

2017-18

6.3.3 List of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during academic year 2016-17

| Dates (from-to) (DD-MM-YYYY) | Title of the professional development program organized for teaching staff | Title of the administrative training program organized for non-teaching staff | Page NO |
|-------------------------------------|---|--|----------------|
| 28/2/2018 | Law for the entrepreneur and manager | | 3—7 |
| 15/2/18 | | Awareness on Fitness | 8—13 |
| 22/1/2018 - 26/1/2018 | Application Of Biosensors | | 14—22 |
| 22/1/2018 - 26/1/2018 | Design Concepts Of Hydraulic Structures | | 23—31 |
| 22/1/2018 - 26/1/2018 | Block chain | | 32—37 |
| 22/1/2018 - 26/1/2018 | Embedded design using ARM cortex microcontroller | | 38—49 |
| 22/1/2018 - 26/1/2018 | Digital Signal Laboratory | | 50—57 |
| 22/1/2018 - 26/1/2018 | Big Data Analytics | | 58—66 |
| 22/1/2018 - 26/1/2018 | CFD & its Applications | | 67—72 |
| 18/1/18 | Latest Trends in Cyber Crime/Security | | 73—80 |
| 15/12/2017 | | Talk on Personality development and Capacity building | 81—87 |
| 6/11/2017 | Research methodology and technical writing for Research scholars | | 88—94 |
| 2/8/2017 | Issues related to patent laws | | 95—98 |
| 24/7/2017 - 28/7/2017 | Regulatory Affairs In Pharma Industries | | 99—108 |
| 24/7/2017 - 28/7/2017 | Advanced Waste Water Treatment Methods | | 109—117 |
| 24/7/2017 - 28/7/2017 | Artificial Intelligence and Robotics | | 118—125 |
| 24/7/2017 - 28/7/2017 | VLSI design using Verilog | | 126—135 |
| 24/7/2017 - 28/7/2017 | Renewable energy resources | | 136—142 |
| 24/7/2017 - 28/7/2017 | Multimedia Networking | | 143—152 |
| 24/7/2017 - 28/7/2017 | Teaching techniques in Computer aided engineering drawing | | 153—158 |



SAPTHAGIRI COLLEGE OF ENGINEERING

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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057.

Web: www.sapthagiri.edu.in, Email: principal@sapthagiri.edu.in

Phone: 080-28 372800/1/2 -228 Fax: 080-28 372797

To,

Mr. Rafeek Ahmed
Technical Head, Aricent Technologies

&

Mr. Praveen Kumar
Project Head, Aricent Technologies
Bangalore

Dear Sir,

Sub:Seminar on Entrepreneurship.

The Sapthagiri College of Engineering is arranging seminar on Entrepreneurship. We request you to kindly arrange for the lecture. The subject will be of interest to the Engineering college students. As per your request, Transport will be arranged for Pick-up and drop of the guest lecturer. The details of the event is provided below.

Date: 28.02.2018

Time: 09.30 am to 10.30 am

Venue: Seminar Hall, SCE Bangalore.

Thanking you,

Dr. KN Ravi
Professor and Head
Department of Electrical and Electronics Engineering
Sapthagiri College of Engineering
Bengaluru

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057



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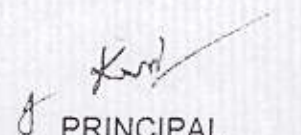
CIRCULAR

The college is organizing seminar on "Laws for the Entrepreneur and Manager" by **Mr. Rafeek Ahmed** and **Mr. Praveen Kumar, Aricent Technologies** on 28.02.2018 from 10.30AM to 12PM in Seminar Hall, Faraday Block.

Hence hereby informing all faculties and students to attend the same.

Copy to:

1. All HCD's
2. Office copy.


PRINCIPAL
Principal
Sapthagiri College of Engineering
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Bengaluru - 560 057


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Seminar Report

Topic: "Law for the Entrepreneur and Manager"

By

Mr. Rafeek Ahmed

Technical Head, Aricent Technologies

&

Mr. Praveen Kumar

Project Head, Aricent Technologies

Bangalore

Date: 28.02.2018

Time: 09.30 am to 10 30 am

Venue: Seminar Hall, SCE Bangalore.

This seminar provides a basic understanding of legal issues that corporations face during their existence. The talk started by providing the basic building blocks of business law. We then follow a firm through its life cycle from its "breakaway" from an established firm through it going public.

The talk emphasize the organization and financing of the company. In the second half of the talk, examine a broad array of law-sensitive issues relating to intellectual property, product development, M&A transactions, international trade, the duties of directors and officers, business disputes, and bankruptcy and reorganization.

The goal of the seminar is not to impart technical legal skills, but to enhance the judgment which students will bring to their responsibilities as entrepreneurs, managers in established companies, or consultants and advisors.

Principal

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Chikkasandra, Hesaraghatta Road,
Bangalore-560 057



*Students and faculties attending the seminar by
Mr.Rafeek Ahmed & Mr.Praveen Kumar*

HOD EEE

PRINCIPAL

Principal

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Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU.

DEPARTMENT OF ECE

Attendance

Date: 28/02/2018

| S.No | Name of the Faculty | Signature |
|------|---------------------|------------------|
| 1 | Shobha Hugar | Shobha Hugar |
| 2 | P. Ananya | P. Ananya |
| 3 | Shobha S | Shobha S |
| 4 | Sucha M.S | Sucha M.S |
| 5 | Vani A | Vani A |
| 6 | Prathibha P | Prathibha P |
| 7 | Valshmi K | Valshmi K |
| 8 | Sanjeela Lize | Sanjeela Lize |
| 9 | Suma V Shetty | Suma V Shetty |
| 10 | SHILPA V. | SHILPA V. |
| 11 | Preeti T.S | Preeti T.S |
| 12 | Karthick N.C | Karthick N.C |
| 13 | Ravi Shankar M.N | Ravi Shankar M.N |
| 14 | Vani V | Vani V |
| 15 | Sethu Murthy | Sethu Murthy |
| 16 | Sasmita M | Sasmita M |
| 17 | Ramya M | Ramya M |
| 18 | Divya N.S | Divya N.S |
| 19 | Ashwini C | Ashwini C |
| 20 | Thansi K | Thansi K |
| 21 | Shilpa M | Shilpa M |
| 23 | Amalika A | Amalika A |
| 21 | Abhishek K.L | Abhishek K.L |
| 24 | Sneha G | Sneha G |
| 27 | Supriya S | Supriya S |
| | | |
| | | |

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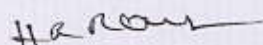
www.sapthagiri.edu.in

Fax: 080-28372797

CIRCULAR

14.2.18

Non Teaching Faculties are hereby informed to attend FDP in Awareness on Fitness on 15/2/2018.



HOD ISE

Dr. H.R. Ranganatha
Prof. & H.O.D

Dept. of Information Science & Engg.
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Main Road
BANGALURU-560 057



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Fax: 080-28372797

Schedule

Date: 15/02/2018

| Time | Topics |
|----------------------------|----------------------|
| 10:30 am to 12:00 pm | Awareness on fitness |

H.R. Ranganatha

HOD ISE

Dr. H.R. Ranganatha

Prof & H.O.D

Dept. of Information Science & Engg

Sapthagiri College of Engineering

#14/5, Chikkasandra, Hesaraghatta Main Road

BANGALORE-560 057

B

Principal

Sapthagiri College of Engineering

Chikkasandra, Hesaraghatta Road,

Bangalore-560 057



**Seminar for Non teaching faculties
On**

“Awareness on Fitness”

On 15/02/2018

**Organized by
Department of
Information Science and
Engineering**



Sapthagiri College of Engineering
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru 560057
Phone: 080-28372800/01/02/03

About the College

Sapthagiri Group of Institutions is the creation of Sri Srinivasa Educational & Charitable trust, Bengaluru. Sapthagiri College of Engineering is the brainchild of honorable Sri Giriappa, Founder Chairman and Sri. G. Dayanand, Chairman of Sri Srinivasa Educational & Charitable trust. Sri G.D. Manoj, is the Executive Director of SCE. SCE began its glorious journey in the year 2004. It is approved and accredited by AICTE, New Delhi and is affiliated to VTU Belagavi, Karanataka. The campus of Sapthagiri College of Engineering is spread across 6.5 acres of lush green land with beautiful landscape. The area enjoys pleasant atmosphere throughout the year. The college has secured 22 University ranks and 4 Gold medals.

Vision

To create and maintain an enabling learning environment for the students to transform them as thorough professionals to meet diverse professional demands of global environments.

Mission

To provide quality education to the students to pursue courses in different engineering disciplines and to transform their professional dreams into reality and to offer competent budding professionals to the society.

About the Department:

The Information Science and Engineering Department had its beginning in the year 2001 with an intake of 120 students, and is one of the pioneering departments at Sapthagiri College of Engineering. The Department has well qualified and dedicated faculty members, who always put in their best efforts to ensure that quality education is imparted to students. The Department will be striding in the progressive path to achieve excellence in academics and research activities. Apart from the qualified faculty and staff, the

Department has state-of-the-art laboratories and latest software's.

About the FDP:

Significance of physical fitness to improve the overall health

Resource Persons:

Mr Shankar Shinde
Physical Director
Sapthagiri College Of Engineering

**Address for
Communication/Registration**

Prof. Gayatri R
Assistant Professor, CSE
Ph: 8147290734

Prof. Ramya R.
Asistant Professor
Ph: 8884816537

Email-id for registration:

gayatrikrishna@sapthagiri.edu.in


Principal
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Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

Seminar on "Awareness on Fitness" Attendance

15.2.18

| Sl No. | Name | Signature |
|--------|---------------|-------------|
| 1 | UMESHA BY | [Signature] |
| 2 | KAMALA | [Signature] |
| 3 | Kishoramma | [Signature] |
| 4 | Dragee | [Signature] |
| 5 | Mangalabawri | [Signature] |
| 6 | Nandana R | [Signature] |
| 7 | Anupooja | [Signature] |
| 8 | Shankar | [Signature] |
| 9 | Nagajayalaxmi | [Signature] |
| 10 | Siddhaganga | [Signature] |
| 11 | veeragowda | [Signature] |
| 12 | ANSHU | [Signature] |
| 13 | Nagare | [Signature] |
| 14 | Ashwini B | [Signature] |
| 15 | Prasanna | [Signature] |
| 16 | parvathamma | [Signature] |

H R Ranga
HOD

Dr H.R. Ranganatha
Prof. & H.O.D

Dept. of Information Science & Engg.

Sapthagiri College of Engineering

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Report on Awareness on Fitness


No of participants=16

Aiming to provide a knowledge on Awareness on Fitness for the Non Teaching faculties of Sapthagiri College of Engineering held during 15/2/2018. The speaker for this program is Mr. Shankar Shinde, Physical Director in Sapthagiri College of Engineering Bangalore. Physical fitness awareness had significant and positive effects on staff members. General fitness is a part of overall health. It means having a healthy body weight as well as an ability to perform physical activities without tiring easily.



FDP on Awareness on Fitness by Mr Shankar Shinde


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Coordinator

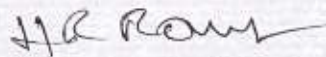


Sapthagiri College of Engineering

Bangalore-560057

Certificate

This is to certify that Mr. /Ms. NANDANA R
Of SAPTHAGIRI COLLEGE OF ENGINEERING has participated
in the seminar on "Awareness on Fitness" on 15 February 2018
organized by the Department of Information Science & Engineering,
Sapthagiri College of Engineering.


HOD, Dept of ISE



Principal
Sapthagiri College of Engineering
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Bangalore- 560 057


Principal

Date: 28/12/2017

Meeting Circular

A meeting as schedule on 29/12/2017 (Friday) at 1:00 PM in Department of Physics. This meeting is regarding FDP conduction.


Dr. Jagadeesha Gowda.G.V
HOD
M.Sc, BEd, MPhil, PhD
Professor & Head
Department of Physics
Sapthagiri College of Engineering
Bengaluru-560 057.

Copy To,

1. HOD of Biotechnology



2. HOD of Chemistry







Principal
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Bangalore- 560 057


Date: 4-1-2016

Circular

Faculty of Department of Biotechnology and Department of Basic science are here by informed to attend five days faculty development programme titled as Application of Biosensor from 22-1-2018 to 26-01-2018. All the Faculty register their names with Faculty Coordinator **Prof Ganendara, Dept of Physcis.**


HOD of Physics
Dr. Jagadeesha Gowda.G.V
Msc, BEd, MPhil, PhD
Professor & Head
Department of Physics
Sapthagiri College of Engineering
Bengaluru-560 057.

1. **HOD Department of Biotechnology** 

2. **HOD of Chemistry** 


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DEPARTMENT OF BIOTECHNOLOGY AND
DEPARTMENT OF BASIC SCIENCE

Five days Faculty Development Programme

On

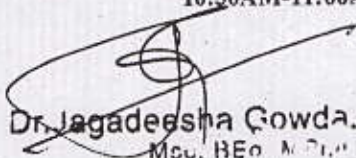
Application of Biosensors

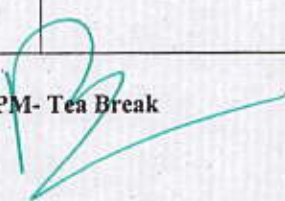
22-1-2018 to 26-1-2018

SCHEDULE

| Time Date/Day | 9.30 AM-10.30 AM | 11.00 AM-12:30PM | 1:30-3:00PM | 3:30-3:30PM |
|------------------------|---|---|--|---|
| 22-1-2018 Monday | FDP Inaugural Function | Introduction to Biosensor Prof Ravishankar Dept. Of ECE, SCE,Bangalore | Development of Nanoparticles for the detection and degradation pharmaceutical compounds DR. Prasanna, Professor, Dept. Of Physics , JSSIT, Bangalore | Development of paper based biosensors for medicinal applications Dr. R. Dhanalaxmi PhD, IISc., PDF (Germany) |
| 23-1-2018 Tuesday | Development of Carbon Paste Electrode for Heavy metal analysis. Dr. S. Vimalnath | Fabrication of Biosensor Dr. J S S AllwinEbinesar | Development of Carbon Paste Electrode for Heavy metal analysis. (Lab Conducted by Dr. S. Vimalnath And Dr. J S S Allwin Ebinesar | |
| 24-1-2018 Wednesday | Development of Biosensors for the development the detection of Gas compounds Dr. Mehaboob Pasha Professor, Dept. Of Physics Presidency University, Bangalore | Development of carbon paste electrode for the detection of chromium by Cyclic voltammetry Dr. Shashidhara, Dept. Of Physics, JSSIT,Bangalore | Development of Nanoparticles for the detection of Gas compounds | |
| 25-1-2018 Thursday | Industrial Visit | | | |
| 26-1-2018 Friday | Biosensors in the Field of Biotechnology Prof .Prashanth Kumar HP, Dept. Of Biotechnology, SCE,Bangalore | Metal ion Sensors Dr Shilpa Shiv Kumar AP,Dept. Of Biotechnology, AIT, Bangalore | | Valedictory Function |

10:30AM-11:00AM- Tea Break, 12:30PM-1:30PM-Lunch Break, 3:30PM-3:45PM- Tea Break


Dr. Jagadeesha Gowda.G.V
MSc, BEd, M.Phil, PhD
Professor & Head
Department of Physics
Sapthagiri College of Engineering
Bangalore-560 057


Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

Registration Form Faculty Development Programme

APPLICATION OF BIOSENSOR

22-1-2018 to 26-01-2018
Monday-Friday

Participant Details

Name : _____

Dept : _____

College : _____

Mobile : _____

Email ID : _____

Area of Interest : _____

PATRONS

Sri. G Dayanand
Chairman, SCE

Sri. G D Manoj
Executive Director, SCE

Dr. Ashwath Kumar M
Principal, SCE

ORGANISERS

Dr. Jagadeesh Gowda
HOD, Physics

Dr Ananda S
HOD, BT

Dr B S Krishna
HOD, Chemistry

Co-ordinators

Prof. Gnanendra D.S
AP, Dept of Phy

Prof. Kavya MV
AP, Dept of BT

Principal
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SAPTHAGIRI COLLEGE OF ENGINEERING

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DEPARTMENT OF BIO-TECHNOLOGY
AND
DEPARTMENT OF BASIC SCIENCES

Five Day
Faculty Development
Programme
on

APPLICATION OF BIOSENSOR

Report of FDP Programme
"Application of Biosensors"

The Department of Biotechnology and Basics Chemistry jointly organized the FDP programme on Application of Biosensors for detection of metal concentration, Gas concentration, and Drug concentration. The science and technology on Application of Biosensors on several disciplines has increased day by day in the scientific world due to its higher conductivity, less dielectric strength, higher stability, and it has high anti-microbial activity. The biosensors are mainly used to quantify the concentration of metals, drug cell interactions, bio-molecular interactions emerged in the liquid source. In addition to that, the nano-particles can be used to generate the electricity with the help of developing solar cells.

Summary of Event

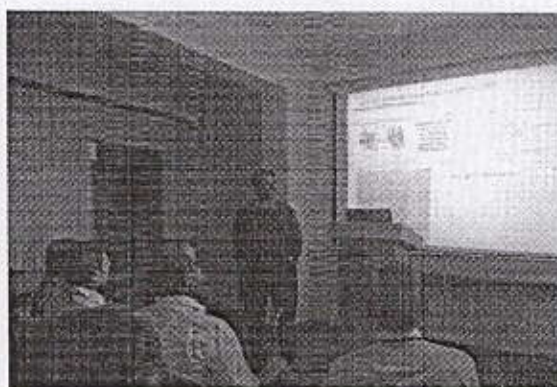
The session talk was started with an introduction to biosensor and different types of transducer by Prof Ravi Shankar from EC Department, SCE and the day ended up by the lab session. A experience gain on experience for hands on training on Development of carbon paste electrode for the detection.

In the second day, the talk was initiated by Dr J. S. S Allwin Ebinesar, Adhoc faculty, NIT, Calicut, Chemical Engineering Department. The speakers explained the importance of Biosensors and development of sensors and importance. After noon, the lab was conducted by Dr J. S. S Allwin Ebinesar, NIT, and Calicut for the fabrication of biosensors.

Finally, the Faculty Program ended by the lecture given by Associate Professor A. Shilpa Shivakumar on drug sensing and metal ion sensors and Prof Prashanth Kumar HP on application of Biosensors in the field of Biotechnology.



Dr JSS Allwin Ebinesar, Research Associate and Adhoc Faculty, NITK Surathkal-Introduction of Biosensor



Signature of the FDP Co-Ordinator

Signature of the HOD
Dr. Jagadeesha Gowda G.V
Msc, BEd, MPhil, PhD
Professor & Head
Department of Physics
Sapthagiri College of Engineering
Bengaluru-560 057.

