. We enclose here with the required documents for your kind perusal.

We request you to sanction an amount of Rs. 20,000/- as an advance for supply of study material.

With regards,

G. Raju (Asst. Prof., CED)

Mobile: 9492213263

D. Ramachander (Asst. Prof., CED)

Mobile: 9441113196

Submitted to Secretary
for approval
Sgt
9/16/19

Pending approvals
Please go ahead
Sgt
9/16/04/19

Submitted to Principal for approval

Reflex
16/04/2019

To
A/c
Please pay Rs. 6000/-
collected from Principal
to Mr. Mr. Ponds
as we have submitted
TDS.

Sgt
9/14/05/19

PRINCIPAL
Geethanjali College of Engineering and Technology
(Autonomous)
Cheeryal (M), Keesara (R), Madhwal Dist. (R) - 501 301
Sgt
16/04/19



GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY

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Cheerayal (V), Keeravaram (M), Medchal Dist. 501301

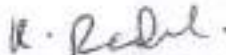


DEPARTMENT OF CIVIL ENGINEERING FACULTY DEVELOPMENT PROGRAM

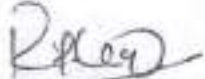


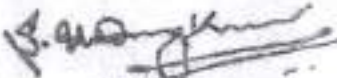
CERTIFICATE OF PARTICIPATION

This is to certify that Ms./ Mr./ Dr. D. Ramachander attended the Faculty Development Program (FDP) entitled "MX ROADS", organized by Civil Engineering Technical Association (CETA) offered in collaboration with CADD Centre, at GCET during 06-11 May 2019.


Manager, CADD Centre
K. Ram Chander


Convener
Prof. S. Tirupati Rao


Head of the Department
Dr. R. Prasanna Kumar


Principal
Dr. S. Udaya Kumar

Principal
Geethanjali College of Engineering and Technology
(Autonomous)
Cheerayal (V), Medchal Dist. 501301

GEETANJALI COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

One Week Faculty Development Program on

"MX ROADS"

6th -11th May, 2019

Attendance Sheet

Sr. No.	Name	Desig.	Org.	06/05/2019		07/05/2019		08/05/2019		09/05/2019		10/05/2019		11/05/2019	
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1.	Dr. R. Prasanna Kumar	Professor & Head	GCET	R	R	R	R	R	R	R	R				
2.	Prof. S. Tirupati Rao	Professor	GCET	STR	STR	STR	STR	STR	STR	STR	STR				
3.	V. Abdul Raffi	Associate Professor	GCET	H	H	H									
4.	V. Goutham	Assistant Professor	GCET	V. Goutham	V. Goutham	V. Goutham	V. Goutham	V. Goutham	V. Goutham	V. Goutham	V. Goutham	V. Goutham	V. Goutham	V. Goutham	V. Goutham
5.	D. Ramachander	Assistant Professor	GCET												
6.	G. Raju	Assistant Professor	GCET	G	G	G	G			G	G	G	G	G	G
7.	S. Susmita	Assistant Professor	GCET	S	S	S				S	S	S	S	S	S
8.	K. Priyanka	Assistant Professor	GCET	K	K	K									
9.	P. Anjiah	Asst. Prof	SCCE	A	A	A	A	A	A	A	A				
10.	K. RAJU	Asst. Prof	SCCE	R	R	R	R	R	R	R	R				
11.	Dr. B. Prasad	Professor	GCET	B	B	B	B	B	B	B	B	B	B	B	B
12.	M. Brahmananda Prady	Asst. Prof	JBET	M	M	M	M	M	M	M	M	M	M	M	M

Signature
Coordinator

Signature
HoD/CE

GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY
Cheeryal (V), Keesara (M), Medchal Dist. - 501301

No. GCET/196/ 2018-19

24.04.2019

OFFICE OF THE PRINCIPAL

CIRCULAR

FDP is arranged for Civil Engineering faculty as per the following details.

Date	:	06.05.2019 to 11.05.2019
Time	:	9.00 am to 3.30 pm
Venue	:	Computer lab, Dept. of Civil Engineering, Block - III
Topic	:	"MX ROADS"
Resource Person	:	Trainer, CADD Centre, ECIL, Hyderabad.
Convenor	:	Prof.S.Tirupathi Rao - CE Dept.
Coordinators	:	Mr.D.Ramchander, Assistant Professor, CE Dept. Mr. G.Raju, Assistant Professor, CE Dept.,

PRINCIPAL

To: Deans / HODs
AO/Website Coordinator

To be removed from notice boards after 11.05.2019


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2018 - 2019

2018 E 2019

GEETHANJALI COLLEGE OF ENGINEERING & TECHNOLOGY**DEPARTMENT OF CIVIL ENGINEERING****Report on Three day Faculty Training Program conducted during 4th - 6th December'2018****By****CAD DESK**

DATE: 11/12/2018

Department of Civil Engineering conducted a Faculty Training Program on "STAAD PRO." during 4th -6th December for faculty of Civil Engineering as per the approval of Principal.