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ATTENDANCE LIST

Event Name: Application of Biosensors

Date: 22-1-2018 to 26-01-2018

| SL No | Faculty Name | DAY-1 | | DAY-2 | | DAY-3 | | DAY-4 | | DAY-5 | |
|-------|--------------------|-------|----|-------|----|-------|----|-------|----|-------|----|
| | | MS | AS | MS | AS | MS | AS | MS | AS | MS | AS |
| 1 | Dr. Rohit KC | | | | | | | | | | |
| 2 | Blenny Baby Mathew | | | | | | | | | | |
| 3 | Somya C | | | | | | | | | | |
| 4 | Shobha G | | | | | | | | | | |
| 5 | Ananda H.V | | | | | | | | | | |
| 6 | Salanya D | | | | | | | | | | |
| 7 | Prasanth Kumar HP | | | | | | | | | | |
| 8 | Kanya M.V | | | | | | | | | | |
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Dr. Jagadeesh Gowda G.V.
Msc, BEd, MPhil, PhD
Professor & Head
Department of Physics
Sapthagiri College of Engineering
Bengaluru-560 057


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

ATTENDANCE LIST

Event Name: Application of Biosensors
Date: 22-1-2018 to 26-01-2018

| Sl. No | Faculty Name | DAY-1 | | DAY-2 | | DAY-3 | | DAY-4 | | DAY-5 | |
|--------|-----------------------|-------|----|-------|----|-------|----|-------|----|-------|----|
| | | MS | AS | MS | AS | MS | AS | MS | AS | MS | AS |
| 1 | Devanur C | | | | | | | | | | |
| 2 | Bhasathi. D | | | | | | | | | | |
| 3 | Shwetha. m. | | | | | | | | | | |
| 4 | Mrs. Shalika B.S | | | | | | | | | | |
| 5 | Mr. Gnanendra D.S | | | | | | | | | | |
| 6 | Dr. Keshavamurthy. B. | | | | | | | | | | |
| 7 | Mr. Nandakumar | | | | | | | | | | |
| 8 | Dr. Rangaswamy D.R | | | | | | | | | | |
| 9 | Mr. Harsha C | | | | | | | | | | |
| 10 | Mr. Anupama B.G. | | | | | | | | | | |
| 11 | Mr. Lakshmi K.S | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
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Dr. Jagadeesha Gowda. G.V
Msc, BEd, MPhil, PhD
Professor & Head
Department of Physics
Sapthagiri College of Engineering,
Bengaluru-560 057.


Principal
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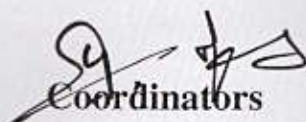
Department of Biotechnology
and
Department of Basic Sciences

Five Days Faculty Development Programme
on

"APPLICATION OF BIOSENSORS"

CERTIFICATE OF PARTICIPATION

This is to certify that Dr/Mr/Ms/Mrs. Ravikantha N
of Sapthagiri College of Engineering has attended Five days Faculty
Development Program on **"Application of Biosensors"** from 22-1-2018 to
26-01-2018 at Sapthagiri College of Engineering, Bengaluru - 560057.


Coordinators


Convener


Principal

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057



DEPARTMENT OF CIVIL ENGINEERING

SAPTHAGIRI COLLEGE OF ENGINEERING

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Phone: 080-28 37280/1/2


Fax: 080-28 372797

ACADEMIC YEAR 2017-2018

Date: 01/07/

CIRCULAR

Faculties are hereby informed that the department is conducting a faculty development programme titled as 'DESIGN CONCEPTS OF HYDRAULIC STRUCTURES' for five days from 22ND JAN 2018 to 26TH JAN 2018. Interested faculties can register their names with Prof. PRAMOD K R


NOD
Dept. of civil


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

SAPTHAGIRI COLLEGE OF ENGINEERING

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ACADEMIC YEAR 2017-2018

Minutes of Meeting

A meeting of all the faculties was held on 01-18-2018 at HOD's office, Department of civil, Sapthagiri College of Engineering.

Prof. GEETHA T S, Associate Professor & Head chaired the meeting and greeted all faculty.

In the meeting the syllabus, schedule and budget of five days faculty development programme on stability of structures

Detailed Syllabus & Schedule

DAY 1 – Elements of dam engineering

Date: 01/22/2018

| Time | Topics |
|----------------------------|--|
| 08:30 am To 10:15 am | General introduction and basics of dam engineering |
| Tea Break | |
| 10:30 am To 12:30 pm | Elements of dam engineering Introductory perspectives, Embankment types and Characteristics- Concrete dams and characteristics |
| Lunch Break | |
| 01:30 pm To 03:00 pm | Spillways and ancillary works – site assessment and selection of type of dam |
| Tea Break | |
| 03:15 pm To 04:00 pm | Case studies on hydraulic structures |

DAY 2 - Embankment dam engineering

Date: 01/23/2018

| Time | Topics |
|----------------------------|--|
| 08:30 am To 10:15 am | Nature and classification of soil- engineering characteristics of soil, principles of design |
| 10:30 am To 12:30 pm | Material and construction and properties of the various materials used in the constructions. |
| 01:30 pm To 03:00 pm | seepage – Stability and stresses, Settlement |
| 03:15 pm To 04:00 pm | deformation in rock fill embankments |

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ACADEMIC YEAR 2017-2018

DAY 3 – Concrete dam engineering

Date: 01/24/2018

| Time | Topics |
|----------------------------|--|
| 08:30 am To 10:15 am | Loading -Concepts and criteria, Gravity dam analysis design features |
| Tea Break | |
| 10:30 am To 12:30 pm | stability elementary profile of gravity dam- Concrete for dams |
| Lunch Break | |
| 01:30 pm To 03:00 pm | roller compacted concrete gravity dams |
| Tea Break | |
| 03:15 pm To 04:15 pm | Dam outlet works |

DAY 4 – SPILLWAYS

Date: 01/25/2018

| Time | Topics |
|----------------------------|--|
| 08:30 am To 10:15 am | Spillways – Ogee spillway - cavitations on spillway – design feature |
| Tea Break | |
| 10:30 am To 12:30 pm | design principles and design of spillways – Chute spillways |
| Lunch Break | |
| 01:30 pm To 03:00 pm | Energy dissipation – stilling basins – plunge pools |
| Tea Break | |
| 03:15 pm To 04:00 pm | Sarda fall – Glacis fall –Design principles- Cross regulator, head regulator and functions |

DAY 4 – Energy dissipators:

Date: 01/25/2018

| Time | Topics |
|----------------------------|--|
| 08:30 am To 10:15 am | Principles of energy dissipation Energy dissipators based on tail water rating curve and jump height curves Spillway crest gates |
| Tea Break | |
| 10:30 am To 12:30 pm | Energy dissipators based on tail water rating curve and jump height curves Spillway crest gates - vertical lift and radial gates, their design principles. Design of canal regulating structures |
| Lunch Break | |
| 01:30 pm To 03:00 pm | Design of Channel transitions, Design of Sarda type Falls, Design of cross drainage works viz Syphon aqueduct and Canal syphon. |



DEPARTMENT OF CIVIL ENGINEERING

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ACADEMIC YEAR 2017-2018

| Tea Break | |
|----------------------------|----------------------|
| 03:15 pm To 04:00 pm | Valedictory function |


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About the College

Sapthagiri Group of Institutions is the creation of Sri Srinivasa Educational & Charitable trust, Bengaluru. Sapthagiri College of Engineering is the brainchild of honorable Sri Late Giriappa, Founder Chairman and Sri. G. Dayanand, Chairman of Sri Srinivasa Educational & Charitable trust. Sri G.D. Manoj, is the Executive Director of SCE. SCE began its glorious journey in the year 2001. It is approved and accredited by AICTE, New Delhi and is affiliated to VTU Belagavi, Karnataka. The campus of Sapthagiri College of Engineering is spread across 6.5 acres of lush green land with beautiful landscape. The area enjoys pleasant atmosphere throughout the year.



Vision

To be a best institution imparting quality engineering education to deal with community needs through learning and performance.

Mission

To implement path breaking student centric education methods. - To augment talent, nurture teamwork to transform to develop individual as responsible citizen. -To educate the students and faculties about entrepreneurship to meet vibrant requirements of the society. -Strengthen Industry-Institute Interaction for knowledge sharing.

Chief Patrons

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Sapthagiri Group of Institutions, Bengaluru

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& Charitable Trust, Sapthagiri Group of Institutions

Sri. G.D. Manoj,
Executive Director, Sri. Srinivasa Educational
& Charitable T, Sapthagiri Group of Institutions

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Principal, SCE, Bengaluru
Convener

Prof.Suvarna P
Prof.& HOD,Dept. of CV, SCE, Bengaluru

FDP Coordinator
Mr.Pramod K R
Asst.Professor, SCE, Bengaluru

Faculty Development Programme

On

Design Concept Of Hydraulic Structures

On

22nd -26th Jan 2018

Organized by

Sapthagiri College of Engineering

Department of Civil Engineering

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru
560057

Phone: 080-28372800/01/02/03



About the Course:

- Overview of Design concept of hydraulic structures
- Basics of dam engineering.
- Embankment and spillways
- Nature and classification of soil
- Stability elementary profile
- Design principal
- Principles of energy disposal
- Design of channel, cross drainage, spillway

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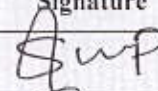

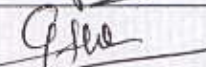


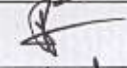

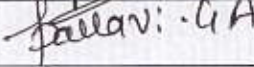

ACADEMIC YEAR 2017-2018

FACULTY DEVELOPMENT PROGRAMME

ON

ANALYSIS OF DESIGN CONCEPTS OF HYDRAULIC STRUCTURES

Faculty Attendance

| Sl No. | Faculty Name | Designation | Signature |
|--------|----------------------|---------------------|---|
| 1 | Prof. SUVARNA P | HOD |  |
| 2 | Prof. PRAMOD.K.R | Assistant professor |  |
| 3 | Prof. GEETHA.T.S | Assistant professor |  |
| 4 | Prof. KRUPA.T.L | Assistant professor |  |
| 5 | Prof. AKSHAY. J | Assistant professor |  |
| 6 | Prof. RAGHAVENDRA R | Assistant professor |  |
| 7 | Prof. DHIRUVARAJ.M.S | Assistant professor |  |
| 8 | Prof. PALLAVI.G.A | Assistant professor |  |
| 9 | Prof. NAVYA. N | Assistant professor |  |

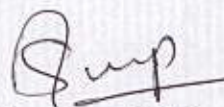


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Signature of coordinator



Signature of HOD

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ACADEMIC YEAR 2017-2018

Report

On DESIGN CONCEPTS OF HYDRAULIC STRUCTURES

Aiming to provide an intense training on design concepts of hydraulic structures for our civil engineering faculties, Sapthagiri College of Engineering held during from 22nd Jan to 26th Jan 2018.

Master of Ceremony (MOC) for the entire program was Mrs. Navya N (Assistant Professor, Department of Civil Engineering). After self introduction of MOC, Mr. Pramod K R (Assistant Professor, Department of Civil Engineering) delivered the welcome address followed by the Pleasant Prayer song by our 2nd sem student Ms. Nikhila. Further Prof. SUVARNA P (Head Of the Department, Department of Civil Engineering) introduced the resource person Dhruvaraj M S and explained us about the importance of 'hydraulic structures and the basic design concepts' to faculties. During the current academic year 2018-19, a five day Faculty Development Programme on "design concepts of hydraulic structures" is proposed to be organized during 22nd Jan to 26th Jan 2018, in the campus of Sapthagiri college of engineering. In the sessions the following have been discussed in detail the planning, design, construction and management of hydraulic structures, covering dams, spillways, tunnels, cut slopes, sluices, water intake and measuring works, ship locks and lifts, as well as fish ways. Particular attention is paid to considerations concerning the environment, hydrology, geology and materials etc. in the planning and design of hydraulic projects. It also considers the type selection, profile configuration, stress/stability calibration and engineering countermeasures, flood releasing arrangements and scouring protection, operation and maintenance etc. for a variety of specific hydraulic structures. This programme is primarily intended for engineers, in the field of civil and hydraulic engineering who are faced with the challenges of extending our understanding of hydraulic structures ranging from traditional to groundbreaking, as well as designing, constructing and managing safe, durable hydraulic structures that are economical and environmentally friendly. After all the sessions of last day, the program came almost to an end and the vote of thanks for the morning indoor session was given by Mrs. Pallavi G.A (Assistant Professor, Department of Civil Engineering). After the vote of thanks, the MOC Mrs. Navya N thanked the gathering and asked the participants to stay there for further theoretical and practical sessions for the next 2 days. This was followed by the Tea Break for everyone who had gathered.



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ACADEMIC YEAR 2017-2018



Overall the faculties felt that the session was informative & gain knowledge about design concepts of hydraulic structures.



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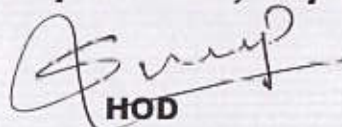
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Certificate

This is to Certify that Mr./Mrs. Bhauvaraj. H.S of has participated and successfully completed Five days Workshop on "Design Concept Of Hydraulic Structures" from 22nd Jan to 26th Jan 2018 organized by the Civil Engineering Department, Sapthagiri College of Engineering.


HOD

Dept. of CIVIL


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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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ACADEMIC YEAR 2018-2019

Date: 19/01/2018

CIRCULAR

Faculties are hereby informed that the Department is conducting a Five days Faculty Development Programme titled as "**Block Chain**" for our faculties for their Technical Developments from 22nd Jan 2018 to 25th Jan 2018. Interested faculties can register their names with Prof Kavitha G, Assistant Professor.

Copy to

1. The office of the Principal
2. HODs: CSE/ECE/EEE/IS/ME/CV/BT/PHY/CHE/MATH


HOD

Professor & Head of the Department
Computer Science Engineering
Sapthagiri College of Engineering
Bengaluru-560 057


Principal
Sapthagiri College of Engineering
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ACADEMIC YEAR 2017-2018

FIVE days FDP on "Block Chain" on JAN 22nd-26th, 2018

Programme schedule

| DATE/DAY | TIME | EVENT, SPEAKER & TOPIC COVERED | VENUE |
|--------------------------|---------------------|---|-------------------------|
| 22/01/2018, MONDAY | 9:00 AM-10:00 AM | Registration | Academic Block Entrance |
| | 10:00 AM -10:40 am | Inaugural Function | ALH-206 |
| | 10:40 am -11 :00 am | Tea Break | |
| | 11:00 am -1:00 pm | Lecture-1: Prof Suriya Prakash Introduction to block chain • key features of block chain | ALH-206 |
| | 1:00 pm- 2:00pm | Lunch Break | |
| | 2:00pm -4:00 pm | Lecture-2: Prof. Veena K R • Bitcoin, Introduction to Ethereum, Ethereum block chain | ALH-206 |
| 23/01/2018, TUESDAY | 9:00 AM-10:40 AM | Lecture-3: Prof. Ramanagouda S Patil • Deploying smart contract | ALH-206 |
| | 10:40 am -11 :00 am | Tea Break | |
| | 11:00 am -1:00 pm | Lecture-4: Prof. Kavitha G • Deploying over Remix IDE | ALH-206 |
| | 1:00 pm- 2:00pm | Lunch Break | |
| | 2:00pm -4:00 pm | Lecture-5: Prof. Suriya Prakash Hands on Session | ALH-206 |
| 24/01/2018, WEDNESDAY | 9:00 AM-10:40 AM | Lecture-6: Prof. Ramanagouda S Patil • Privacy and Ethics | ALH-206 |
| | 10:40 am -11 :00 am | Tea Break | |
| | 11:00 am -1:00 pm | Lecture-7: Prof Suriya Prakash • Usability and Accessibility | ALH-206 |
| | 1:00 pm- 2:00pm | Lunch Break | |
| | 2:00pm -4:00 pm | Lecture-8: Prof. Suriya Prakash Hands on Session | ALH-206 |
| 25/01/2018, THURSDAY | 9:00 AM-10:40 AM | Lecture-9: Prof. Ramanagouda S Patil Cyber security use cases, Capital market use cases. Other Block chain Technologies and Innovations | ALH-206 |
| | 10:40 am -11 :00 am | Tea Break | |
| | 11:00 am -1:00 pm | Lecture-10: Dr. Kamalakshi Naganna • Usability and Accessibility | ALH-206 |
| | 1:00 pm- 2:00pm | Lunch Break | |
| 26/01/2018, FRIDAY | 9:00 AM-10:40 AM | Lecture-11: Prof. Veena K R • MakerDao and Dai, ERC 721 tokens | ALH-206 |
| | 10:40 am -11 :00 am | Tea Break | |
| | 11:00 am -1:00 pm | Lecture-12: Prof. Kavitha G • Hyperledger fabric and composer | ALH-206 |
| | 1:00 pm- 2:00pm | Lunch Break | |
| | 2:00pm -4:00 pm | Certificate Distribution | ALH-206 |

Registration Details

Name: _____

Designation: _____

Qualification: _____

Experience (In Years) Teaching: _____

Industry: _____

Address for communication: _____

Phone Office: _____

Mobile: _____

E-mail: _____

Signature of Participant

*Signature of the Head of the
Organization/Department/Institute with Seal*

Chief Patrons:

Sri Dayanand G.
Chairman
Sri Srinivasa Educational & Charitable Trust

Sri G D Manoj
Executive Director
Sri Srinivasa Educational & Charitable Trust

Patrons:

Dr. Srinivasan N. Director, SCE
Dr. M. Aswatha Kumar Principal, SCE

Organizing Chair:

Dr. Yogish H K
Professor & Head

Co-ordinator:

Prof. Kavitha G
Assistant Professor



SAPTHAGIRI COLLEGE OF
ENGINEERING
Five days Faculty Development

Programme on

“Block Chain”

22nd Jan to 26th Jan 2018



Organized by:

Department of Computer Science & Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING

Recognized by AICTE, New Delhi & Affiliated to VTU, Belgaum

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ACADEMIC YEAR 2017-2018
FIVE days FDP on "Block Chain" on JAN 22nd-26th, 2018

ATTENDANCE REPORT

| SL. No. | Name | Day 1 | | Day 2 | | Day 3 | | Day 4 | | Day 5 | |
|---------|---------------------------|-----------|----|-----------|----|-----------|----|-----------|----|-----------|----|
| | | 22/1/2018 | | 23/1/2018 | | 24/1/2018 | | 25/1/2018 | | 26/1/2018 | |
| | | FN | AN | FN | AN | AN | AN | FN | AN | FN | AN |
| 1 | Dr. KAMALAKSHI NAGANNA | | | | | | | | | | |
| 2 | Prof. CHAITHRA | | | | | | | | | | |
| 3 | Prof. RAMANAGOUDA S PATIL | | | | | | | | | | |
| 4 | Prof. LATHA A | | | | | | | | | | |
| 5 | Prof. SURIYA PRAKASH | | | | | | | | | | |
| 6 | Prof. MADHU SHREE | | | | | | | | | | |
| 7 | Prof. MAMATHA A | | | | | | | | | | |
| 8 | Prof. VEENA K.R | | | | | | | | | | |
| 9 | Prof. KAVITHA G | | | | | | | | | | |
| 10 | Prof. SRIKANTH M S | | | | | | | | | | |
| 11 | Prof. GAJENDRA PRASAD | | | | | | | | | | |
| 12 | Prof. NANDA.M.B | | | | | | | | | | |
| 13 | Prof. ANURADHA BADAGE | | | | | | | | | | |
| 14 | Prof. SHILPA M | | | | | | | | | | |
| 15 | Prof. KAVYA N.L | | | | | | | | | | |
| 16 | Prof. SUPREETHA S | | | | | | | | | | |
| 17 | Prof. SNEHA G | | | | | | | | | | |
| 18 | Prof. ARUN KUMAR | | | | | | | | | | |
| 19 | Prof. ABISHEK K L | | | | | | | | | | |

Roo po
Poornima
Shanthi

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ACADEMIC YEAR 2017-2018

REPORT ON

Five days FDP on "FIVE days FDP on "Block Chain "on JAN 22nd-26th, 2018

The FDP was organized for all Computer Science Department staff, the session was headed by Prof. Ramanagouda S patil and Prof. J Suriya Prakash, subject experts.

FDP includes overall Concepts of Blockchain, called blocks that are linked using cryptography. Each block contains a cryptographic hash of the previous block, a timestamp, and transaction data. By design, a Blockchain is resistant to modification of the data.

- There are various **Blockchains** that come in public, permissioned or private versions.
- Today, there are dozens of different protocols, considered as **Blockchains** and can be classified as distributed ledger technologies.
- For example Ethereum, Corda from R3, Fabric from IBM and Ripple.

It included practice sessions as well. It was attended by the faculty of CSE department.




Glimpse of FDP



Hand on Session


Convener


Principal
Sapthagiri College of Engineering
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Bengaluru-560 057


Chairman
Professor & Head of the Department
Computer Science Engineering
Sapthagiri College of Engineering
Bengaluru-560 057

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#14/5, HESARAGHATTA MAIN ROAD, BENGALURU - 560057

Certificate of Participation

This is to certify that

Mr./Ms. Prof. Shruthi. N.
Successfully participated in the Faculty Development Program on "Block Chain" from 22/01/2018 to 26/01/2018 organized by Department of Computer Science & Engineering, Sapthagiri College of Engineering, Bengaluru-560057.


HOD

Professor & Head of the Department
Computer Engineering


Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bengaluru-560057


PRINCIPAL

Principal

Sapthagiri College of Engineering



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING.

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ACADEMIC YEAR 2017-2018

Date: 12/01/2018

CIRCULAR

Department of Electronics and Communication Engineering is conducting a five days faculty development programme on **Embedded design using ARM cortex microcontroller** for the technical developments of the faculty from 22nd Jan 2018 to 26th Jan 2018. All the faculty can register their names with *Prof. Varshini K and Prof. Prathiba P.*


HOD

Department of ECE

Head of the Department
Electronics & Communication
Sapthagiri College of Engineering
Bangalore- 560 057



Principal
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING.

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ACADEMIC YEAR 2017-2018

Minutes of Meeting

A meeting of all the faculty was held on 08/01/2018 at HOD's office, Department of ECE, Sapthagiri College of Engineering.

Agenda:

- In the meeting the syllabus, schedule of five days faculty development programme on **Embedded design using ARM cortex microcontroller** to faculty members was discussed and approved by the HOD.

DAY 1 - Why ARM and Embedded Systems?


Date: 22/01/2018

| Time | Topics |
|----------------------------|--------------------------------------|
| 08:30 am To 10:15 am | Embedded system Basics |
| Tea Break | |
| 10:30 am To 12:30 pm | Building blocks of embedded systems |
| Lunch Break | |
| 01:30 pm To 03:00 pm | Introduction to ARM Microcontroller. |
| Tea Break | |
| 03:15 pm To 04:00 pm | Applications of Embedded systems |

DAY 2 - Overview on ARM CORTEX M3 LPC1768 Evaluation board.

Date: 23/01/2018

| Time | Topics |
|----------------|-------------------------|
| 08:30 am To | Introduction to LPC1768 |


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING.

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ACADEMIC YEAR 2017-2018

| | |
|----------------------------|--|
| 10:15 am | |
| 10:30 am To 12:30 pm | Brief discussion on various blocks of LPC1768 |
| 01:30 pm To 03:00 pm | Introduction to Keil Software Inl |
| 03:15 pm To 04:00 pm | Introduction to embedded C |

DAY 3 – Interfacing using Embedded C programming.

Date: 24/01/2018

| Time | Topics |
|----------------------------|---|
| 08:30 am To 10:15 am | Communication Protocols: SPI, UART |
| Tea Break | |
| 10:30 am To 12:30 pm | About Controller area network (CAN) |
| Lunch Break | |
| 01:30 pm To 03:00 pm | Embedded C programming to blink a LED and to mimic ring counter |
| Tea Break | |
| 03:15 pm To 04:15 pm | Embedded C programming to establish communication between UARTs |

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING.

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Phone: 080-28 372900/1/2 Fax: 080-28 372797

ACADEMIC YEAR 2017-2018

DAY 4 – Interfacing.


Date: 25/01/2018

| Time | Topics |
|----------------------------|--|
| 08:30 am To 10:15 am | Motor Drivers and Programs. |
| Tea Break | |
| 10:30 am To 12:30 pm | PWM and its application |
| Lunch Break | |
| 01:30 pm To 03:00 pm | Embedded C programming to control the average voltage and their by DC motor. |
| Tea Break | |
| 03:15 pm To 04:15 pm | Embedded C programming to change the direction of motors. |

DAY 5 – About External interrupts

Date: 26/01/2018

| Time | Topics |
|----------------------------|---|
| 08:30 am To 10:15 am | Introduction to DAC and ADCs. |
| Tea Break | |
| 10:30 am To 12:30 pm | Introduction to external interrupts. |
| Lunch Break | |
| 01:30 pm To | Embedded C Program to generate the waveforms. |


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ACADEMIC YEAR 2017-2018

| | |
|----------------------|---|
| 03:00 pm | |
| Tea Break | |
| 03:15 pm To 04:00 pm | Embedded C Program to demonstrate External interrupts application |

The following members were present in the meeting and the syllabus and lesson plan for the faculty development programme has been decided.

| Sl No. | Faculty Name | Designation | Signature |
|--------|--------------------------|---------------------|-----------|
| 1. | Prof. Agalya P. | Associate Professor | |
| 2. | Prof. Shobha S. | Associate Professor | |
| 3. | Prof. Ravishankara M. N. | Associate Professor | |
| 4. | Prof. Shobha I Hugar | Assistant Professor | |


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5 Days FDP
on

"Embedded design using ARM cortex
Microcontroller"

22nd January 2018 to 26th January 2018

Organized by

Department of
Electronics & Communication
Engineering



Sapthagiri College of
Engineering

#14/5, Chikkasandra, Hesaraghatta
Main Road, Bengaluru 560057

Phone: 080-28372800/01/02/03

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Bangalore- 560 057

About the College

Sapthagiri Group of Institutions is the creation of Sri Srinivasa Educational & Charitable trust, Bengaluru. Sapthagiri College of Engineering is the brainchild of honorable Sri Giriappa, Founder Chairman and Sri. G. Dayanand, Chairman of Sri Srinivasa Educational & Charitable trust. Sri G.D. Manoj is the Executive Director of SCE. SCE began its glorious journey in the year 2001. It is approved and accredited by AICTE, New Delhi and is affiliated to VTU Belagavi, Karanataka. The campus of Sapthagiri College of Engineering is spread across 65 acres of lush green land with beautiful landscape. The area enjoys pleasant atmosphere throughout the year. The college has secured 22 University ranks and 4 Gold medals.

Vision

To create and maintain an enabling learning environment for the students to transform them as thorough professionals to meet diverse professional demands of global environments.

Mission

To provide quality education to the students to pursue courses in different engineering disciplines and to transform their professional dreams into reality and to offer competent budding professionals to the society.

About the Department:

The Department of Electronics and Communication Engineering (ECE), one of the evergreen and core departments in the Institution was established in the year 2001, is affiliated to Visvesvaraya Technological University (VTU), Belagavi and approved by All India Council for Technical Education (AICTE). The Department offers full-time UG programme in Electronics & Communication Engineering with an intake of 120, PG Programme in VLSI Design and Embedded systems with an intake of 24 and has research center offering Ph.D/M.Sc (Engg.) in Electronics and Communication Engineering recognized by VTU, Belagavi.

About the Faculty Development Programme:

Its objectives are

- To enhance the Professional skill in the faculty in the field of materials processing.

Topics Covered

- Introduction to embedded systems and its Importance and the need of embedded systems.
- Introduction to LPC1768
- Introduction to communication protocols viz. SPI, UART
- Introduction to motor drivers and related programs
- Introduction to DAC and ADCs

Resource Persons:

Prof. Agalya P

Assoc. Professor

Department of ECE, SCE, Bangalore
Qualification B. Tech. M.Tech. (PhD)

Prof. Karthik N C

Lecturer

Department of ECE, SCE, Bangalore
Qualification B. Tech. (MTech)

Address for Registration /Communication

Prof. Prathiba.P : 9448914448

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ACADEMIC YEAR 2017-2018

2017-18(EVEN)

**List of participants and Attendance FDP on " Embedded design using ARM cortex microcont
From 22nd Jan 2018 to 26th Jan 2018**

| Sl. No. | Name of the Faculty | 22/01/18 | | 23/01/18 | | 24/01/18 | | 25/01/18 | | 26/01/18 | |
|---------|---------------------|----------|----|----------|----|----------|----|----------|----|----------|----|
| | | FN | AN | FN | AN | FN | AN | FN | AN | FN | AN |
| 1 | Sandhya Rani.MH | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 2 | Shobha.S | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 3 | Shobha.H | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 4 | VANI.V | AA | AA | AA | AA | AA | AA | AA | AA | AA | AA |
| 5 | VANI.A | A | A | A | A | A | A | A | A | A | A |
| 6 | Jayadev.D.B | M | M | M | M | M | M | M | M | M | M |
| 7 | Preethi.T.S | Q | Q | Q | Q | Q | Q | Q | Q | Q | Q |
| 8 | Shilpa.V | X | X | X | X | X | X | X | X | X | X |
| 9 | Pradhibhap | V | V | V | V | V | V | V | V | V | V |
| 10 | Satish murthy | cy | cy | cy | cy | cy | cy | cy | cy | cy | cy |
| 11 | Suma.V. Shetty | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 12 | R.Vishankar.M.N | A | A | A | A | A | A | A | A | A | A |
| 13 | Shwetha.es | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 14 | Varshini.K | V | V | V | V | V | V | V | V | V | V |
| 15 | Thimmabai vedav | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 16 | Thillapavany | IS | IS | IS | IS | IS | IS | IS | IS | IS | IS |
| 17 | Sasmita molarappa | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 18 | Suma.C | A. | A. | A. | A. | A. | A. | A. | A. | A. | A. |
| 19 | Chaitra.P | Q | Q | Q | Q | Q | Q | Q | Q | Q | Q |
| 20 | Padmarathi | Q | Q | Q | Q | Q | Q | Q | Q | Q | Q |
| 21 | Anjali Patil | AA | AA | AA | AA | AA | AA | AA | AA | AA | AA |
| 22 | Agalya P | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 23 | Sudha M.S | PS | PS | PS | PS | PS | PS | PS | PS | PS | PS |
| 24 | Karthik N | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

Principal



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Five days Faculty Development Program Report on

“Embedded design using ARM cortex Microcontroller”

Date: 22-01-2018 to 26-01-2018

Time: 9 AM to 4PM

Venue: VLSI and Embedded Lab, SCE

RESOURCE PERSONS PROFILE:

1. Name: Prof. Agalya P

Assoc. professor

Department of ECE, , SCE Bangaluru

Qualification B. Tech. M.Tech. (PhD)

Professional Experience: She has more than 18 years of Teaching experience in various subjects in the field of Electronics and communication. She has Currently working as associate professor in the department of Electronics and Communication Engineering, Sapthagiri college of Engineering, Bengaluru. She has published various papers in National and International level conferences. She has been resource person for various workshops conducted in Sapthagiri college of Engineering.

2. Name: Karthik N C

Lecturer

Department of ECE, SCE, Bangalore

Qualification B. Tech. (MTech)

Professional Experience: He has more than 7 years of Teaching experience in various subjects in the field of Electronics and Communication. He is Currently working as Lecturer in the department of Electronics and Communication Engineering, Sapthagiri College of Engineering, Bengaluru. He has guided various real time projects and projects selected for state level competition

Summary Report:

Faculty development programme was conducted on “Embedded design using ARM cortex Microcontroller” from 24th July 2017 to 28th July 2017. The first day session started with introduction to embedded systems and its importance and the need of embedded systems. The next session is on

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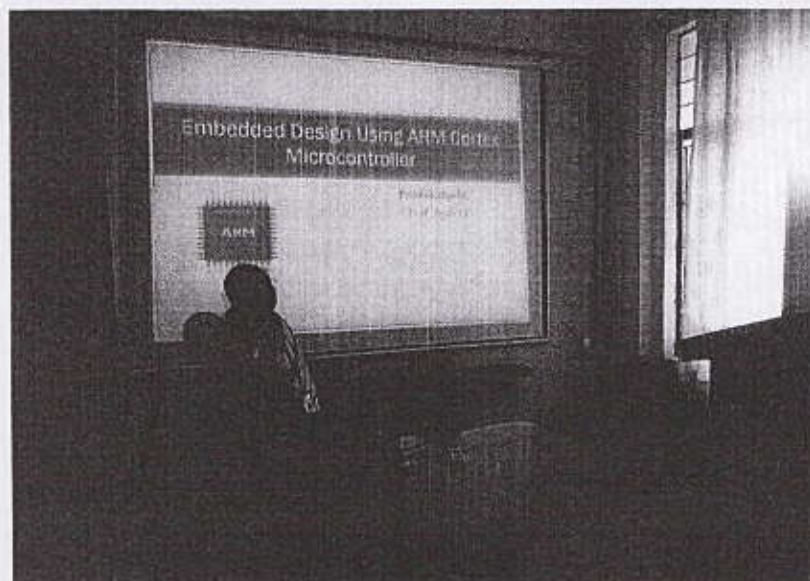
basic building blocks of embedded systems. Afternoon session started with introducing ARM microcontroller and followed by its application.

Second day first session started with the introduction to LPC1768 and in next session various blocks of LPC1768 was discussed. Afternoon first session there was a hands on experience on keil software usage and followed by introduction to embedded C.

Third day first session started with introduction to communication protocols viz. SPI, UART and in next session there was a brief discussion on I²C and CAN communication protocols. Afternoon first session started with embedded C programming to blink a LED followed by another program to establish communication between the UARTs.

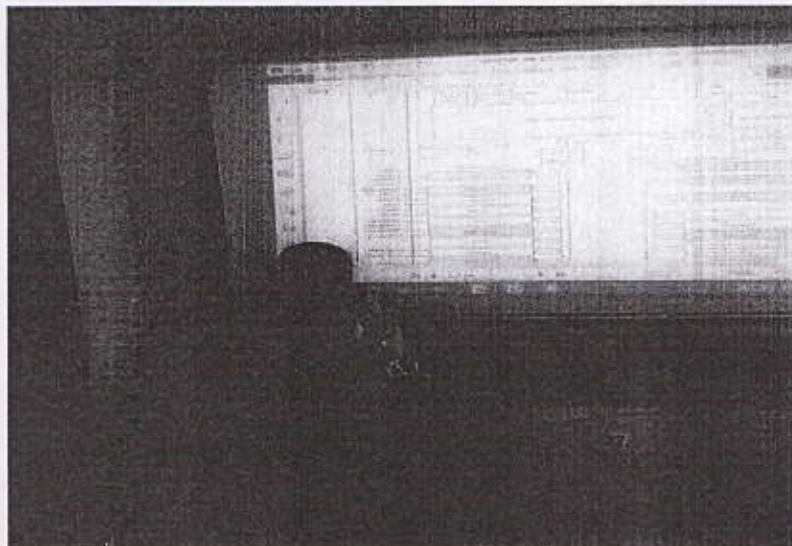
Fourth day first session started with introduction to motor drivers and related programs and in next session PWM and its application was discussed. Afternoon first session was started with embedded C programming to control the average voltage and their by DC motor. This session is followed by another embedded C program to change the direction of the motor.

Last day of FDP was started with the introduction to DAC and ADCs and in next session there was a discussion on external interrupts. Afternoon session started with programming the microcontroller to generate the waveforms and followed by another embedded program to demonstrate external interrupts. The session followed by question and answers where faculties interacted on questions about implementation of projects on Embedded in the campus. They also discussed about future in the domain. The FDP was useful and well appreciated by faculties. The session was concluded with vote of thanks and distribution of certificates to the participants.

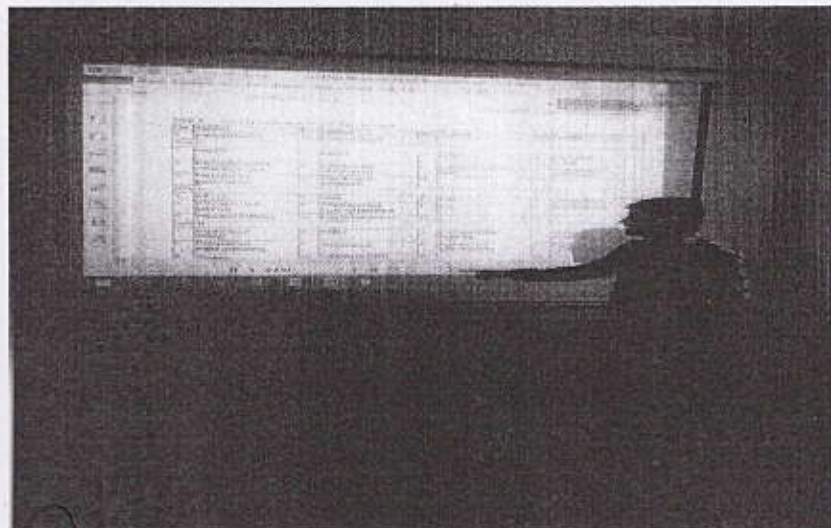


Prof. Agalya P introducing LPC1768 to Faculties


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Prof. Agalya P explaining the block diagram of LPC1768




Prof. Karthik N C explaining the pin functions of LPC1768



Faculties attending FDP


Chairman

Academic committee

 Head of the Department
Electronics & Communication
Sapthagiri College of Engineering
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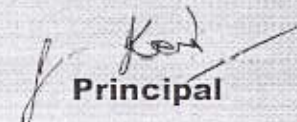
Certificate

This is to Certify that Mr./Mrs. Chaitra P of has participated and successfully completed Five days Workshop on Embedded design using ARM cortex Microcontroller from 22nd January to 26th January 2018 organized by the Electronics and Communication Engineering Department, Sapthagiri College of Engineering.


HOD

Dept. of ECE


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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Date: 17/01/2018

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Faculties are hereby informed that department is conducting following FDP:

Subject: "Digital Signal Laboratory"

Date: 22nd Jan 2018 to 26th Jan 2018

● All are requested to attend the FDP without fail.

HOD

Y Dept. of EEE

Principal

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Minutes of Meeting

A meeting of the academic committee was held on 19/01/2018 at HOD's office, Department of EEE.

Dr. K N Rav, Professor & Head chaired the meeting.

Committee discussed the syllabus, schedule, etc. to conduct five days FDP on "Digital Signal Laboratory" from 22nd Jan 2018 to 26th Jan 2018 and the same was approved by the HOD.

Detailed Syllabus & Schedule

DAY 1 - Date: 22/01/2018

| Time | Topics |
|----------------------------|---|
| 09:30 am To 11:00 am | Inauguration, Invocation, welcome speech, Introduction of resource person, presidential address |
| Tea Break | |
| 11:30 am To 1:30 pm | Introduction to the concept of Signal Processing, |
| Lunch Break | |
| 02:30 pm To 04:00 pm | Different methods of processing the signal, Merits & Demerits |

DAY 2 - Date: 23/01/2018

| Time | Topics |
|----------------------------|--|
| 09:30 am To 11:00 am | DTFS, & DTFT methods |
| Tea Break | |
| 11:30 am To 1:30 pm | Finding fourier transform using MATLAB programming- Hands on Session |
| Lunch Break | |
| 02:30 pm To 04:00 pm | Hands on Session (Continued) |

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DAY 3 – Date: 24/01/2018

| Time | Topics |
|----------------------------|--|
| 09:30 am To 11:00 am | Circular convolution methods using MATLAB – Hands on session |
| Tea Break | |
| 11:30 am To 1:30 pm | Windows: Introduction, Types, methodology |
| Lunch Break | |
| 02:30 pm To 04:00 pm | Filters, commands, Hands on session |

DAY 4 – Date: 25/01/2018

| Time | Topics |
|----------------------------|---|
| 09:30 am To 11:00 am | Windows: Hands on session |
| Tea Break | |
| 11:30 am To 1:30 pm | Fast Fourier Transform_ Methods: Hands on Session |
| Lunch Break | |
| 02:30 pm To 04:00 pm | Advanced DSP-Real Time Applications |

DAY 5 – Date: 26/01/2018

| Time | Topics |
|----------------------------|--|
| 09:30 am To 11:00 am | Industrial Applications of DSP |
| Tea Break | |
| 11:30 am To 1:30 pm | Recent Developments in MATLAB |
| Lunch Break | |
| 02:30 pm To 04:00 pm | Question / Answer session, Feed Back, Valedictory Function etc |

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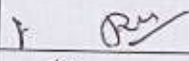
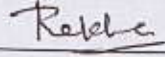

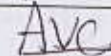
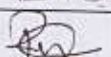
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Fax: 080-28 372797

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Academic Committee:

| Sl.No | Name | | Signature |
|-------|-------------------|----------|---|
| 1 | Dr. K N Ravi | Chairman |  |
| 2 | Prof Rekha S N. | Convenor |  |
| 3 | Prof A Dhamodaran | Member |  |
| 4 | Prof. Ashwini C | Member |  |
| 5 | Prof Ramya M | Member |  |


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REGISTRATION FORM
5 Days Faculty Development
Programme
on

“Digital Signal Laboratory”
FROM
22nd Jan to 26th Jan 2018

Name of the Participant:

.....