Mr. D. Ramachander, Assistant Professor has introduced the invited speaker Mr. M. Uday Kumar Yadav and Mrs. Shyamala Devi to the participants and they were presented a flower bouquet.

Further, the stage was handed over to the trainer Mr. M. Uday Kumar Yadav who has started the session by explaining the interface of STAAD Pro. software. Later he explained in brief about Grid method and Structure Wizard method. On the first day of training session, Analysis of Beam, Frame (2D & 3D) were dealt.

On the second day the session started by taking a Commercial complex plan for analysis and design using Structure Wizard method.

On the final day of the training session, Mr. G. Arun Raj from CAD DESK has taken on analysis and design of Circular & Rectangular water tank.

Mr. G. Raju, Assistant Professor has given concluding remarks and, Dr. P. Rama Mohan Rao presented a memento to the trainers of the institute and to the manager of CAD DESK Mrs. Shyamala Devi for there support in conducting training program on STAAD PRO.

The lecture strengthen the following POs & PSOs of the department:

PO 1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO 2: Problem analysis: Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO 3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO 12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Principal
Geethanjali College of Engineering and Technology
(Autonomous)
Chennai 60, Kumbakonam Road (T.N.) - 605 006

PROGRAM SPECIFIC OUTCOMES (PSOs):

PSO 1: Apply knowledge in core areas of Civil Engineering such as Structural, Geotechnical, Water Resources, Transportation and Environmental Engineering to Civil Engineering practice.


PSO 3: Shall interact and collaborate with stakeholders; execute quality construction works applying Civil Engineering tools namely, Total Station, Global Positioning System (GPS), Arc-GIS, AutoCAD, STAAD and other necessary tools.

FTP- Coordinators

G. Raju, Asst.Prof., CED

D. Ramachander, Asst.Prof., CED


HOD/CE


PRINCIPAL
Geethanjali College of Engineering and Technology
(Autonomous)
Chennai (V), Kanchi (M), Madurai Dist. (T.S.) - 601 301

GEE...ANJALI COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

Three-Day Faculty Training Program on

STAAD Pro.

4th -6th December, 2018

Attendance Sheet

PRINCIPAL
College of Engineering and Technology
(Autonomous)
Geethanjali, Kessara (M), Machilist Dist. (T.S.) - 501 301

Sr. No.	Name	Designation	Organization	04/12/2018		05/12/18		06/12/18	
				FN	AN	FN	AN	FN	AN
1.	Dr. P. Rama Mohan Rao	Professor & Head	GCET						
2.	Dr. K. R. C. Reddy	Professor	GCET, Chavand						
3.	Dr. S. S. Phani	Professor	GCET						
4.	Prof. G. R. Ravinder Reddy	Professor							
5.	Prof. S. Tirupati Rao	Professor							
6.	S. Hari Kiran	Associate Professor	GCET						
7.	V. Abdul Raffi	Associate Professor	GCET						
8.	Dr. N. Mahendra	Assistant Professor	GCET						
9.	G. Vani Sri	Assistant Professor	GCET						
10.	V. Goutham	Assistant Professor	GCET						
11.	D. Kishore Babu	Assistant Professor	GCET						
12.	B. Kowshik Reddy	Assistant Professor	GCET						
13.	P. Supriya	Assistant Professor	GCET						
14.	D. Ramachander	Assistant Professor	GCET						
15.	G. Raju	Assistant Professor	GCET						
16.	G. Sampath Kumar	Assistant Professor	GCET						
17.	S. Susmita	Assistant Professor	GCET						
18.	D. Varun Kumar	Assistant Professor	GCET						
19.	V. Navaneetha	Assistant Professor	GCET						
20.	D. Divya Vani	Assistant Professor	GCET						
21.	K. Priyanka	Assistant Professor	GCET						
22.	Y. Rajesh Kumar	Assistant Professor	GCET						
23.	K. Divya	Assistant Professor	GCET						

Signature
Coordinator

Signature
HoD/CE

GEETHA NJALI COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

Three-Day Faculty Training Program on

STAAD Pro.