Gender:

.....

Department:

.....

Name & Address of Institution:

.....

.....

Address for Communication:

.....

.....

.....

Email ID:.....

Mobile:

Signature of
the Applicant

Signature & Seal of
the HOD/ Principal

Chief Patrons

Sri. G. Dayanand,
Chairman, Sri. Srinivasa Educational & Charitable Trust,
Sapthagiri Group of Institutions, Bengaluru

Sri. G.D. Balaji,
Executive Director, Sri. Srinivasa Educational
& Charitable Trust, Sapthagiri Group of Institutions

Sri. G.D. Manoj,
Executive Director, Sri. Srinivasa Educational
& Charitable Trust, Sapthagiri Group of Institutions

Patrons

Dr. Shivabasappa,
Principal, SCE, Bengaluru

Program Coordinator

Prof. S N Rekha
Assistant Professor., EEE, SCE, Bengaluru

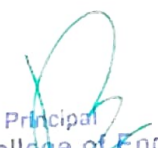
MEMBERS

Prof. Jhansi K.
Assistant Professor, EEE, SCE, Bengaluru

Prof. AShwini C.
Assistant Professor, EEE, SCE, Bengaluru

Prof. Ramya M.
Assistant Professor, EEE, SCE, Bengaluru

Prof. GuruPrasanna.
Senior Grade Lecturer, EEE, SCE, Bengaluru


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5 Days Faculty Development Programme
on

“Digital Signal Laboratory”
FROM
22nd Jan to 26th Jan 2018

Organized by
Department of
Electrical and Electronics
Engineering



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2017-18(EVEN)

List of participants and Attendance FDP on "Digital Signal Laboratory"

From 22nd Jan 2018 to 26th Jan 2018

| Sl. No. | Name of the Faculty | 22/01/18 | | 23/01/18 | | 24/01/18 | | 25/01/18 | | 26/01/18 | |
|---------|---------------------|----------|----|----------|----|----------|----|----------|----|----------|----|
| | | FN | AN | FN | AN | FN | AN | FN | AN | FN | AN |
| 1 | Dr. K. N. Ravi | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2 | RAMYA. M | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 3 | Poothe NP | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 4 | Ashwinie | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 5 | Nayanaj A. P | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 6 | A. Dhanodaran | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 7 | Guru Prasad | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 8 | Mahavishnu | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 9 | ASHWINI. A. V | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 10 | R. Lakshmanan | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 11 | Murali Krishna | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 12 | Shankar R | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 13 | Yousuf Nadeem | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 14 | Mr. Shirazaj. A | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 15 | Dinyan N S | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 16 | BHARATH. BN | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 17 | Swetha G | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 18 | Rekha S | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 19 | Muruli Krishna | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 20 | Shivalat | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

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Department of Electrical and Electronics and Engineering
FACULTY DEVELOPMENT PROGRAMME COMMITTEE

AY 2017-18(EVEN)

Report on FDP on “Digital Signal Laboratory”

Aiming to provide an additional skill and training on technical aspects of DSP, department conducted an FDP on “Digital Signal Laboratory” from 22nd Jan 2018 to 26th Jan 2018 by Prof Aghalya & Prof Shobha from ECE, SCE, as experts on the subject. The technical session was very helpful in enhancing the technical knowledge amongst the faculty members. Overall the faculties felt that the session was very informative & gain knowledge about the Insulators and its applications.




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Certificate

This is to certify that Mr./Ms. Ashwini C
of EEE has participated and
successfully completed 05 days Faculty Development Program on
"Digital Signal Laboratory" from 22/1/2018 to 26/1/2018 organized by
the Department of Electrical & Electronics Engineering, Sapthagiri
College of Engineering.

Dr. K N Ravi

HOD, Dept. of EEE

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CIRCULAR

15.1.18

All the faculties are hereby informed to attend the meeting in the HOD's office at 10.30AM on 16.1.18 to discuss the details of the FDP program conducted on Big data Analytics on 22.1.18.

H R Ravi

HOD ISE

Dr H.R. Ranganatha

Prof. & H.O.D

Dept. of Information Science & Engg.

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BENGALURU-560 057

Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

Minutes of Meeting

A meeting of all the faculties was held on 16-01-2018 at HOD's office, Department of ISE, Sapthagiri College of Engineering. Dr. H.R. Ranganatha, Professor & Head chaired the meeting and greeted all faculty.

In the meeting the schedule and budget of five days FDP on Big Data Analytics was discussed and approved by the HOD.

Detailed Schedule

Date: 22/01/2018

DAY 1

| Time | Topics |
|--------------------------|---------------------------|
| 2:30 pm To 4:00 pm | Introduction to big data. |

23/01/2018

DAY 2

| Time | Topics |
|----------------------------|--|
| 08:30 am To 10:15 am | Hadoop distributed File System Basics. |
| Tea Break | |
| 10:30 am To 12:30 pm | Example Programs |
| Lunch Break | |
| 01:30 pm To 03:00 pm | Benchmarks |
| Tea Break | |
| 03:15 pm To 04:00 pm | Map Reduce framework |



Principal

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DAY 3

Date: 24/01/2018

| Time | Topics |
|----------------------------|------------------------------------|
| 08:30 am To 10:15 am | Hadoop Yarn application |
| Tea Break | |
| 10:30 am To 12:30 pm | Managing Hadoop with Apache Ambari |
| Lunch Break | |
| 01:30 pm To 03:00 pm | Basic Hadoop Procedures |
| Tea Break | |
| 03:15 pm To 04:15 pm | Procedures and examples |

DAY 4

Date: 25/01/2018

| Time | Topics |
|----------------------------|--------------------------------|
| 08:30 am To 10:15 am | Business Intelligence concepts |
| Tea Break | |
| 10:30 am To 12:30 pm | Applications |
| Lunch Break | |
| 01:30 pm To 03:00 pm | Data Warehousing |
| Tea Break | |
| 03:15 pm To 04:15 pm | Data Mining |

Date: 26/01/2018

Day 5

| Time | Topics |
|----------------------------|--------------------|
| 08:30 am To 10:15 am | Data Visualization |
| Tea Break | |
| 10:30 am | Decision Trees |



Sapthagiri College of Engineering

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Phone: 080-28372800/1/2

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Fax: 080-28372797

| | |
|----------------------------|----------------------|
| To 12:30 pm | |
| Lunch Break | |
| 01:30 pm To 03:00 pm | Text Mining |
| 3.30- 4.30pm | Valedictory function |

Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

HOD

Dept. of ISE

Dr. H.R. Ranganatha

Prof. & H.O.D

Dept. of Information Science & Engg.

Sapthagiri College of Engineering

14/5 Chikkasandra, Hesaraghatta Main Road

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Phone: 080-28372800/1/2


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Fax: 080-28372797

CIRCULAR

19.1.18

Faculties are hereby informed to attend five days FDP on Big Data Analytics for our faculties from 22nd January 2018 to 26th January 2018.

HOD


Dept. of ISE

Dr. H.R. Ranganatha

Prof. & H.O.D

Dept. of Information Science & Engg.

Sapthagiri College of Engineering

14/5 Chikkasandra, Hesaraghatta Main Road

BENGALURU-560 057



Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057



Five Days FDP On
“Big Data Analytics”
FROM 22th Jan 2018 to 26th Jan 2018

Organized by
Department of
Information Science and
Engineering



Sapthagiri College of Engineering
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru
560057
Phone: 080-28372800/01/02/03

About the College

Sapthagiri Group of Institutions is the creation of Sri Srinivasa Educational & Charitable trust, Bengaluru. Sapthagiri College of Engineering is the brainchild of honorable Sri Giriappa, Founder Chairman and Sri. G. Dayanand, Chairman of Sri Srinivasa Educational & Charitable trust. Sri G.D. Manoj, is the Executive Director of SCE. SCE began its glorious journey in the year 2004. It is approved and accredited by AICTE, New Delhi and is affiliated to VTU Belagavi, Karnataka. The campus of Sapthagiri College of Engineering is spread across 6.5 acres of lush green land with beautiful landscape. The area enjoys pleasant atmosphere throughout the year. The college has secured 22 University ranks and 4 Gold medals.

Vision

To create and maintain an enabling learning environment for the students to transform them as thorough professionals to meet diverse professional demands of global environments.

Mission

To provide quality education to the students to pursue courses in different engineering disciplines and to transform their professional dreams into reality and to offer competent budding professionals to the society.

About the Department:

The Information Science and Engineering Department had its beginning in the year 2001 with an intake of 120 students, and is one of the pioneering departments at Sapthagiri College of Engineering. The Department has well qualified and dedicated faculty members, who always put in their best efforts to ensure that quality education is imparted to students. The Department will be striding in the progressive path to achieve excellence in academics and research activities.

Apart from the qualified faculty and staff, the Department has state-of-the-art laboratories and latest software's.

About the FDP:

Its objectives are

To enhance the skills of faculties in the field of Big Data Analytics.

To understand and learn to work with new, unstructured types of data.

Resource Persons:

Asha P.N
Asistant Professor
Department of Computer Science and Engineering
Pillappa College of Engineering
Bangalore

Address for Communication/Registration

Prof. Gayatri R
Assistant Professor, CSE
Ph: 8147290734

Prof. Rumya R.
Asistant Professor
Ph: 8884816537

Email-id for registration:

gayatrirkrishna@sapthagiri.edu.in

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore-560057

FDP on "Big Data Analytics" Attendance

| Sl No | Faculty Name | 22.1.18 | | 23.1.18 | | 24.1.18 | | 25.1.18 | | 26.1.18 | |
|-------|-----------------------|---------|----|---------|----|---------|----|---------|----|---------|----|
| | | MS | AS | MS | AS | MS | AS | MS | AS | MS | AS |
| 1 | Prof Veenā V | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2 | Prof Malathi K P | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 3 | Prof Ravichandra M ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 4 | Prof Ramya R ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 5 | Prof Bhavatarini ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 6 | Prof Vijay Kumar F G | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 7 | Prof Meghana | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 8 | Prof Vineetha B | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 9 | Prof Sheethal Raj | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 10 | Prof Sowmya Somnath ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 11 | Prof Sanjay Kumar ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 12 | Prof Gayatri R ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 13 | Prof Divyashree G ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 14 | Prof Bhavya A | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 15 | Prof Praneetha G N ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 16 | Prof Ambika S ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 17 | Prof Chaithra B.M ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

H.R. Ranganatha
HOD

Dr H.R. Ranganatha
Prof. & H.O.D

Dept. of Information Science & Engg.
Sapthagiri College of Engineering
#14/5, Chikkasandra, Hesaraghatta Main Road
BANGALURU-560 057

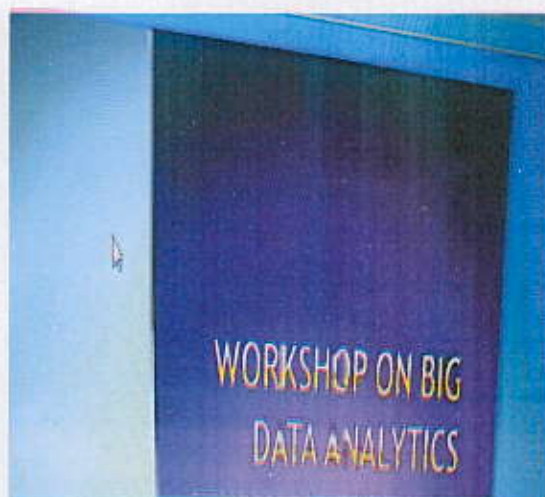
Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

Report on Big Data Analytics

No of Participants =17

Aiming to provide a Faculty Development Program on Big data Analytics for the faculties of Department of Information Science Engineering, Sapthagiri College of Engineering held during from 22nd January 2018 to 26th January 2018. The resource person for this FDP is Prof Asha P.N, Department of CSE, Shri Pillappa College of Engineering Bangalore. Overall the faculties felt that the session was informative & gained knowledge about Big Data Analytics and its applications. Faculties were able to analyze and systematically extract information with data sets that are too large and complex to be dealt with traditional data processing application software.



FDP on Big Data Analytics by Prof Asha P.N


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057


Coordinator

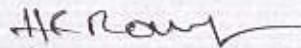



Sapthagiri College of Engineering

Bangalore-560057

Certificate

This is to Certify that Mr./Ms. MALATHI K. P
of Information Science and Engineering has participated
and successfully completed Five days Faculty Development Program on
"Big Data Analytics" from 22nd January, 2018 to 26th January,
2018 organized by the Department of Information Science &
Engineering, Sapthagiri College of Engineering.


HOD, Dept of IST


Principal

Sapthagiri College of Engineering
Chikkasandra, Hesarghatta Road,
Bangalore-560 057



**DEPARTMENT OF MECHANICAL ENGINEERING
SAPTHAGIRI COLLEGE OF ENGINEERING**

(Affiliated to Visvesvaraya Technological University Belagavi & Approved by AICTE, New Delhi.)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057.

Date: 13/01/2018

CIRCULAR

Mechanical Engineering faculty are hereby informing that there will be a faculty development programme entitled "**CFD and its Applications**" for five days on 22nd Jan. 2018 to 26th Jan. 2018. The interested candidates enroll your names with Mr. **Ramesh N G.**

HOD

Department of Mechanical Engineering

H.O.D. Dept. of Mech. Engg.
S.C.E., Bangalore-560 057

Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

Date: 13/01/2018

Minutes of Meeting

A meeting was conducted on 13th Jan. 2018 in Mechanical HOD office to discuss and finalize the following about the five days faculty development programme for mechanical engineering department. The following points have discussed in the meeting


- FDP program for Mechanical faculty on 22nd Jan. 2018 to 26th Jan. 2018.
- Programme Convener- Mr. Ramesh N G
- Certificate program entitled as **CFD and its Applications**.
- Course duration and Date

Course Content

| Date | Morning Session 9.30 a.m. to 12.30 p.m. | Afternoon Session 2.00 p.m. to 5.00 p.m. |
|------------|---|--|
| 22/01/2018 | Registration & Inauguration Function | Introduction to CFD , Governing equations, CFD principles and practices |
| 23/01/2018 | Different methods of solving the fluid flow and heat transfer problems | Writing MATLAB programs for the solution of Transcendental, Simultaneous algebraic equations |
| 24/01/2018 | Numerical differentiation and Integration, Tri-diagonal matrix using Thomas Algorithm | Incompressible Navier-Stokes equations, Solution of inviscid incompressible fluid flows |
| 25/01/2018 | ANSYS-FLUENT to solve the following problems of heat transfer analysis, Steady state conduction | Lumped heat transfer, Convective heat transfer |
| 26/01/2018 | Radiation heat transfer- Emissivity | Valedictory Function |

| | |
|--------------------|--|
| Dr. Tulsidas D | |
| Mr. RamKumar M | |
| Mr. Ramesh N G | |
| Mr. MadhuKumar Y C | |
| Mr. ArunKumar R | |
| Mr. Padmanabha G | |
| Miss Prathima C N | |
| Mr. Mahesha S | |


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057


H.O.D. Dept. of Mech. Engg
S.C.E., Bangalore-560 057

About the College

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Vision

To be a best institution imparting quality engineering education to deal with community needs through learning and performance.

Mission

To implement path breaking student centric education methods. -To augment talent, nurture teamwork to transform to develop individual as responsible citizen. -To educate the students and faculties about entrepreneurship to meet vibrant requirements of the society. -Strengthen Industry-Institute Interaction for knowledge sharing.

Chief Patrons

Sri. G. Dayanand,
Chairman, Sri. Srinivasa Educational & Charitable Trust, Sapthagiri Group of Institutions, Bengaluru

Sri. G.D. Balaji,
Executive Director, Sri. Srinivasa Educational & Charitable Trust, Sapthagiri Group of Institutions

Sri. G.D. Manoj,
Executive Director, Sri. Srinivasa Educational & Charitable T, Sapthagiri Group of Institutions

Patron

Dr. Shivabasappa K L
Principal, SCE, Bengaluru

Convener

Dr.P Mahadevaswamy
Prof.& HOD, Dept. of ME, SCE, Bengaluru

FDP Coordinator

Mr. Ramesh N G
Asst. Professor, SCE, Bengaluru

Faculty Development Programme

On

CFD and its Applications

On

22nd -26th January 2018

Organized by

Sapthagiri College of Engineering
Department of Mechanical Engineering

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru 560057

Phone: 080-28372800/01/02/03



About the FDP:

This Faculty Development Training Program is intended to provide opportunity for teachers employed in AICTE approved and Anna University affiliated institutions for teaching and upgrading their knowledge in the area of Composite Materials and Mechanics. The program will be very useful for those who are involved in teaching the course Composite Materials and Mechanics at UG level. This will also provide a basic platform for a faculty who is willing to carry out research in this area. Computational Fluid Dynamics (CFD) is a methodology for computer simulation of fluid mechanics and heat transfer problems. The simulation results in prediction of the flow fields in the domain of interest are very useful in the design and optimization of processes and equipment. CFD has become widely used and universally accepted procedure in many academic and industrial sectors. This workshop offers excellent guidance on how to write CFD codes and to use CFD simulation-software.

Resource Persons:

Prof. Basavaraju S
Assistant Professor,
Department of Mechanical Engineering
Acharya Institute of Technology Bangalore

Prof. Shivamurali Mohan Reddy A
Assistant Professor
Department of Mechanical Engineering
P E S Institute Technology Bangalore

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560057

DEPARTMENT OF MECHANICAL ENGINEERING
SAPTHAGIRI COLLEGE OF ENGINEERING

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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057.

FDP ON
CFD and its Applications
Attendance

| Sl. No. | Name | 22-01-2018 | | 23-01-2018 | | 24-01-2018 | | 25-01-2018 | | 26-01-2018 | |
|---------|-------------------|------------|----|------------|----|------------|----|------------|----|------------|----|
| | | MS | AN | MS | AN | MS | AN | MS | AN | MS | AN |
| 1 | Dr. MahadevaSwamy | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 2 | Arun Kumar. R | 1 | 2 | 3 | 4 | 5 | 5 | 6 | 7 | 8 | 9 |
| 3 | Dr. Tulsidas. D | 1 | 2 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 4 | Ullas. C.S | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 5 | G.R. Jagannath | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 6 | PRAMOD. S.V | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 7 | 8 | 9 |
| 7 | Ram Kumar. M | 1 | 2 | 3 | 4 | 4 | 5 | 6 | 7 | 8 | 9 |
| 8 | A.M. Mahesh | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 8 | 9 |
| 9 | MadhuKumar. Y | 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | Ramesh. NG | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | Basavaraj Ganiger | 1 | 2 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 12 | Mahesh. S | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 13 | Chetan. B.P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 14 | Nataraj | 1 | 2 | 3 | 4 | 4 | 5 | 6 | 7 | 8 | 9 |
| 15 | P.R. Rao | 1 | 2 | 3 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 16 | Tilak. S | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 17 | Rajalakshmi | 1 | 2 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 18 | Prathima. C.N. | 1 | 2 | 3 | 4 | 5 | 5 | 6 | 7 | 8 | 9 |
| 19 | T. Venkatesgowda | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 20 | Sanjay. H.M | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bengaluru-560 057

Signature of Convener

REPORT

FDP on CFD and its Applications

Department of mechanical Engineering organized FDP on CFD and its Applications

Speakers

Prof. Basavaraju S, Associate Professor, Department of Mechanical Engineering, Acharya Institute of Technology Bangalore

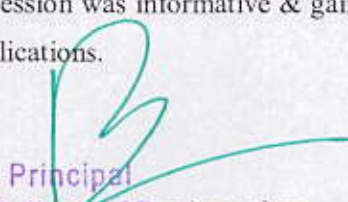
Prof. Shiva Muralee Mohan Raddy, Assistant Professor, Department of Mechanical Engineering, P E S Institute of Technology Bangalore

Duration of the course: Jan.22nd 2018 to Jan. 26th 2018

| Date | Morning Session 9.30 a.m. to 12.30 p.m. | Afternoon Session 2.00 p.m. to 5.00 p.m. |
|------------|---|--|
| 22/01/2018 | Registration & Inauguration Function | Introduction to CFD , Governing equations,CFD principles and practices |
| 23/01/2018 | Different methods of solving the fluid flow and heat transfer problems | Writing MATLAB programs for the solution of Transcendental, Simultaneous algebraic equations |
| 24/01/2018 | Numerical differentiation and Integration, Tri-diagonal matrix using Thomas Algorithm | Incompressible Navier-Stokes equations, Solution of inviscid incompressible fluid flows |
| 25/01/2018 | ANSYS-FLUENT to solve the following problems of heat transfer analysis, Steady state conduction | Lumped heat transfer, Convective heat transfer |
| 26/01/2018 | Radiation heat transfer- Emissivity | Valedictory Function |



The FDP intended to provide an intense discussion on CFD and its Applications, The faculty members felt that the session was informative & gained knowledge about computational fluid dynamics software applications.


Principal
Sapthagiri College of Engineering
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Bangalore- 560 057


Signature of the Convener

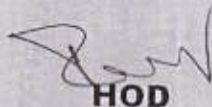
Sapthagiri College of Engineering

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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057.




Certificate

This is to Certify that Mr./Mrs. PRATHIMA CN of has participated and successfully completed Five days Workshop on "CFD and its Applications" from 22nd Jan 2018 to 26th Jan 2018 organized by the Mechanical Engineering Department, Sapthagiri College of Engineering.


HOD

Dept. of ME


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057


Principal



Sapthagiri College of Engineering

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Fax: 080-28372797

Internal Quality Assurance Cell

Date: 30/12/2017

To,

The PRINCIPAL

Sapthagiri College of Engineering

Bengaluru-560057

Through,

IQAC HEAD

Sapthagiri College of Engineering

Bengaluru-560057

Respected Sir,

SUBJECT: Permission for conduction of One day workshop on Latest Trends in Cyber Crimes/Security

To create awareness about the Cyber-crimes and secure the personal information on social network among faculties, we are planning to conduct one day workshop for our faculties from IQAC on 18th January, 2018 titled as "Latest Trends in Cyber Crimes/Security" by Sri K. Venkatesh Murthy, Deputy Director, Data Security Council of India, Bengaluru. Hence in this regard on behalf of IQAC I request you for the permission of conduction of the same

Thanking you

Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bengaluru- 560 057

IQAC Co-ordinator

INVITATION

Cordially invite all for

One day Workshop on

“Latest Trends in Cyber Crimes/Security”

On

18th January, 2018

Resource Person

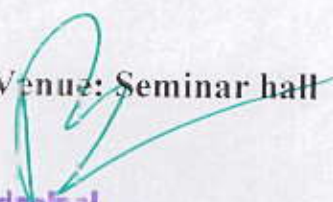
Sri. K.Venkatesh Murthy

Deputy Director

Data Security Council of India

Bengaluru.

Venue: Seminar hall Time :9:00 AM


Principal
Sapthagiri College of Engineering
Chikkana Road,
Bangalore - 560 007



Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

#14/5, Chikkasandra, Hesaraghatta Main Road Bengaluru - 560057

Phone: 080-28372800/1/2

www.sapthagiri.edu.in

Fax: 080-28372797

Internal Quality Assurance Cell

Date: 3/1/2018

Circular

It is to the information of all faculties that there is one day workshop on "Latest Trends in Cyber Crimes/Security" on 13th January, 2018. So all the faculties are requested to attend the program in the seminar hall of administrative block from 9.00am.

Coordinator

CC:

1. The Principal, for Kind information
2. To All HODs
3. Notice Boards
4. IQAC file

Chairman

Principal

Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bengaluru - 560 057



Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057
Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

One day workshop on "Latest Trends in Cyber Crimes/Security"

On

January 18th 2018

Programme schedule:

| DATE/DAY | TIME | EVENT, SPEAKER & TOPIC COVERED | VENUE |
|------------------------|--------------------|--|------------------------------------|
| 18/01/2018 THURSDAY | 9:00 AM-9:30 AM | Inaugural Function | Administrative Block -Seminar Hall |
| | 9:30 AM -10:40 am | Key Note by K Venkatesh Murthy | |
| | 10:40 am -11:00 am | Tea Break | |
| | 11:00 am -1:00 pm | Lecture-1: K Venkatesh Murthy <ul style="list-style-type: none">• Introduction• Traditional vulnerability assessments | |
| | 1:00 pm- 2:00pm | Lunch Break | |
| | 2:00pm -4:00 pm | Lecture-2: K Venkatesh Murthy <ul style="list-style-type: none">• Current NRC regulations | |

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057
Phone: 080-28372800/1/2 Fax: 080-28372797

REGISTRATION FORM

One day FDP
on

**"Latest Trends in Cyber
Crimes/Security"**

18 Jan 2018

Name of the Participant:

.....

Gender:

.....

Department:

.....

Name & Address of Institution:

.....

.....

Address for Communication:

.....

.....

.....

Email ID:.....

Mobile:

Signature of the
Applicant

Signature & Seal of the
HOD/ Principal

About the College

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Resource Person:

Dr. Sripad Markande

Dean Academics of Alliance University

Chief Patrons

Sri. G. Dayanand,

Chairman, Sri. Srinivasa Educational & Charitable Trust, Sapthagiri Group of Institutions, Bengaluru

Patrons

Dr. Aswatha Kumar M

Principal, SCE, Bengaluru

Program Coordinator

Dr. B S Krishna

Professor & Head

Dept of chemistry

Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560057

SAPTHAGIRI
College of Engineering

One Day Faculty Development
Programme

on

Latest Trends in cyber crimes/Security

18 Jan 2018

Organized by
IQAC



Sapthagiri College of Engineering

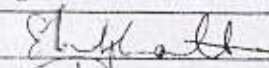
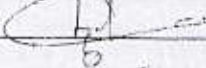
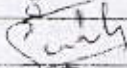


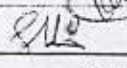
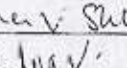


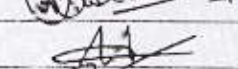


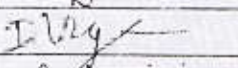
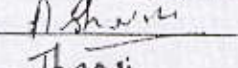
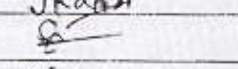
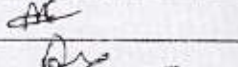
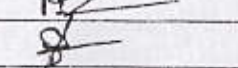
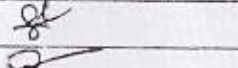

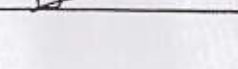



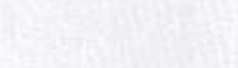



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Bengaluru 560057

Phone: 080-28372800/01/02/03

SAPTHAGIRI COLLEGE OF ENGINEERING

Attendance report of Latest Trends In Cyber Crime/Security

18/1/2018

| S.No | Name of the Faculty | Signature |
|------|---------------------|--|
| 1 | Shobha Hegar |  |
| 2 | P. Aradhya |  |
| 3 | Shobha S |  |
| 4 | Sudha M.S |  |
| 5 | Vani A |  |
| 6 | Prathibha P |  |
| 7 | Vasanthi K |  |
| 8 | Sangeeta Siri |  |
| 9 | Suma V Shetty |  |
| 10 | S. N. V. |  |
| 11 | Preeti T.S |  |
| 12 | Karthick N.C |  |
| 13 | Ravi Shankar M.N |  |
| 14 | Vani V |  |
| 15 | Satish Murthy |  |
| 16 | Sasmita M |  |
| 17 | Ramya M |  |
| 18 | Durga N.S |  |
| 19 | Ashwini C |  |
| 20 | Jhansi K |  |
| 21 | Shilpa M |  |
| 22 | Amritha A |  |
| 23 | Abhishek K.L |  |
| 24 | Smrithi G |  |
| 25 | Supriya S |  |
| 26 | Bhanya N.P |  |
| 27 | Finda M.G |  |



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Phone 080-28 372800/1/2 Fax: 080-28 372797

Report on Workshop

Latest Trends in Cyber Crimes/Security

January 18th, 2018

The workshop was inaugurated by K. Venkatesh Murthy, Deputy Director, Data Security Council of India, Bengaluru and was followed by keynote delivery regarding the importance to know about what is cybercrime and how it can be prevented to some extent.

Cyber Crimes:

Cybercrime can be committed against an individual or a group; it can also be committed against government and private organizations. It may be intended to harm someone's reputation, physical harm, or even mental harm.

Cybercrime can cause direct harm or indirect harm to whoever the victim is. However, the largest threat of cybercrime is on the financial security of an individual as well as the government.

Cyber Security:

Cyber security is a potential activity by which information and other communication systems are protected from and/or defended against the unauthorized use or modification or exploitation or even theft. Cybersecurity is a well-designed technique to protect computers, networks, different programs, personal data, etc., from unauthorized access.

All sorts of data whether it is government, corporate, or personal need high security; however, some of the data, which belongs to the government defense system, banks, defense research and development organization, etc. are highly confidential and even small amount of negligence to these data may cause great damage to the whole nation. Therefore, such data need security at a very high level.

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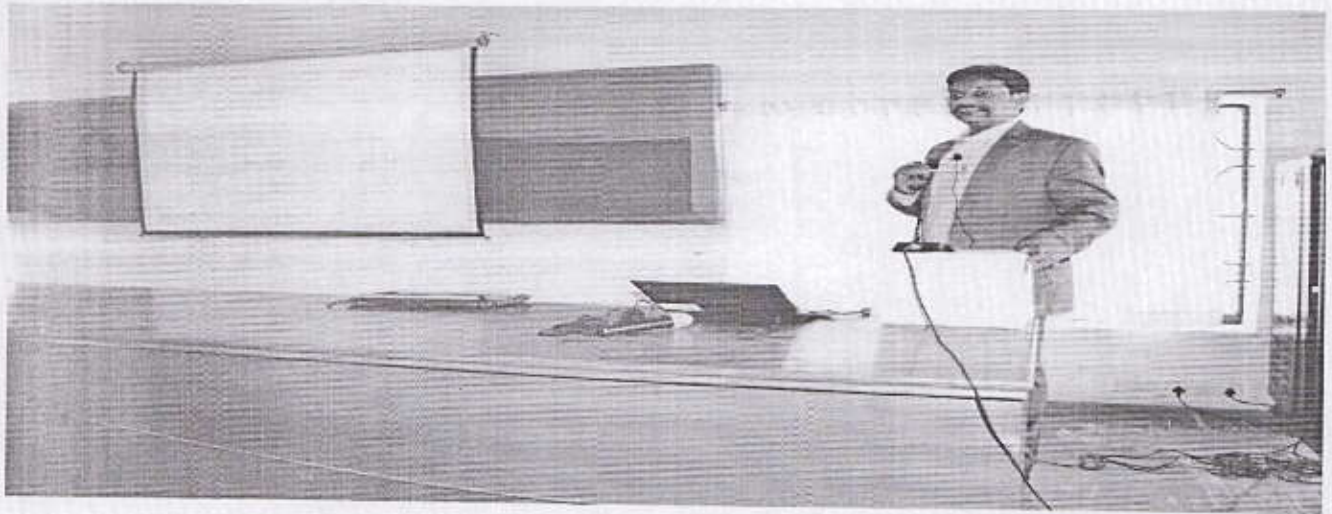
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Mr. Venkatesh Murthy creating awareness about cyber crime and how it can be secured.

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Date: 11/12/2017

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Office staff are hereby informed about Chemistry department is conducting Staff development program on personality development for one day on 15/12/2017. All office staff participate in staff development program.



HOD

Dept. of Chemistry

Dr. B.S. Krishna

Professor & HOD

Department of Chemistry

Sapthagiri College of Engineering

Bangalore - 560 057



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Workshop on Personality Development Program Time Schedule

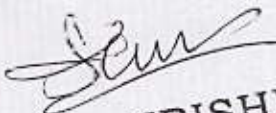
Speaker: Dr. Krishna B S

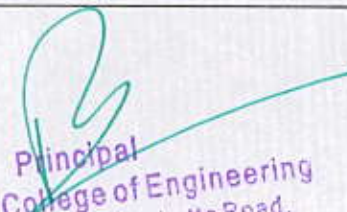
Prof. & Head, Department of Chemistry

Sapthagiri College of Engineering, Bangalore-560057

Date: 15/12/2017

| Time | Topics |
|----------------------------|---|
| 10:30 am To 12:30 pm | Self-Understanding, Strengths / Weaknesses |
| Lunch Break | |
| 01:30 pm To 04:30 pm | Communication, Motivation, Confidence, Leadership |


Dr. B.S. KRISHNA
Professor & Head
Department of Chemistry
Sapthagiri College of Engineering
BENGALURU - 560 057.


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road.
Bangalore - 560 057



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"Workshop on Personality Development - *CAPACITY BUILDING*"

By

Dr. Krishna B S

Professor and Head, Department of Chemistry

Date: 15/12/2017

Organized by:

SAPTHAGIRI COLLEGE OF ENGINEERING

Principal

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Bangalore-560 057



Sri Srinivasa Educational & Charitable Trust
SAPTHAGIRI COLLEGE OF ENGINEERING

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Chikkasandra, Hesaraghatta Road, Bangalore-560057

Workshop on Personality development capacity building

Attendance sheet

| Sl. No. | Name of office staff | Date:15.12.17 Morning session | Date:15.12.17 Afternoon session |
|---------|----------------------|----------------------------------|------------------------------------|
| 1 | Maha akshmi R | <i>ma</i> | <i>ma</i> |
| 2 | Padmashree G | <i>P</i> | <i>P</i> |
| 3 | NayanaRangaraj | <i>Nayana Rangaraj</i> | <i>Nayana Rangaraj</i> |
| 4 | Ramesh M | <i>Ramesh M</i> | <i>Ramesh M</i> |
| 5 | Hanume Gowda K H | <i>Hanume Gowda</i> | <i>Hanume Gowda</i> |
| 6 | Rajanna N | <i>Rajanna</i> | <i>Rajanna</i> |
| 7 | Jayashree B L | <i>JL</i> | <i>JL</i> |
| 8 | Sayesuthe A M | <i>A.M. Sayesuthe</i> | <i>A.M. Sayesuthe</i> |
| 9 | Jyothirmayee P H | <i>Jyot</i> | <i>Jyot</i> |
| 10 | Nagarathna M V | <i>NM</i> | <i>NM</i> |
| 11 | Suma B | <i>Suma</i> | <i>Suma</i> |

[Signature]
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Report of Personality Development Program

Introduction

This talk on Personality Development is focused on achieving confidence of personality of any individual. As an office staff it is mandatory for one to have confidence in every stage and situation. The Personality Development Programme gave this opportunity to the office staff to enhance their confidence and body language. The Personality Development Programme summarized the aspects relating to the Confidence, Communication Skills, Choice, body language, social skills, etc. This Personality Development Programme intended to orient participants towards developing their own ideas with due attention to every stage of their life.

Objectives

The major objectives kept in mind while framing this Personality Development Programme were as follows:

- It offers an improving personality.
- To make you credible.
- To help to develop positive attitude.
- To give confidence.
- To be a patient listener.
- To develop leadership qualities.

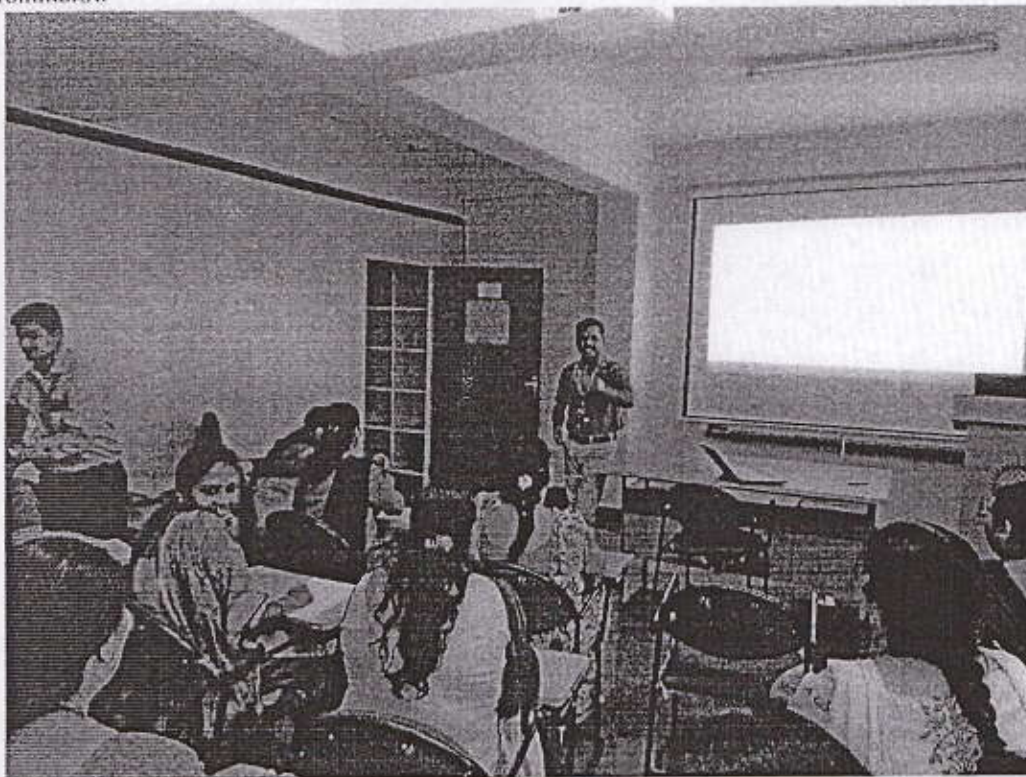
The programme was attended by 11 participants on 15/12/2017 from Sapthagiri College of Engineering. Attendees included only Office staff from varied background. While designing the structure of the programme it was kept in mind that there are going to be people from different background that's why emphasis was given talk on Personality Development as a whole not pertaining to one single field so that maximum can be benefitted out of it.

Summary

The speaker explained what Personality Development was all about. He connected speech and personality development is one of the most important aspects of an individual especially during his/her formative years. Developing and enhancing our communication and speech helps us to be better presenters of our ideas. At the same time, personality development is a means and a method that helps us to develop our persona such that we can become better, smarter and brighter individuals. Everyone loves personalities that are attractive, intelligent, smart and witty. This cannot be achieved overnight. One needs to work towards one's personality so that one can become more acceptable in society such that one can fulfill our need of being wanted by our near and dear ones.