4th -6th December, 2018

Attendance Sheet

Sr. No.	Name	Designation	Organization	04/12/2018		05/12/18		06/12/18	
				FN	AN	FN	AN	FN	AN
24.	M. Abinavathe	Designer	LAD-360°	Present	Present	Present	Present	Present	Present
25.									
26.									
27.									
28.									
29.									
30.									
31.									

Signature
Coordinator

Signature
HoD/CE

PRINCIPAL
Geetha Njali College of Engineering and Technology
(Autonomous)
Chennai (M), Madurai Dist. (T.S.) - 621 304

ABOUT THE COLLEGE



Geethanjali College of Engineering and Technology (Ed. 2005) is equipped and geared to take on the responsibility of providing the student community with technical education on par with the latest advances in the field in a committed academic ambience and as we understand that acquiring a competency is not a one-time event, but rather an ongoing process, the focus is on developing competencies in students for the future. What goes into making a great Institution, Geethanjali has it all.

Geethanjali aimed at assimilating the latest developments in an ambience committed to achieve academic excellence.

ABOUT THE DEPARTMENT

The Department of Civil Engineering was established in the year 2014 and currently the department offers an undergraduate program B. Tech in civil engineering with an intake of 120 students. The department is headed by Prof. Dr. P. Rama Mohan Rao with 33 years of experience in teaching. There are 5 Professors, 1 Associate professor and 15 Assistant Professors in the department.

ABOUT THE FTP

Staad Pro is an integrated software package for the structural analysis and design of buildings. Staad Pro offers 3D object-based modelling and visualization tools, linear and nonlinear analytical power, design capabilities for a wide-range of materials, and graphic displays, reports, and schematic drawings that allow users to quickly and easily understand analysis and design results. Staad Pro integrates every aspect of the engineering design process. CAD drawings can be converted directly into Staad Pro models or used as templates onto which Staad Pro objects may be overlaid. Design of steel and concrete frames (with automated optimization), composite beams, composite columns, steel joists, and concrete & masonry shear walls is included, as is the capacity check for steel connections and base plates.

The main objective of FTP is to train the faculty in Structural Modelling, Design and analysis of different types of buildings. It provides an overall look over STAAD Pro V8i. It demonstrates the steps to be followed to produce the structural analysis of different types of buildings, bridges, trusses and etc.



CONTENTS OF FTP

Analyse and Design of:

1. Continuous beam - Calculating SFD, BMD and Elastic curve.
2. 2D and 3D frame-Calculating SFD and BMD.
3. Multi-storey buildings for live and dead loads.
4. Multi-storey buildings by considering different load combinations (gravity and lateral loads) Multi storied Building.
5. Commercial complex.
6. Water tank.
7. Slab bridges.
8. Plate girders.
9. Roof Trusses.

TARGET AUDIENCE

1. Faculty of Civil Engineering.

REGISTRATION & CERTIFICATION

1. Registration is free for faculty of GCET.
2. All attended faculty will be awarded with certificate of participation.

VENUE

Computer lab -
Department of Civil
Engineering, Block-III,
GCET.

Rs 500/- for external participation

Registration form for
Three-Day Faculty Training Programme
on

STAAD Pro.
4th, 5th and 6th December 2018

Name of the faculty (In block letters): _____

Designation: _____

College: _____

Department/Branch: _____

Qualification: _____

Specialization: _____

Address for communication: _____

Mobile Number: _____

E-mail: _____

Date: _____

Signature of the
Participant

Signature of the
Head of Institution

RESOURCE PERSONS

CAD DESK Trainers, ECIL, Hyderabad

IMPORTANT DATES

Day 1: 04 Dec 2018, Time: 9.00AM-3.30PM

Day 2: 05 Dec 2018, Time: 9.00AM-3.30PM

Day 3: 06 Dec 2018, Time: 9.00AM-3.30PM

ORGANIZING COMMITTEE

Chief Patron

Sri. G. R. Ravinder Reddy, Chairman, GCET

Patron

Dr. S. Udaya Kumar, Principal, GCET

Convener

Dr. P. Rama Mohan Rao, Head of CED, GCET

Co-Ordinators

D. Ramachander, Assistant Professor, CED

G. Raju, Assistant Professor, CED

G. Sampath Kumar, Assistant Professor, CED

Y. Rajesh Kumar, Assistant Professor, CED

P. Supriya, Assistant Professor, CED

Faculty Members

- | | |
|--------------------------|---------------------|
| 1. Dr. K. R. C. Reddy | 8. B. Kowshik Reddy |
| 2. Dr. S. S. Phani | 9. K. Divya |
| 3. Prof. S. Tirupati Rao | 10. D. Varun Kumar |
| 4. S. Hari Kiran | 11. V. Navaneetha |
| 5. G. Vani Sri | 12. D. Divya Vani |
| 6. V. Goutham | 13. K. Priyanka |
| 7. S. Susmitha | 14. D. Kishore Babu |

**Three-Day Faculty Training
Programme**

on

STAAD Pro.

Organized by

*Civil Engineering Technical Association
of Civil Engineering Department*



In collaboration with



4 - 6 December 2018



Staad.Pro



Geethanjali College of Engineering and Technology
(Autonomous)
Permanently affiliated to JNTUH, Approved by AICTE,
Accredited by NAAC
Cheerla (V), Keesara (M), Medchal Dist. 501301
www.geethanjalinstitutions.com

GEETHANJALI COLLEGE OF ENGINEERING & TECHNOLOGY
Cheeryal (V), Keesara (M), Medchal Dist. - 501301

No. GCET/093/ 2018-19

01.12.2018

OFFICE OF THE PRINCIPAL
CIRCULAR

A Faculty Training Program is arranged for Faculty members of Civil Engineering department as per the following details.

Date : 04.12.2018 to 06.12.2018 (Tuesday to Thursday)
Time : 9.00 am to 3.30 pm
Venue : Seminar Hall - Block - III
Topic : **"ONSTAAD PRO.SOFTWARE"**
Resource Persons : Sri.M.Uday Kumar Yadav - Trainer, CAD DESK Training Institute
Coordinator : Mr.D.Ramchander, Asst.Professor, CE Dept.
Mr.G.Raju, Asst Professor, CE Dept.

To: Deans / HODs / Professors / I/Cs
AO / Event Manager / Websites
Notice Boards


PRINCIPAL


PRINCIPAL
Geethanjali College of Engineering and Technology
(Autonomous)
Cheeryal (V), Keesara (M), Medchal Dist. (T.S.) - 501 301

Date: 28/11/2018

Hyderabad

To,

The Principal,

Geethanjali college of Engineering & Technology,

Cheerla, Hyderabad.

Sub: Organizing three day Faculty Training Program.

Respected Sir,

It is proposed to organize Three day Faculty training program on "STAAD PRO" by Civil Engineering Department of GCET for Civil Engineering faculty in coordination with CAD DESK training institute during 4th -6th of December 2018, for which the training institute has proposed an amount of Rs.15000/- for three day training session. As this training program is needed for the faculty keeping in view of Autonomous syllabus of III year II semester for Advanced structural design lab. So please grant us permission for conducting the faculty training program and sanction an amount of Rs. 15,000/-.

It is submitted for your kind approval.

Regards,
Coordinators

D. Ramachander, Asst. Prof, CED,
G. Raju, Asst. Prof, CED.

*forwarded to principal
for kind consideration.*

*P. R. a. ~~~~~
28/11/18*

Please go ahead.

PRINCIPAL
Geethanjali College of Engineering and Technology
(Autonomous)
Cheerla (V), Hanamkonda (M), Nizamsaheb Dist. (T.S.) - 501 301

*To
A/c*

*please Give cheque
DD*

*File
9/28/11/18*



Certificate of Participation

This certificate is proudly awarded to

DR. P. RAMA MOHAN RAO

for recognition his participation & successfully completion of

"FACULTY TRAINING PROGRAM" in STAAD.Pro - Select

at CAD DESK, ECIL, HYDERABAD

from 4th Dec., 2018 to 6th Dec., 2018.

Date : 17th Dec., 2018

Managing Director

CAD DESK IS THE REGISTERED TRADEMARK OF PARSHI TRAINING & TECHNICAL SERVICES PVT. LTD. JAIPUR (RAJ.)

C.O.: 2nd Floor, Pixel Tower, Beside Morani Motors (VOLVO), Sitabari, Tonk Road, JAIPUR (Raj.) | +91-7378123123 | www.caddeskindia.com

Date: 27/08/2021
Hyderabad

To,

The Principal,
Geethanjali College of Engineering & Technology,
Cheeryal, Hyderabad.

Sub: Organizing a one week online Faculty Development Program.