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Speaker: Dr. Krishna B S, HOD of Chemistry

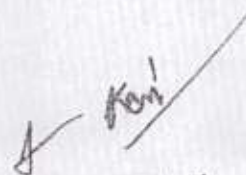
Topic: Personality Development

Morning session: Presentation

Afternoon session: Group Discussion



Dr. B.S. Krishna
Professor & HOD
Department of Chemistry
Sapthagiri College of Engineering
Bangalore - 560 057



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Certificate

This is to certify that Mr. /Ms. Suma B
of Sapthagiri College of Engineering has participated and successfully
completed one day Staff Development Program on "Personality Development"
organized by the Department of Basic Science, Sapthagiri College of Engineering
held on 15/12/2017 (Friday)


Dr. B S Krishna

HOD, Dept. of Chemistry


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
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To,

Dr. P Mahadevaswamy
Professor and Head
Department of Mechanical Engineering
Sapthagiri College of Engineering.

Dear Sir,

Sub:Seminar on Research Methodology (RM).

The Sapthagiri College of Engineering is arranging seminar on Research Methodology (RM). We request you to kindly arrange for the lecture. The subject will be of interest to the Engineering college faculties. As per your request, Transport will be arranged for Pick-up and drop of the guest lecturer. The details of the event is provided below.

Date:06.11.2017

Time: 2PM to 4PM

Venue: Seminar Hall, Faraday Block

Thanking you,



Dr. KN Ravi
Professor and Head
Department of Electrical and Electronics Engineering
Sapthagiri College of Engineering
Bengaluru



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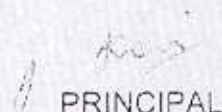
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CIRCULAR

The college is organizing seminar on "Research Methodology and technical writing for research scholars" by **Dr. P Mahadevaswamy** on 06.11.2017 from 2PM to 4 PM in Seminar Hall, Faraday Block.

Hence hereby informing all faculties to attend the same.


PRINCIPAL

Principal

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Report on the Technical talk

Topic: "Research methodology and technical writing for Research scholars"

By

Dr. Mahadevaswamy

Professor and Head

Department of Mechanical Engineering

Sapthagiri College of Engineering

Bengaluru.

Date: 06.11.2017

Time: 3 PM to 4.30 PM

Venue: Seminar Hall, Faraday Block, SCE Bengaluru.

The core objective of the workshop was to equip the research scholars with set of skills and potentiality to undertake the research very effectively in the disciplines of engineering and to turn completed research into publishable material of high quality in the form of articles, journals and books.

The session started with welcoming the gathering and introduction of the speaker by Prof. Ravishankara MN, Associate Professor, Department of Electronics and Communication Engineering. The speaker Dr. P Mahadevaswamy, who has vast experience in administration, academics and research. He has more than 25 years of teaching experience in Engineering colleges, in teaching UG and PG courses and worked in various capacities.

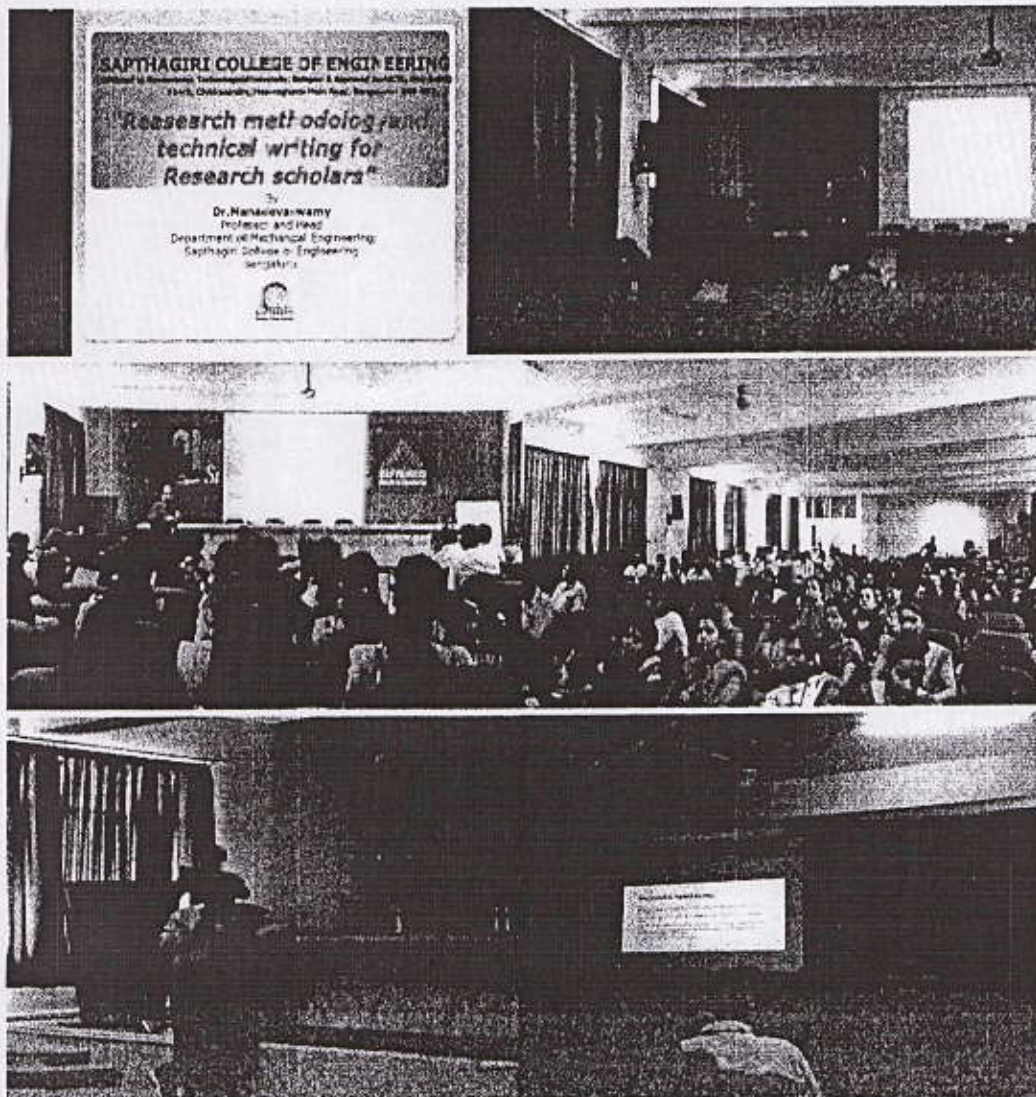
The workshop was designed to offer the practical guidelines and direct the researchers through all the stages of research from identifying a research problem to the


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submission of a dissertation, report writing and research article. The course intends to deal with variety of quantitative and qualitative research methods used in social science researches. The workshop consists of both theory and practical case studies. By the end programme they are expected to develop conceptual clarity and practical knowledge to undertake quality research and writing good research papers field-reports and project proposals etc.

Photo Gallery



[Signature]
Dr. KN Ravi
HOD EEE

[Signature]
Dr. Aswatha Kumar M
Principal

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[Signature]
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Attendance Report of "Research Methodology and Technical Writing for Research Scholars"

Date: 06.11.2017

| Sl No | Name | Department | Signature |
|-------|-------------------|------------|-----------------|
| 1 | Sushila M.S | ECE | Sushila |
| 2 | Sangeeta Devi | ECE | Sangeeta |
| 3 | Shobha S | ECE | Shobha |
| 4 | Suma V Shetty | ECE | Suma |
| 5 | SHILPA V | ECE | Shilpa |
| 6 | Muruganarayanan M | Maths | Murugan |
| 7 | Chaitra | CSE | Chaitra |
| 8 | Rishi S V | EEE | Rishi |
| 9 | A. Latha | CSE | A. Latha |
| 10 | Shobha H | ECE | Shobha |
| 11 | Dr Soumya C | BT | Dr Soumya |
| 12 | Dr. Roopa K. P. | Chc | Dr. Roopa |
| 13 | Preeti S | ECE | Preeti |
| 14 | Suma C | ECE | Suma |
| 15 | Padmanabhi C | ECE | Padmanabhi |
| 16 | Divya N.S | EEE | Divya |
| 17 | Ashwini C | EEE | Ashwini |
| 18 | Ashwini A.V | EEE | Ashwini |
| 19 | Ramya M | EEE | Ramya |
| 20 | Ashwini A.V | EEE | Ashwini |
| 21 | Haritha MR | EEE | Haritha |
| 22 | Preeti NP | EEE | Preeti |
| 23 | Prathima C.V | ME | Prathima |
| 24 | Narmada V | Physics | Narmada |
| 25 | Shashikala B.S | Physics | Shashikala |
| 26 | Simika S | ISE | Simika |
| 27 | Chaitra BM | " | Chaitra |
| 28 | Praneetha GN | " | Praneetha |
| 29 | A. Dharmadharan | EEE | A. Dharmadharan |
| 30 | Kanya H.L | CSE | Kanya |
| 31 | Murugan B | CSE | Murugan |
| 32 | Lalitha | CSE | Lalitha |
| 33 | Madhusree | CSE | Madhusree |
| 34 | Shilpa | CSE | Shilpa |
| 35 | D. Vyashree G | TSE | D. Vyashree |
| 36 | Rishika | TSE | Rishika |

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Phone: 080-28 372800/1/2 -228 Fax: 080-28 372797

To,

Mr. Ananth
Advocate,
Bengaluru,

Dear Sir,

Sub: Technical Talk on Intellectual Property Rights(IPR).

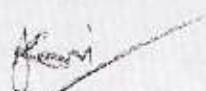
The Sapthagiri College of Engineering is arranging technical talk on Intellectual Property Rights(IPR). We request you to kindly arrange for the lecture. The subject will be of interest to the Engineering college faculties. As per your request, Transport will be arranged for Pick-up and drop of the guest lecturer. The details of the event is provided below.

Date: 02.08.2017

Time: 2PM to 4PM

Venue: 406, Academic Block

Thanking you,


Dr. KN Ravi

The HOD and IPR Convenor
Department of Electrical and Electronics Engineering
Sapthagiri College of Engineering
Bengaluru


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Sapthagiri College of Engineering
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CIRCULAR

The college is organizing talk on "Issues related to patent laws" by **Mr. Ananth** on 02.08.2017 from 2PM to 4PM in Room No 406 Academic block.

Hence hereby informing all faculties to attend the same.


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Phone: 080-28 372800/1/2 -228 Fax: 080-28 372797

Report on Intellectual Property Rights *Topic: "Issues related to patent laws"*

By

Mr. Ananth

Advocate,

Bengaluru.

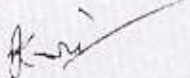
Date: 02.08.2017


Time: 2 PM to 4 PM

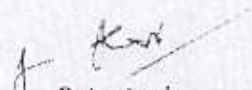
Venue: Room No 406, SCE Bangalore.

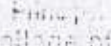
The workshop commenced with welcoming the gathering by Prof. Rekha Dept of EEE and talks about the functions of IPR and Dr. KN Ravi, HOD EEE & IPR Convener narrated the objectives of the workshop. The faculties of all the department of SCE participated in the programme.

The Speaker Mr. Ananth adviser to IPR for several organizations gave his remarks regarding IPR and cited very interesting case studies. He made the participants aware about patent searching and patentability assessment of inventions. He gave a very interesting interactive talk on Copyright protection and infringement, do's and don'ts to avoid infringement and Plagiarism. Importantly he discussed various examples of case laws and suits and various issues such as plagiarism, ethical issues, code of conduct for researchers, scanning of publications for potential IP prior to publication etc were discussed which were found to be very useful by the participants.


Dr. KN Ravi
HOD EEE


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Sapthagiri College of Engineering
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Principal


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Phone: 080-28 372800/1/2 -228 Fax: 080-28 372797

Attendance Report of talk on "Issues related to patents laws"

Date: 02.08.2017

| Sl No | Name | Department | Signature |
|-------|---------------------|------------|-----------|
| 1 | S. SITHA | ECE | |
| 2 | Shilpa. M | CSE | |
| 3 | Vani A | EC | |
| 4 | Ashwini. L | EEE | |
| 5 | Vinay. M. C | EC | |
| 6 | Prathibha. T. S | ECE | |
| 7 | Karthik. M. C | ECE | |
| 8 | Sachin. M. S | ECE | |
| 9 | Prathibha. P | ECE | |
| 10 | SHILPA. V. | ECE | |
| 11 | SANGEETA K. S. R | ECE | |
| 12 | RAVI SHANKAR. A. N | ECE | |
| 13 | SUMA. V. S. R | ECE | |
| 14 | Sunil. C | ECE | |
| 15 | Nanda. M. B | CSE | |
| 16 | Chaitra | CSE | |
| 17 | Madhusree | CSE | |
| 18 | Kanya. N. L | CSE | |
| 19 | Chaitra | CSE | |
| 20 | Karishma | CSE | |
| 21 | Veena. K. R | CSE | |
| 22 | Anuradha. B | CSE | |
| 23 | Prof. Beena Chaitra | ISE | |
| 24 | Ravi. K. R. M | ISE | |
| 25 | Sanjay Kumar. J. H | ISE | |
| 26 | Varsha. R | ISE | |
| 27 | Sayanthi. R | ISE | |
| 28 | Bhanya. N. P | Maths | |
| 29 | Roopa. K. R | Maths | |
| 30 | Mamatha. M | Maths | |
| 31 | Radhika. C | ECE | |
| 32 | RAMIA. M | ECE | |
| 33 | Hrishika. M. R | ECE | |
| 34 | Prathiba. N. D | ECE | |
| 35 | Yasmita. M. R | ECE | |

Principal


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Bangalore- 560 057

Date: 06/07/2017


Meeting Circular

A meeting is schedule on 08/07/2017 (Saturday) at 10:00 PM in HOD Cabin, Department of Chemistry. This meeting is discussion regarding conduction of FDP.

HOD 
Dr. B.S. KRISHNA
Professor & Head
Department of Chemistry
Sapthagiri College of Engineering
BENGALURU - 560 057.

Copy To,

1. HOD of Physics 
2. HOD of Biotechnology 


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

Date: 22-7-2014

Circular

Faculty of Department of Biotechnology and Department of Basic science are here by informed to attend five days faculty development programme titled as **Regulatory affairs in Pharma industries** from 24-7-2017 to 28-07-2017. All the Faculty register their names with Faculty Coordinator **Prof Roopa KP, Dept of Chemistry**.

HOD

Department of Chemistry

Professor & Head

Department of Chemistry

Copy To,

Sapthagiri College of Engineering
BENGALURU - 560 057

1. HOD of Physics

2. HOD of Biotechnology

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Department of Biotechnology and Department of Basic Science

Organised Five days Faculty Development Programme

ON

REGULATORY AFFAIRS IN PHARMA INDUSTRIES

24-7-2017 to 28-7-2017

SCHEDULE

| Time | 10:00AM-10:30PM | 11:00AM-12:30PM | 2:00 pm to 4.00 PM |
|------------------------|---|---|--|
| 24-7-2017 Tuesday | FDP Inaugural Function Regulatory agencies for Pharma Industries Dr. Shiva Reddy Scientist, Bioneeds | | Process validation Sunil Sukruthraj Product Owner, Thermofisher |
| 25-7-2017 Wednesday | International regulatory process Mrs. Vishika Hegde, Manager in Regulatory Systems, NOVO NORDISK | ISO 14001 with reference to Pharma industry Mrs. Usha T AP, Mlacw | Internal audit protocol Mr. Gaurab Banerjee, COO, Molsys |
| 26-7-2017 Thursday | Commissioning of Pharma Industries Prof. Prashanth Kumar H P AP, SCE | Finding of people who leads Mr Alagar Nachi, Manger, Biotechnika | Panel discussion on approving agencies for drugs |
| Friday 27-7-2017 | Company Visit Dr Hemalatha, Research associate, Geni Private Limited | | |
| 28-7-2017 Saturday | Valedictory Function Dr. Sadananda S Scientist, Bioneeds | | |

10:30AM-11:00AM- Tea Break, 12:30PM-2:00PM-Lunch Break, 4:00 pm- Tea Break

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Dr. B.S. KRISHNA
Professor & Head
Department of Chemistry
Sapthagiri College of Engineering
BENGALURU - 560 057.

Registration Form
Five Day Faculty
Development
Programme
on
Regulatory Affairs In
Pharma Industries

24-7-2017 to 28-07-2017
Tuesday-Saturday

Participant Details

Name : _____

Dept : _____

College : _____

Mobile : _____

Email ID : _____

Signature of the Participant

PATORNS

Sri. G Dayanand
Chairman, SCE

Sri. G D Manoj
Executive Director, SCE

Dr. Ashwath Kumar M
Principal, SCE

Organisers

Dr B S Krishna
HOD, Department of Chemistry, SCE

Dr. Ananda S
HOD, Department of BT, SCE

Dr Jagadeesh Gowda GV
HOD, Department of Physics, SCE

Co-ordinators

Prof. Shobha G
AP, Dept of BT
9916040777

Prof. Roopa K P
AP, Dept of Chemistry
9742821360

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SAPTHAGIRI COLLEGE OF
ENGINEERING
Affiliated to VTU, Belagavi
Department of Bio-Technology

And

Department of Basic Sciences
organising

Five Day Faculty
Development
Programme
on

Regulatory Affairs
In Pharma
Industries

**REPORT ON FDP
REGULATORY AFFAIRS IN PHARMA INDUSTRIES**

The Department of Biotechnology and Basics science jointly organized the FDP programme on Regulatory affairs in pharma industries for five days from 24-7-2017 to 28-7-2017. Attendees included both technical and basic science staff from varied background and from pharmacy.

The regulatory affairs (RA) department of a pharmaceutical company is responsible for obtaining approval for new pharmaceutical products and ensuring that approval is maintained for as long as the company wants to keep the product on the market.

The Speakers from industry Mrs. Vishika Hegde, Manager in Regulatory Systems, NOVO NORDISK, Mr. Gaurab Banerjee, Molsys, Mr Alagar Nachi, Field Marketing Manager, Biotechnika, Sri. Shivareddy Head, toxicology dept, Bioneedz, Dr Hemalatha, Research associate, Geni Private limited, Department of Pharmacy, SIMS and academic Mrs. Usha TAP, Mlacw delivered the lecture on regulatory affairs which has to be followed in pharmaceuticals, medical devices, Biologics and functional foods and marketing strategies. They also highlighted on intellectual properties which as to follow before releasing drugs into the market.



Lecture delivered by Speaker

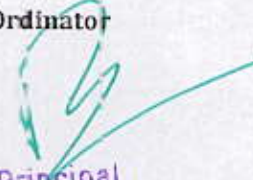


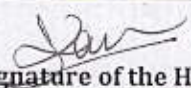
Interaction with Dr Hemalatha



Mr Alagar Nachi, Field Marketing Manager, Biotechnika-Finding of People Who Needs


Signature of the FDP Co-Ordinator


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bargalore- 560 057


Signature of the HOD
Dr. B.S. KRISHNA
Professor & Head
Department of Chemistry
Sapthagiri College of Engineering
BENGALURU - 560 057.



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Application of Electrochemistry in Biotechnology

Management for Faculty which was delivered by Dr. Sharanabasappa, Professor, SIMS and Research Center.



Dr. Sharanabasappa, Professor, SIMS and Research Center- Delivering Talk on Stress Management For Faculty Dealing with Engineering Students



Dr. Sharth Kumar Delivering Lecture on Application of Electrochemistry in Every Day Life

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ATTENDANCE LIST

Event Name: Regulatory affairs in Pharma industries

Date: 24-7-2017 to 28-07-2017

| Sl. No | Faculty Name | DAY-1 | | DAY-2 | | DAY-3 | | DAY-4 | | DAY-5 | |
|--------|--------------------|-------|----|-------|----|-------|----|-------|----|-------|----|
| | | MS | AS | MS | AS | MS | AS | MS | AS | MS | AS |
| 1 | Soumya.c | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2 | Blemy Baby Mathew | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 3 | Dr. Rohit KC | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 4 | Anada H.V | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 5 | Prashanth Kumar HP | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 6 | Kanya MV | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 7 | Shobha G | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 8 | Saranya D | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
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**Dr. B.S. KRISHNA**
Professor & Head
Department of Chemistry
Sapthagiri College of Engineering
BANGALURU - 560057


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560057

ATTENDANCE LIST

Event Name: Regulatory affairs in Pharma industries
Date: 24-7-2017 to 28-07-2017

| Sl. No | Faculty Name | DAY-1 | | DAY-2 | | DAY-3 | | DAY-4 | | DAY-5 | |
|--------|-----------------------|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| | | MS | AS | MS | AS | MS | AS | MS | AS | MS | AS |
| 1 | Mrs Shashikala B.S | (M) | (M) | (M) | (M) | (M) | (M) | (M) | (M) | (M) | (M) |
| 2 | Mr. Gnanendra D.S | G | G | G | G | G | G | G | G | G | G |
| 3 | Dr. Keshavamurthy. P. | K | K | K | K | K | K | K | K | K | K |
| 4 | Mr. Devaraja. C | D | D | D | D | D | D | D | D | D | D |
| 5 | Ms. Bhasathi D | B | B | B | B | B | B | B | B | B | B |
| 6 | Ms. Shwetha M | S | S | S | S | S | S | S | S | S | S |
| 7 | Ms. Latha K.M | L | L | L | L | L | L | L | L | L | L |
| 8 | Ms. Anupama B.G | A | A | A | A | A | A | A | A | A | A |
| 9 | Ms. Harsha C | H | H | H | H | H | H | H | H | H | H |
| 10 | Dr. Ranga Swamy D.R | R | R | R | R | R | R | R | R | R | R |
| 11 | Ms. Namsalatha V | N | N | N | N | N | N | N | N | N | N |
| | | | | | | | | | | | |
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| | | | | | | | | | | | |

Dr. B.S. KRISHNA
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Department of Chemistry
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Bengaluru - 560 057.


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Department of Biotechnology and Department of Basic Sciences


Faculty Development Program

on


Regulatory Affairs in Pharma Industries

CERTIFICATE OF PARTICIPATION

This is to certify that Dr/Mr/Ms/Mrs. Gnanendra D.S
of Sapthagiri College of Engineering has successfully participated in the Five days Faculty
Development Program held at Sapthagiri College of Engineering, Bengaluru, on 24th to 28th July 2017.


COORDINATORS


CONVENER


Principal
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Bengaluru - 560057


PRINCIPAL



DEPARTMENT OF CIVIL ENGINEERING

SAPTHAGIRI COLLEGE OF ENGINEERING

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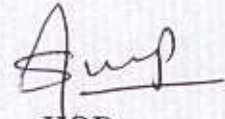
Fax: 080-28 372797

ACADEMIC YEAR 2017-2018

Date: 01/07/17

CIRCULAR

Faculties are hereby informed that the department is conducting a faculty development programme titled as 'advanced waste water treatment methods' for five days from 24th July To 28th July 2017. Interested faculties can register their names with Prof. Navya N


HOD

Dept. of civil


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ACADEMIC YEAR 2017-2018

Minutes of Meeting

A meeting of all the faculties was held on 15-07-2017 at HOD's office, Department of civil, Sapthagiri College of Engineering.

Prof. GEETHA T S, Associate Professor & Head chaired the meeting and greeted all faculty.

In the meeting the syllabus, schedule and budget of five days faculty development programme on stability of structures

Detailed Syllabus & Schedule

DAY 1 – INTRODUCTION

Date: 07/24/2017

| Time | Topics |
|----------------------------|--|
| 08:30 am To 10:15 am | Self purification in a stream, characteristics of waste water and treatment plant effluents, Dissolved oxygen, Estuarine pollution |
| Tea Break | |
| 10:30 am To 12:30 pm | Primary treatment: Screening, Grit removal, Neutralization, equalization, Sedimentation, Flotation (oil & grease removal), Air stripping |
| Lunch Break | |
| 01:30 pm To 03:00 pm | Secondary treatment: principles of waste treatment, basic kinetic equation, continuous flow treatment models |
| Tea Break | |
| 03:15 pm To 04:00 pm | oxygen requirement in aerobic process, production of sludge. |

DAY 2 - Ultrafiltration

Date: 07/25/2017

| Time | Topics |
|----------------------------|--|
| 08:30 am To 10:15 am | Conventional biological process: Activated Sludge Process (ASP), UASB and Trickling Filters. |
| 10:30 am To 12:30 pm | Biological waste treatment: RBC |
| 01:30 pm To 03:00 pm | Nitrogen removal: Nitrification and denitrification process, phosphorus removal, tubular aeration system, anaerobic filters. |
| 03:15 pm To | Low cost |

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ACADEMIC YEAR 2017-2018

| | |
|----------|--|
| 04:00 pm | wastewater treatment: Aerated lagoons, stabilization ponds, oxidation ditches. |
|----------|--|

DAY 3 - Ultrafiltration

Date: 07/26/2017

| Time | Topics |
|----------------------------|--|
| 08:30 am To 10:15 am | Tertiary treatment – ion exchange, |
| Tea Break | |
| 10:30 am To 12:30 pm | Membrane separation Techniques: Brief description of MF, UF, NF membranes. Reverse osmosis principle, Membrane materials, |
| Lunch Break | |
| 01:30 pm To 03:00 pm | Types of membranes – Plate & frame, tubular, hollow fibre, spiral wound membranes, application of membranes in various industrial applications |
| Tea Break | |
| 03:15 pm To 04:15 pm | electro chemical techniques : electro dialysis, electro coagulation, |

DAY 3 – Tertiary Treatment of Wastewater :

Date: 07/27/2017

| Time | Topics |
|----------------------------|--|
| 08:30 am To 10:15 am | Evaporators : forced evaporation, Multiple effect evaporators |
| Tea Break | |
| 10:30 am To 12:30 pm | falling film, raising film, forced circulation, agitated thin film driers. |
| Lunch Break | |
| 01:30 pm To 03:00 pm | Advanced oxidation process, photo catalysis. |
| Tea Break | |
| 03:15 pm To 04:00 pm | Secondary treatment-types of filters, rate of filter loading, Activated sludge process, sludge digestion. Sludge disposal. |

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ACADEMIC YEAR 2017-2018

DAY 4 – Sewage Treatment and Disposal

Date 07/28/2017

| Time | Topics |
|----------------------------|---|
| 08:30 am To 10:15 am | Introduction, importance of sewage, Characteristics of sewage, Sampling and analysis of sewage, |
| Tea Break | |
| 10:30 am To 12:30 pm | Sewage treatment and disposal : Skimming, Grit chamber, Sedimentation tanks, Septic tank, |
| Lunch Break | |
| 01:30 pm To 03:00 pm | methodology and process for the treatment of industrial wastes of sugar industry- beverage industry – tannery industry – textile mill waste industry – fertilizer plant – steel plant – oil refinery – paper and pulp mill. |
| Tea Break | |
| 03:15 pm To 04:00 pm | Valedictory function |

About the College

Sapthagiri Group of Institutions is the creation of Sri Srinivasa Educational & Charitable trust, Bengaluru. Sapthagiri College of Engineering is the brainchild of Honorable Sri Late Giriappa, Founder Chairman and Sri. G. Dayanand, Chairman of Sri Srinivasa Educational & Charitable trust. Sri G.D. Manoj, is the Executive Director of SCE. SCE began its glorious journey in the year 2001. It is approved and accredited by AICTE, New Delhi and is affiliated to VTU Belagavi, Karnataka. The campus of Sapthagiri College of Engineering is spread across 6.5 acres of lush green land with beautiful landscape. The area enjoys pleasant atmosphere throughout the year.



Vision

To be a best institution imparting quality engineering education to deal with community needs through learning and performance.

Mission

To implement path breaking student centric education methods. - To augment talent, nurture teamwork to transform to develop individual as responsible citizen. -To educate the students and faculties about entrepreneurship to meet vibrant requirements of the society. -Strengthen Industry-Institute Interaction for knowledge sharing.

Chief Patrons

Sri. G. Dayanand,
Chairman, Sri.Srinivasa Educational & Charitable Trust,
Sapthagiri Group of Institutions, Bengaluru

Sri. G.D. Balaji,
Executive Director, Sri. Srinivasa Educational
& Charitable Trust, Sapthagiri Group of Institutions

Sri. G.D. Manoj,
Executive Director, Sri. Srinivasa Educational
& Charitable T, Sapthagiri Group of Institutions

Patrons

Dr.K N Ravi
Principal, SCE, Bengaluru
Convener

Prof.Suvarna P
Prof.& HOD,Dept. of CV, SCE, Bengaluru

FDP Coordinator

Mrs.Navya N
Asst.Professor, SCE, Bengaluru

Faculty Development Programme

On

Advanced Waste Water Treatment

On

24th -28th July 2017

Organized by

Sapthagiri College of Engineering

Department of Civil Engineering

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru
560057

Phone: 080-28372800/01/02/03



About the Course:

- Overview of Advanced waste water treatment
- Primary and secondary treatment.
- Ultra purification
- Biological waste treatment, Nitrogen Removal.
- Ion exchange
- Membrane separation techniques
- Tertiary treatment of wastewater
- Importance of sewage
- Sewage treatment and disposal


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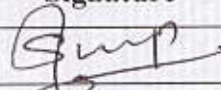
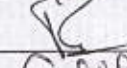
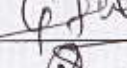
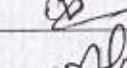

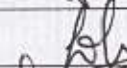
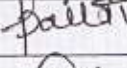


ACADEMIC YEAR 2017-2018

FACULTY DEVELOPMENT PROGRAMME

ON

ADVANCED WASTE WATER TREATMENT METHODS

Faculty Attendance

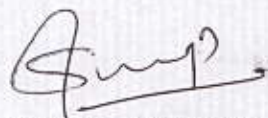
| Sl No. | Faculty Name | Designation | Signature |
|--------|----------------------|---------------------|---|
| 1 | Prof. SUVARNA P | HOD |  |
| 2 | Prof. PRAMOD.K.R | Assistant professor |  |
| 3 | Prof. GEETHA.T.S | Assistant professor |  |
| 4 | Prof. KRUPA.T.L | Assistant professor |  |
| 5 | Prof. AKSHAY. J | Assistant professor |  |
| 6 | Prof. RAGHAVENDRA R | Assistant professor |  |
| 7 | Prof. DHIRUVARAJ.M.S | Assistant professor |  |
| 8 | Prof. PALLAVI.G.A | Assistant professor |  |
| 9 | Prof. NAVYA. N | Assistant professor |  |



Principal
Sapthagiri College of Engineering
Chikkasandra, Hosaraghatta Road,
Bengaluru-560 057



Signature of coordinator



Signature of HOD



SAPTHAGIRI COLLEGE OF ENGINEERING

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ACADEMIC YEAR 2017-2018

Report

ADVANCED WASTE WATER TREATMENT METHODS

Aiming to provide an intense training on design concepts of hydraulic structures for our civil engineering faculties, Sapthagiri College of Engineering held during from Master of Ceremony(MOC) for the entire program was Mrs. Navya N (Assistant Professor, Department of Civil Engineering). After self introduction of MOC, Mr.Pramod K R (Assistant Professor, Department of Civil Engineering) delivered the welcome address followed by the Pleasant Prayer song by our 2nd sem student Ms.Nikhila. Further Prof. SUVARNA P (Head Of the Department, Department of Civil Engineering) explained us about the importance of 'hydraulic structures and the basic design concepts' to faculties. During the current academic year 2018-19, a five day Faculty Development Programme on "advanced waste water treatment methods" is proposed to be organized, in the campus of Sapthagiri college of engineering. In the sessions the following have been discussed. Energy and Environmental Engineering is one of the core areas of Chemical Engineering. Many chemical engineers are researching in areas like novel techniques for removal of heavy metals from industrial effluents, air quality management, waste water treatment and solid waste disposal, alternate and sustainable sources of energy, etc. Here we will be introducing some recent advances in some of these areas in which our expert faculty will be presenting their research findings and suggest future work. Even though there is a lot of ongoing research in these fields, this is of critical importance and hence is still not saturated. Our participants can benefit from the experience of the experts and plan research work accordingly. After all the sessions of last day, the program came almost to an end and the vote of thanks for the morning indoor session was given by Mrs. Pallavi G.A (Assistant Professor, Department of Civil Engineering). After the vote of thanks, the MOC Mrs. Navya N thanked the gathering.


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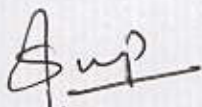
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ACADEMIC YEAR 2017-2018



Overall the faculties felt that the session was informative & gain knowledge about design concepts of hydraulic structures.


HOD


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PRINCIPAL
Principal
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Bengaluru - 560 057

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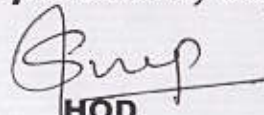
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Certificate


Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bengaluru-560 057

This is to Certify that ~~Mr./Mrs.~~ Navya . N. of has participated and successfully completed Five days Workshop on "Advanced Waste Water Treatment Methods" from 24th July to 28th July 2017 organized by the Civil Engineering Department, Sapthagiri College of Engineering.


HOD

Dept. of CIVIL


Principal



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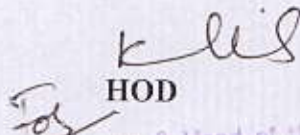
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ACADEMIC YEAR 2017-2018

Date: 20/07/2017

CIRCULAR

Faculties are hereby informed that the department is conducting a Five days faculty development programme on “**Artificial Intelligence and Robotics**” for our faculties for their technical developments from 24th July 2017 to 28th July 2017. Interested faculties can register their names with Prof Kavitha G, Assistant Professor and Prof Srikanth M S, Assistant Professor.


HOD
Professor & Head of the Department
Computer Science Engineering
Sapthagiri College of Engineering
Bangalore-57

Copy to

1. The office of the Principal
2. HODs: CSE/ECE/EEE/IS/ME/CV/BT/PHY/CHE/MATH


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ACADEMIC YEAR 2017-2018

Five days FDP on "Artificial Intelligence and Robotics" on 24th July 2017 to 28th July 2017
Programme schedule:

| DATE/DAY | TIME | EVENT, SPEAKER & TOPIC COVERED | VENUE |
|-------------------------|---------------------|--|------------------------------------|
| 24/07/2017 MONDAY | 9:00 AM-10:00 AM | Registration | Academic Block Entrance ALH 206 |
| | 10:00 AM -10:40 am | Inaugural Function | |
| | 10:40 am - 11:00 am | Tea Break | |
| | 11:00 am -1:00 pm | Lecture-1: Dr. Yogish H K • Basics of AI and Machine Learning | ALH-114 |
| | 1:00 pm- 2:00pm | Lunch Break | |
| | 2:00pm -4:00 pm | Lecture-2: Prof.AshokPatil Unsupervised Learning | ALH-114 |
| 25/07/2017 TUESDAY | 9:00 AM-10:40 AM | Lecture-3: Dr. Yogish H K Data Pre-processing | ALH-114 |
| | 10:40 am -11:00 am | Tea Break | |
| | 11:00 am -1:00 pm | Lecture-4: Prof.AshokPatil Data Visualization Techniques in Machine Learning | ALH-114 |
| | 1:00 pm- 2:00pm | Lunch Break | |
| | 2:00pm -4:00 pm | Lecture-5: Hands-on session | ALH-114 |
| | 9:00 AM-10:40 AM | Lecture-6: Prof.AshokPatil Supervised Learning | ALH-114 |
| 26/07/2017 WEDNESDAY | 10:40 am -11:00 am | Tea Break | |
| | 11:00 am -1:00 pm | Lecture-7: Prof.AshokPatil Model Evaluation and Selection | ALH-114 |
| | 1:00 pm- 2:00pm | Lunch Break | |
| | 2:00pm -4:00 pm | Lecture-8: Hands on session | ALH-114 |
| | 9:00 AM-10:40 AM | Lecture-9: Dr. Yogish H K Agents Based Modeling | ALH-114 |
| | 10:40 am -11:00 am | Tea Break | |
| 27/07/2017 THURSDAY | 11:00 am -1:00 pm | Lecture-9: Dr. Yogish H K Reinforcement Learning & Artificial Neural Network | ALH-114 |
| | 1:00 pm- 2:00pm | Lunch Break | |
| | 2:00pm -4:00 pm | Lecture-10: Hands on session | ALH-114 |
| | 9:00 AM-10:40 AM | Lecture-11: Dr. Yogish H K Robotics. | ALH-114 |
| | 10:40 am -11:00 am | Tea Break | |
| | 11:00 am -1:00 pm | Lecture-12: Prof.AshokPatil Robotics | ALH-114 |
| 28/07/2017 FRIDAY | 1:00 pm- 2:00pm | Lunch Break | |
| | 2:00pm -4:00 pm | Valedictory Function | ALH 206 |


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Registration Details

Name: _____

Designation: _____

Qualification: _____

Experience (In Years) Teaching: _____

Industry: _____

Address for communication: _____

Phone Office: _____

Mobile: _____

E-mail: _____

Signature of Participant

*Signature of the Head of the
Organization/Department/Institute with Seal*

Chief Patrons:

Sri Dayanand G.
Chairman
Sri Srinivasa Educational & Charitable Trust

Sri G D Manoj
Executive Director
Sri Srinivasa Educational & Charitable Trust

Patrons:

Dr. Srinivasan N. Director, SCE
Dr. M. Aswatha Kumar Principal, SCE

Organizing Chair:

Dr. Yogish H K
Professor & Head

Co-ordinator:

Prof. Kavitha G
Assistant Professor

Prof. Srikanth M S
Assistant Professor



SAPTHAGIRI COLLEGE OF
ENGINEERING
*Five days Faculty Development
Programme on*
**“Artificial Intelligence
and Robotics”**

24th July to 28th July 2017



Organized by:

Department of Computer Science & Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING

Recognized by AICTE, New Delhi & Affiliated to VTU, Belgaum)

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ACADEMIC YEAR 2017-2018

Five days FDP on "Artificial Intelligence and Robotics" on 24th July 2017 to 28th July 2017

ATTENDANCE REPORT

| SL. No. | Name | Day 1- 24/07/2017 | | Day 2- 25/07/2017 | | Day 3- 26/07/2017 | | Day 4- 27/07/2017 | | Day 5- 28/07/2017 | |
|---------|---------------------------|----------------------|----|----------------------|----|----------------------|----|----------------------|----|----------------------|----|
| | | FN | AN | FN | AN | FN | AN | FN | AN | FN | AN |
| | | | | | | | | | | | |
| 1 | Dr. Yogish.H.K | | | | | | | | | | |
| | Prof. Kamalakshi Naganna | K | K | K | K | K | K | K | K | K | K |
| | Prof. Chaithra | C | C | C | C | C | C | C | C | C | C |
| 4 | Prof. Ashok Patil | A | A | A | A | A | A | A | A | A | A |
| 5 | Prof. Ramanagouda S Patil | R | R | R | R | R | R | R | R | R | R |
| 6 | Prof. Latha A | L | L | L | L | L | L | L | L | L | L |
| 7 | Prof. J Suriya Prakash | S | S | S | S | S | S | S | S | S | S |
| 8 | Prof. Roopa Banakar | R | R | R | R | R | R | R | R | R | R |
| 9 | Prof. Poornima G.J | P | P | P | P | P | P | P | P | P | P |
| 0 | Prof. Sushmitha J | S | S | S | S | S | S | S | S | S | S |
| 1 | Prof. Madhu Shree | M | M | M | M | M | M | M | M | M | M |
| 2 | Prof. Veena K.R | V | V | V | V | V | V | V | V | V | V |
| 3 | Prof. Kavitha G | K | K | K | K | K | K | K | K | K | K |
| 4 | Prof. Mamatha A | M | M | M | M | M | M | M | M | M | M |
| 5 | Prof. Srikanth M S | S | S | S | S | S | S | S | S | S | S |
| 6 | Prof. Gajendra Prasad K C | G | G | G | G | G | G | G | G | G | G |
| 7 | Prof. Nanda.M.B. | N | N | N | N | N | N | N | N | N | N |
| 8 | Prof. Anuradha Badage | A | A | A | A | A | A | A | A | A | A |
| 9 | Prof. Shilpa M | S | S | S | S | S | S | S | S | S | S |
| 0 | Prof. Chethan M | C | C | C | C | C | C | C | C | C | C |
| 1 | Prof. Shruthi N | S | S | S | S | S | S | S | S | S | S |
| 2 | Prof. Kavya N.L | K | K | K | K | K | K | K | K | K | K |

Principal

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ACADEMIC YEAR 2017-2018

| | | | | | | | | | | | |
|---|-----------------------|--|--|--|--|--|--|--|--|--|--|
| 3 | Prof. Arun Kumar S | | | | | | | | | | |
| 3 | Prof. Abhishek K.L | | | | | | | | | | |
| 3 | Prof. Supreetha S | | | | | | | | | | |
| 8 | Prof. Gayathri Satish | | | | | | | | | | |
| 2 | Prof. Sneha G | | | | | | | | | | |


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REPORT ON

Five days FDP on “Artificial Intelligence and Robotics” on 24th July 2017 to 28th July 2017

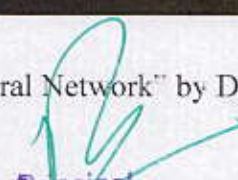
A Five Days Faculty Development Programme on “**Artificial Intelligence and Robotics**” is organized by the Department of Computer Science & Engineering, Sapthagiri Engineering College, Bangalore 24th July to 28th July 2017. More than 15 Faculty Members were participated in this Faculty Development Programme and got benefited.