Respected Sir,

It is proposed to organize a One Week Faculty Development Program on "Computer Applications in Civil Engineering" by Civil Engineering Department of GCET during 20th -25th of September 2021. The schedule and details are furnished below, for your kind perusal.

Date	Time	Resource Person	Topic
20/9/2021	5.30 pm to 7 pm	Dr. Venkata Dilip Kumar Pasupuleti Associate Professor, Mahendra Ecole Centrale, College of Engineering	Smart Infra structures using Sensors
21/9/2021	5.30 pm to 7 pm	Dr. Prafulla Associate Professor, Mahendra Ecole Centrale, College of Engineering	Applications of Artificial Intelligence(AI) in Civil Engineering
22/9/2021	5.30 pm to 7 pm	Dr. Vinayaka Ram Professor, BITS Pilani, Hyderabad.	HDM Application to Pavement Management System
23/9/2021	5.30 pm to 7 pm	Dr. S. Bhuvaneshwari, Associate Professor, SRM University, Chennai, Tamil Nadu	Software's in Geotechnical Engineering
24/9/2021	5.30 pm to 7 pm	Dr. Jaya Kumar, Professor, NIT Warangal, Telangana	Software's in Water Resources Engineering
25/9/2021	5.30 pm to 7 pm	Dr. Aneetha, Assistant Professor, NIT Warangal, Telangana	Building Information Modelling (BIM Software)

The expected expenditure for Faculty Development Program is Rs 10,000/- (Rupees ten thousand only).
It is submitted for your kind approval.

Submitted to Principal for approval

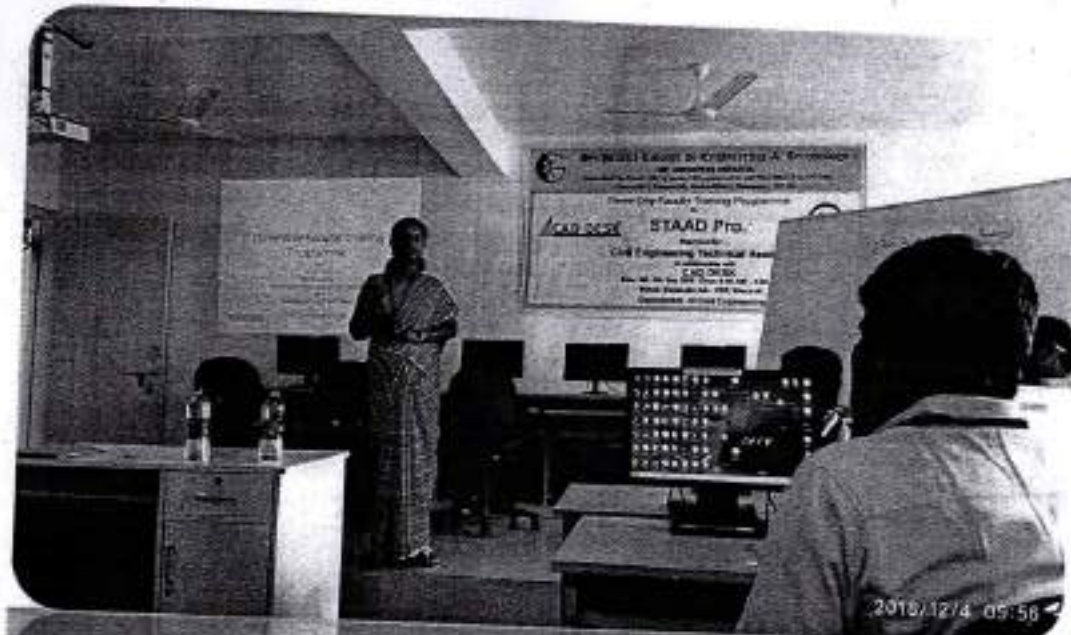
[Signature]
27/08/21

please go ahead -

PRINCIPAL
Geethanjali College of Engineering and Technology
(Autonomous)
Cheeryal (M. Kemans Road, Medchal District, T.S.)
9/27/08/21

[Signature]
D. Ramachander, Asst. Prof, CED,
G. Raju, Asst. Prof, CED.

Regards,
Coordinators





PRINCIPAL
(Engineering and Technology)
(Autonomous)
Bharath College of Engineering & Technology
K. J. Somaiya Institute of Technology
K. J. Somaiya Institute of Technology
K. J. Somaiya Institute of Technology

GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY
Cheeryal (V), Keesara (M), Medchal Dist. – 501301

No. GCET/195/ 2018-19

23.04.2019

OFFICE OF THE PRINCIPAL

CIRCULAR

FDP is arranged for faculty as per the following details.

Date : 30.04.2019, 01.05.2019, 02.05.2019, 03.05.2019, 04.05.2019 and 06.05.2019

Time : 9.00 am to 3.00 pm

Venue : Board Room – Block – I

Topic : "Actuarial Statistics"

Resource Person : Dr. Vijay Venkat Kumar, IIRM
Mr. Sudheer Raj, IIRM
Mr. G. Srimanarayana, IIRM

Coordinator : Dr. V. S. Triveni, Professor, FE Dept.
Dr. N. Subhadra, – Associate Professor, FE Dept.,

To: Deans / HODs
AO/Website Coordinator

*Calculate
CO-2
23/4/19*

[Signature]
PRINCIPAL
Geethanjali College of Engg. and Tech
Cheeryal (V), Keesara (M), Medchal Dist. (T.S.)-501301.

To be removed from notice boards after 06.05.2019

To
The Principal
GCET
23-04-2019

(Through Proper channel)

Sir

Sub: Request for permission to conduct FDP on Actuarial Statistics and sanction budget-reg.

Actuarial Statistics is offered as elective in IV year II semester ECE and EEE programs in AR 16 curriculum. In the faculty meeting of Mathematics Club discussions took place regarding this course. As the course is new and has numerous applications, all faculty expressed that a Faculty Development Program on this course is very much needed.

In this regard myself and Dr. N. Subhadra searched for available resource persons in this field and also enquired with BOS members Prof. M. A. S. Srinivas, Head, Department of Mathematics, JNTUH, Hyderabad, Dr. C. S. Sastry, Professor of Mathematics, IIT, Hyderabad. As per their suggestions, we visited CR Rao Advanced Institute of Mathematics Statistics and Computer Science, HCU, Gachibowli, Indian Statistical Institute, Habsiguda, IIRM (Institute of Insurance and Risk Management), Financial District, Gachibowli.

IIRM is exclusively running a PG diploma and A two year PG course in Actuarial Science. After our discussions with Dr. T. Narasimha Rao, Managing Director of IIRM, the following schedule has been finalized:

FACULTY DEVELOPMENT PROGRAMME (ACTUARIAL STATISTICS)

Date	Resource Person	Topic	Discussion	Time
30-04-2019	Dr Vijay Venkat Kumar, IIRM 5000	Financial Mathematics	Basics of Finance, Security market & Insurance Interest rate, Numerical and Examples	09.00 am-10.30 am 10.45 am-12.15 pm 1.00 pm-3.00 pm
01-05-2019	Mr Sudheer Raj, IIRM	Financial Mathematics	Present value, Future Value, Annuities and Loans, Numerical & Examples	09.00 am-10.30 am 10.45 am-12.15 pm 1.00 pm-3.00 pm
02-05-2019	Mr Sudheer Raj, IIRM 7000	Utility Theory	Introduction, Application of Utility theory in Insurance, Examples	09.00 am-10.30 am 10.45 am-12.15 pm 1.00 pm-3.00 pm
03-05-2019	Mr Srimanarayana, IIRM 3000	Mortality	Actuarial notations, Survival and Death probability, Examples	09.00 am-10.30 am 10.45 am-12.15 pm 1.00 pm-3.00 pm

04-05-2019	Mr Sudheer Raj, IIRM	Life Insurance & Premium	Types of Insurance Contract , Annuity contracts, Net Premium , Examples	09.00 am-10.30 am 10.45 am-12.15 pm 1.00 pm-3.00 pm
06-05-2019	Mr Sudheer Raj, IIRM	Life Insurance & Premium	Reserves , Bonus and Examples	09.00 am-10.30 am 10.45 am-12.00 pm

Venue: Board Room-Block-I

Budget:

- | | |
|-----------------------------------|--------------|
| 1. Honorarium for resource person | -Rs 15,000/- |
| 2. Banner (1no) | -Rs. 800/- |
| 3. Lunch (three persons) | -Rs. 1800/- |
| 4. Water Bottles, Tea and Snacks | -Rs. 2200/- |
| 5. Miscellaneous | -Rs. 1200/- |

*See pay
paycher
pay Adwch.
PA. O. M*

Total- Rs 21,000

Transport requirement:

For Mr Sudheer Raj, IIRM on 1st, 2nd, 4th and 6th May 2019 from Attapur, Hyderabad

Profiles of Resource persons enclosed.

Thank you.

Yours Sincerely

Triveni

Dr. V. S. Triveni
Professor, FE Department

Extended & useful
PRINCIPAL
Tanjali College of Engg. and Tech.
Attapur, Hyderabad (TS) 501 501
23/4/19

*To
A/c / AO for a.p.e.*

*See
proceed.
M*

*Sd/-
23/04/19.*

Report on Faculty Development Program on Actuarial Statistics (30th April – 6th May, 2019)

Venue: Seminar Hall, Block II

Organizers: Mathematics Club

Mathematics team of GCET organized a one week workshop on Actuarial Statistics. The resource persons were from IIRM, who did more exponents in the subject concerned.

Day-1: 30-04-2019

Resource person: Dr Vijay Venkat Kumar

Topic: Financial Mathematics

On 30th April, 2019, Dr. VijayVenkat Kumar conducted his session on the Basics of Finance, Security Market and Insurance interest rates of Financial Mathematics. He also explained these topics through numerical examples. Topics covered on this day are Money market, capital market, Regulatory committee, Inflation and basic details of Stock index and Nifty. His session was quite resourceful on Financial Mathematics.

Day-2: 01-05-2019

Resource person: Mr. Sudheer Raj

Topic: Financial Mathematics Continuation

On 1st May, 2019, Mr Sudheer Raj delivered his lecture in cash flow, Present value, Future value and Accumulated value in the Forenoon session. He also explained these topics through numerical examples using simple interest, compound interest, simple discount and compound discount rate in the afternoon session. The session was very resourceful.

Day-3: 02-05-2019

Resource person: Mr. Sudheer Raj

Topic: Annuities

On 2nd May, 2019, Mr. Sudheer Raj explained about different types of Annuities. After that he covered the topics General insurance, life insurances in the morning session. He also explained perpetuity, increasing annuity and numerical examples on the above topics in the afternoon session. After completion of the day, I am able to calculate EMI of a loan, Premium of a policy and pension for an annuity.


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Day-4: 03-05-2019

Resource person: Mr. Srimanarayana

Topic: Mortality probability

On 3rd May, 2019, Mr. Srimanarayana has given brief introduction on sample space, random variable and probability of success, failure, discrete and continuous distributions, expectation and variance, sample distribution. He also introduced the concepts of life table column notations and actuarial symbols. He has given the definition cohort, total future life time and relation between them. In the afternoon session, he delivered a talk on discrete hazard function, survival function, central exposed risk and important assumption on mortality theory. I got the best awareness on symbolic notations involved in Mortality theory.

Day-5: 04-05-2019

Resource person: Mr. Sudheer Raj

Topic: Life Insurance and premium

On 4th May, 2019, Mr. Sudheer Raj has delivered brief lecture on Life insurance and premium which covered the different types of insurances in both discrete and continuous medium. Life tables were provided for calculation of premiums. I am able to solve numerical examples provided by the instructor using these tables.

Day-6: 06-05-2019

Resource person: Mr. Sudheer Raj & Dr. Vijay Venkat

Topic: Life Insurance and premium(FN) and utility theory (AN)

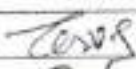
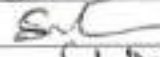
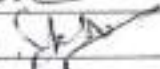
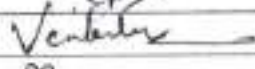





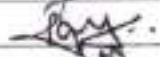

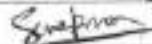
On 6th May, 2019, In the Forenoon session Mr. Sudheer Raj has addressed on deferred assurance contract which consist of variance present value, claim acceleration approximation, life annuity, net premium reserves (pro and retro) and gross premium. In the afternoon session, a brief talk on utility theory. I am able to work on numerical examples and concepts discussed on the above topics. The session concluded by felicitating the Resource persons.


✓
PRINCIPAL
Jai College of Engg. and Tech
Gosara (M), Bhubaneswar (O.D.A.)

Ramulu
(A. Ramulu)

FDP on Actuarial Statistics

Attendance

Name of the Faculty	Date: 30-4-2019
Dr. V. S. Triveni	
Dr. N. Subadhra	
Dr. Nuslin	
Dr. Venkateshwarlu	
Dr. Mahesh	
Ms. Sailaja	
Ms. Lalitha	
Ms. Padma	
Mr. Nagaraju	
Mr. Nagireddy	
Mr. Ramesh	
Ms. Molimol	
Mr. Naupal Reddy	Naupal Reddy
Ms. Lavanya	Lavanya
Ms. Swapna	


PRINCIPAL
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 Cherpal (V), Keesara (M), Medchal Dist. (T.S.)-501 301.

FDP on Actuarial Statistics

Attendance

Name of the Faculty	Date: 1-5-2019
Dr. V. S. Triveni	<i>Triveni</i>
Dr. N. Subadhra	<i>Subadhra</i>
Dr. Nuslin	<i>Nuslin</i>
Dr. Venkateshwarlu	<i>Venkatwarlu</i>
Dr. Mahesh	<i>M</i>
Ms. Sailaja	<i>S</i>
Ms. Lalitha	<i>L</i>
Ms. Padma	<i>P</i>
Mr. Nagaraju	<i>N</i>
Mr. Nagireddy	<i>N</i>
Mr. Ramesh	<i>R</i>
Ms. Molimol	<i>M</i>
Mr. Naupal Reddy	<i>Naupal Reddy</i>
Ms. Lavanya	<i>Lavanya</i>
Ms. Swapna	<i>Swapna</i>

[Signature]
PRINCIPAL
 Gudimallu College of Engg. and Tech.
 Cheruvu (M), Kothamreddy, Medchal Dist. (T.S.) 501 301.

FDP on Actuarial Statistics

Attendance

Name of the Faculty	Date: 2-5-2019
Dr. V. S. Triveni	<i>Triveni</i>
Dr. N. Subadhra	<i>Subadhra</i>
Dr. Nushin	<i>Nushin</i>
Dr. Venkateshwarlu	<i>Venkat</i>
Dr. Mahesh	<i>MA</i>
Ms. Sailaja	<i>Sailaja</i>
Ms. Lalitha	<i>Lalitha</i>
Ms. Padma	<i>Padma</i>
Mr. Nagaraju	<i>NR</i>
Mr. Nagireddy	<i>Nagireddy</i>
Mr. Ramesh	<i>Ramesh</i>
Ms. Molimol	<i>MP</i>
Mr. Naupal Reddy	<i>Naupal Reddy</i>
Ms. Lavanya	<i>Lavanya</i>
Ms. Swapna	<i>Swapna</i>

[Signature]
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 Geethanjali College of Engg. and Tech.
 Cheruvu (V), Kavara (R), Medchal Dist. (T.S.)-501 301.

Attendance

PRINCIPAL
Geethanjali College of Engg and Tech
Campus 03, Kattana 5th, Madurai-625 002, Tamil Nadu

FDP on Actuarial Statistics

Attendance


Name of the Faculty	Date: 4-5-2019
Dr. V. S. Triveni	<i>Triveni</i>
Dr. N. Subadhra	<i>Subadhra</i>
Dr. Nuslin	<i>Nuslin</i>
Dr. Venkateshwarlu	<i>Venkateshwarlu</i>
Dr. Mahesh	<i>Mahesh</i>
Ms. Sailaja	<i>Sailaja</i>
Ms. Lalitha	<i>Lalitha</i>
Ms. Padma	<i>Padma</i>
Mr. Nagaraju	<i>Nagaraju</i>
Mr. Nagireddy	<i>Nagireddy</i>
Mr. Ramesh	<i>Ramesh</i>
Ms. Molimol	<i>Molimol</i>
Mr. Naupal Reddy	<i>Naupal Reddy</i>
Ms. Lavanya	<i>Lavanya</i>
Ms. Swapna	<i>Swapna</i>

[Signature]
PRINCIPAL
Geethanjali College of Engg. and Tech.
Chervu (M), Keeravani (M), Madhavi Dist. (S.S.) 501 301.

FDP on Actuarial Statistics

Attendance

Name of the Faculty	Date: 6-5-2019
Dr. V. S. Triveni	<i>Triveni</i>
Dr. N. Subadhra	<i>Subadhra</i>
Dr. Nushin	<i>Nushin</i>
Dr. Venkateshwarlu	<i>Venkateshwarlu</i>
Dr. Mahesh	<i>Mahesh</i>
Ms. Sailaja	<i>Sailaja</i>
Ms. Lalitha	<i>Lalitha</i>
Ms. Padma	<i>Padma</i>
Mr. Nagaraju	<i>Nagaraju</i>
Mr. Nagireddy	<i>Nagireddy</i>
Mr. Ramesh	<i>Ramesh</i>
Ms. Molimol	<i>Molimol</i>
Mr. Naupal Reddy	<i>Naupal Reddy</i>
Ms. Lavanya	<i>Lavanya</i>
Ms. Swapna	<i>Swapna</i>


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