The session helps to develop Artificial Intelligence & Machine Learning experts to solve business problems in organization using Artificial Intelligence & Machine Learning technologies. With the growing demand for AI in a broad range of industries the proposed program is well suited for a variety of disciplines.

The entire Programme is coordinated by the Faculty Members and Student Volunteers of CSE Department.



Session on “Reinforcement Learning & Artificial Neural Network” by Dr. Yogish H K


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ACADEMIC YEAR 2017-2018



Last Day Valedictory Photo Session

Convener

Chairman

Principal
Sapthagiri College of Engineering
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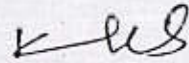
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Certificate of Participation


This is to certify that

Mr./Ms. Prof. KAVYA - N. L.

Successfully participated in the Faculty Development Program on "Artificial Intelligence and Robotics" from 24/07/2017 to 28/07/2017 organized by Department of Computer Science & Engineering, Sapthagiri College of Engineering, Bengaluru-560057.


HOD

Professor & Head of the Department


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
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PRINCIPAL

Principal



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ACADEMIC YEAR 2017-2018

CIRCULAR

Department of Electronics and Communication Engineering is conducting a five days faculty development programme on VLSI design using Verilog for the technical developments of the faculty from 24th July 2017 to 28th July 2017. All the faculty can register their names with Prof. Preethi T S Prof. Karthik.N.C


HOD

Department of ECE

Head of the Department
Electronics & Communication
Sapthagiri College of Engineering
Bengaluru-560 057



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ACADEMIC YEAR 2017-2018

Minutes of Meeting

A meeting of all the faculty was held on 19/07/2017 at HOD's office, Department of ECE, Sapthagiri College Engineering.

Agenda:

- In the meeting the syllabus, schedule of five days faculty development programme on VLSI design using Verilog to faculty members was discussed and approved by the HOD.

Programme schedule:

Detailed Syllabus & Schedule

DAY 1 - Advanced Digital Design

Date: 24/07/2017

| Time | Topics |
|----------------------------|--|
| 08:30 am To 10:15 am | Combinatorial Logic Design Sequential Logic Design |
| Tea Break | |
| 10:30 am To 12:30 pm | State Machines Advanced Design Issues: Metastability, Noise Margins, Power, Fan-out, Timing Considerations |
| Lunch Break | |
| 01:30 pm To 03:00 pm | Introduction to HDL VHDL Flow |
| Tea Break | |
| 03:15 pm To 04:00 pm | Language Constructs Concurrent Constructs Sequential Constructs Subprogram Packaging |

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ACADEMIC YEAR 2017-2018

DAY 2 - Introduction to HDL and Verilog HDL

Date: 25/07/2017

| Time | Topics |
|----------------------------|--|
| 08:30 am To 10:15 am | Timing Issues The Concept of Simulation and Synthesis |
| 10:30 am To 12:30 pm | State Machine Synthesis Efficient Coding Styles |
| 01:30 pm To 03:00 pm | Data Types Modeling Concepts |
| 03:15 pm To 04:00 pm | Task and Functions Specify Block and Timing Checks Verification and Writing Test Benches |

DAY 3 - FPGA Architecture and ASIC Design

Date: 26/07/2017

| Time | Topics |
|----------------------------|---|
| 08:30 am To 10:15 am | Architecture study of some popular FPGA families |
| Tea Break | |
| 10:30 am To 12:30 pm | Detailed study of a Xilinx FPGA family (Virtex-5) |
| Lunch Break | |
| 01:30 pm To 03:00 pm | ASIC Design Flow Different Technology Options |
| Tea Break | |
| 03:15 pm To 04:15 pm | Power Calculations Clock Methodologies Design Flow (Design Specification, Verification Plan, RTL Description, |

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ACADEMIC YEAR 2017-2018

DAY 4 – SPICE Simulation Modeling and CMOS VLSI Design

Date: 27/07/2017

| Time | Topics |
|----------------------------|--|
| 08:30 am To 10:15 am | Introduction to the MOS Technology and Fabrication Process Flow Design of Basic Gates using CMOS, transmission gates etc |
| Tea Break | |
| 10:30 am To 12:30 pm | Design of complex logic Device sizing, timing parameters & estimation of layout resistance & capacitance |
| Lunch Break | |
| 01:30 pm To 03:00 pm | Introduction to low power VLSI design and design techniques |
| Tea Break | |
| 03:15 pm To 04:15 pm | Design rules for CMOS layout |

DAY 5 – CMOS VLSI Design

Date: 28/07/2017

| Time | Topics |
|----------------------------|--|
| 08:30 am To 10:15 am | Introduction to layout and simulation tools Place and Route Extraction, LVS |
| Tea Break | |
| 10:30 am To 12:30 pm | Netlist to GDS-II flow Device Generator Libraries |
| Lunch Break | |
| 01:30 pm To 03:00 pm | Hands on Training on Xilinx Based FPGA Prototyping for Adders, Multipliers, Counters and State Machines. |
| Tea Break | |
| 03:15 pm To 04:00 pm | Differential Amplifier Design and ASIC Design using Cadence/Tanner Tool. Research Opportunities in the field of VLSI |


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ACADEMIC YEAR 2017-2018

The following members were present in the meeting and the syllabus and lesson plan for the faculty development programme has been decided.

| Sl No. | Faculty Name | Designation | Signature |
|--------|--------------------------|---------------------|-----------|
| 1. | Prof. Agalya P. | Associate Professor | |
| 2. | Prof. Shobha S. | Associate Professor | |
| 3. | Prof. Ravishankara M. N. | Associate Professor | |
| 4. | Prof. Shobha I Hugar | Assistant Professor | |

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Organized by
Department of
Electronics & Communication
Engineering

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ACADEMIC YEAR 2017-2018

**List of participants and Attendance FDP on "VLSI design using Verilog" from
24th July 2017 to 28th July 2017**

| Sl. No. | Name of the Faculty | 24/07/17 | | 25/07/17 | | 26/07/17 | | 27/07/17 | | 28/07/17 | |
|---------|---------------------|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|
| | | FN | AN | FN | AN | FN | AN | FN | AN | FN | AN |
| 1 | SHOBHA.S | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 2 | Sanjya Rani.MH | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 3 | Anjali Rafid | Att | Att | Att | Att | Att | Att | Att | Att | Att | Att |
| 4 | Shobha.T. Hagar | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 5 | Satish muthy | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 6 | Dr. Samita m... .. | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 7 | Ravishankar.M.V | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 8 | Suma.V. Shetty | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 9 | Prathiba.P | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 10 | Shilpa.V | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 11 | Vani.V | Att | Att | Att | Att | Att | Att | Att | Att | Att | Att |
| 12 | Vaishik.N.C | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 13 | Vani.A | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 14 | Jayalava.D.B | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 15 | Vaishini.K | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 16 | Preethi.T.S | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 17 | Shwetha.RD | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 18 | Suma.C | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 19 | Chaidra P | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 20 | Padmarathi.C | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 21 | Sudha M.S | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 22 | Sangeetha K Sree | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 23 | Bharath B.N | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 24 | Aaalea P | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |



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Department of Electronics and Communication

FDP REPORT ON VLSI DESIGN USING VERILOG

Date: 24-7-2017 to 28-7-2017

Time: 9 AM to 4 PM

Venue: VLSI Lab, Academic block, SCE


RESOURCE PERSONS PROFILE:

1. Name: Mr. Prakash Jadhav
Current Status: Assoc. Professor
Department ECE, MVJCE, Bangalore
Qualification: B.E, M.Tech.

Professional Experience: He has 17 years of Teaching experience in various subjects in the field of Electronics and communication. He has published many papers in National and International level journals and conferences. He has also chairperson for many conferences held in MVJ college of Engineering Bangalore.

2. Name: Prof. Agalya P
Current status: Assoc. Professor
Department of ECE, SCE, Bangalore
Qualification B. Tech. M.Tech. (PhD)

Professional Experience: Has 18+ years of Teaching experience in various subjects in the field of Electronics and communication. Currently working as associate professor in the department of Electronics and Communication Engineering, Sapthagiri college of Engineering, Bangalore. Has published various papers in National and International level conferences. Has been resource person for various workshops conducted in Sapthagiri college of Engineering.


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Department of Electronics and Communication

Summary Report:

Faculty development programme was conducted on VLSI DESIGN USING VERILOG by the department of Electronics and Communication from 22-01-2018 to 26-01-2018. The FDP programme was inaugurated by the principal.

The first day session started with Introduction to VLSI and Design methodologies. by Prof. Prakash Jadhav. The second day the session started with Verilog Vs VHDL, Overview of Verilog & ETL Design using HDL. The session was followed by hands-on on feature extraction and installation of software.

The third day session started with Functional Verification System Verilog and UVM based test benches by Prof. Agalya P and hands-on was provided in the lab.

The Fourth day session started with discussion on IPs, Chips and SoCs and its Design by Prof. Agalya P ASIC Vs FPGA Low Power Circuit Design Full Custom and Semicustom Design Principles. In the afternoon hands-on was provided.

On the last day of the FDP the session the discussion on ASIC and FPGA Design Principles. Hands on Training on Xilinx Based FPGA Prototyping for Adders, Multipliers, Counters and State Machines. Differential Amplifier Design and ASIC Design using Cadence/Tanner Tool. Research Opportunities in the field of VLSI by Prof. Prakash Jadhav

The FDP technical session was very informative and enhanced the technical knowledge of faculty members. Overall the faculties felt the session was very helpful and gained the knowledge in the field of VLSI and its application.

The session was concluded with vote of thanks and distribution of certificates to the participants.

Principal

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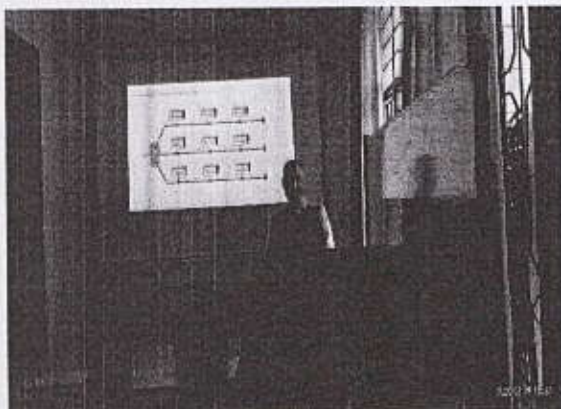
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Department of Electronics and Communication



Mr. Prakash Jadhav delivering speech to participants


Chairman

Academic committee


Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

Head of the Department
Electronics & Communication
Sapthagiri College of Engineering
Bangalore - 560 057

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Certificate

This is to Certify that Mr./Mrs. PADMAVATHI.C of has participated and successfully completed Five days Workshop on 'VLSI design using Verilog' from 24th July to 28th July 2017 organized by the Electronics and Communication Engineering Department, Sapthagiri College of Engineering.


HOD

Dept. of ECE


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Phone: 080-28 372800/1/2

Fax: 080-28 372797

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Date: 12/06/2017


CIRCULAR

Faculties are hereby informed that department is conducting following FDP:

Subject: "Renewable energy resources"

Date: 24th July 2017 to 28th July 2017.

All are requested to attend the FDP without fail.


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HOD

Dept. of EEE

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Fax: 080-28 372797

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Minutes of Meeting

A meeting of the academic committee was held on 14/07/2017 at HOD's office, Department of EEE.

Dr. K N Ravi, Professor & Head chaired the meeting.

Committee discussed the syllabus, schedule, etc. to conduct five days FDP on "Renewable energy resources" from 24th July 2017 to 28th July 2017 and the same was approved by the HOD.

Detailed Syllabus & Schedule

DAY 1 - Date: 24/07/2017

| Time | Topics |
|----------------------------|---|
| 09:30 am To 11:00 am | Inauguration, Invocation, welcome speech, Introduction of resource person, presidential address |
| Tea Break | |
| 11:30 am To 1:30 pm | Introduction to Renewable Energy Resources- Its importance in the present scenario |
| Lunch Break | |
| 02:30 pm To 04:00 pm | Sun-Earth geometric relationship |

DAY 2 - Date: 25/07/2017

| Time | Topics |
|----------------------------|--|
| 09:30 am To 11:00 am | Solar Thermal Energy collectors |
| Tea Break | |
| 11:30 am To 1:30 pm | Hydrogen Energy |
| Lunch Break | |
| 02:30 pm To 04:00 pm | Solid waste and agriculture refuse- Biomass Energy |


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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

DAY 3 – Date: 26/07/2017

| Time | Topics |
|----------------------------|--|
| 09:30 am To 11:00 am | Tidal Energy |
| Tea Break | |
| 11:30 am To 1:30 pm | Sea wave Energy- Ocean Thermal Energy Conversion(OTEC) |
| Lunch Break | |
| 02:30 pm To 04:00 pm | Solar Cell |

DAY 4 - Date: 27/07/2017

| Time | Topics |
|----------------------------|-------------------------|
| 09:30 am To 04:00 pm | Solar Power Plant Visit |

DAY 5 - Date: 28/07/2017

| Time | Topics |
|----------------------------|--|
| 09:30 am To 11:00 am | Installation of Photo-Voltaic Cell |
| Tea Break | |
| 11:30 am To 1:30 pm | Recent Trends in Solar Power Generation/Utilization |
| Lunch Break | |
| 02:30 pm To 04:00 pm | Question / Answer session, Feed Back, Valedictory Function etc |

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REGISTRATION FORM
5 Days Faculty Development
Programme
on

“Renewable energy resources”
FROM
24th July 2017 to 28th July 2017

Name of the Participant:

.....

Gender:

.....

Department:

.....

Name & Address of Institution:

.....

.....

Address for Communication:

.....

.....

.....

Email ID:.....

Mobile:

Chief Patrons

Sri. G. Dayanand,
Chairman, Sri. Srinivasa Educational & Charitable Trust,
Sapthagiri Group of Institutions, Bengaluru

Sri. G.D. Balaji,
Executive Director, Sri. Srinivasa Educational
& Charitable Trust, Sapthagiri Group of Institutions

Sri. G.D. Manoj,
Executive Director, Sri. Srinivasa Educational
& Charitable Trust, Sapthagiri Group of Institutions

Patrons

Dr. Ashwath Kumar M,
Principal, SCE, Bengaluru

Program Coordinator

Prof. Prof. S N Rekha
Associate Professor., EEE, SCE, Bengaluru

MEMBERS

Prof. Jhansi K.
Assistant Professor, EEE, SCE, Bengaluru

Prof. AShwini C.
Assistant Professor, EEE, SCE, Bengaluru

Prof. Ramya M.
Assistant Professor, EEE, SCE, Bengaluru

Prof. GuruPrasanna.
Senior Grade Lecturer, EEE, SCE, Bengaluru



5 Days Faculty Development Programme
on

“Renewable energy resources”
FROM
24th July 2017 to 28th July 2017

Organized by

Department of
Electrical and Electronics
Engineering



Sapthagiri College of Engineering

#14/5, Chikkasandra, Hesaraghatta Main
Road, Bengaluru 560057

Phone: 080-28372800/01/02/03

Signature of
the Applicant

Signature & Seal of
the HOD/ Principal

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

2017-18(ODD)

**List of participants and Attendance- FDP on "Renewable energy resources".
from 24th July 2017 to 28th July 2017**

| Sl. No. | Name of the Faculty | 24/07/17 | | 25/07/17 | | 26/07/17 | | 27/07/17 | | 28/07/17 | |
|---------|---------------------|----------|----|----------|----|----------|----|----------|----|----------|----|
| | | FN | AN | FN | AN | FN | AN | FN | AN | FN | AN |
| 1 | Dr. K. N. Ravi ✓ | K | K | K | K | K | K | K | K | K | K |
| 2 | R. RUKMANJAYA ✓ | R | R | R | R | R | R | R | R | R | R |
| 3 | RANJANA M. ✓ | R | R | R | R | R | R | R | R | R | R |
| 4 | Sweetha G. ✓ | S | S | S | S | S | S | S | S | S | S |
| 5 | Ponetha NP ✓ | P | P | P | P | P | P | P | P | P | P |
| 6 | Mahavirshnu ✓ | M | M | M | M | M | M | M | M | M | M |
| 7 | Ashwinic ✓ | A | A | A | A | A | A | A | A | A | A |
| 8 | A. Dhamodaran ✓ | A | A | A | A | A | A | A | A | A | A |
| 9 | Nayanraj H. P. ✓ | N | N | N | N | N | N | N | N | N | N |
| 10 | ASHWINI. A. V. ✓ | A | A | A | A | A | A | A | A | A | A |
| 11 | Guru Prasanna ✓ | G | G | G | G | G | G | G | G | G | G |
| 12 | Mr. SHIVARAJ ✓ | S | S | S | S | S | S | S | S | S | S |
| 13 | Divya 'N's ✓ | D | D | D | D | D | D | D | D | D | D |
| 14 | Shashik ✓ | S | S | S | S | S | S | S | S | S | S |
| 15 | Nandini. d.B ✓ | N | N | N | N | N | N | N | N | N | N |
| 16 | Rekha S ✓ | R | R | R | R | R | R | R | R | R | R |
| 17 | YOUSUF MADAR ✓ | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| 18 | Murali krishna ✓ | M | M | M | M | M | M | M | M | M | M |
| 19 | Sasitha. c. ✓ | S | S | S | S | S | S | S | S | S | S |
| 20 | Manaswi. K. ✓ | M | M | M | M | M | M | M | M | M | M |
| 21 | | | | | | | | | | | |

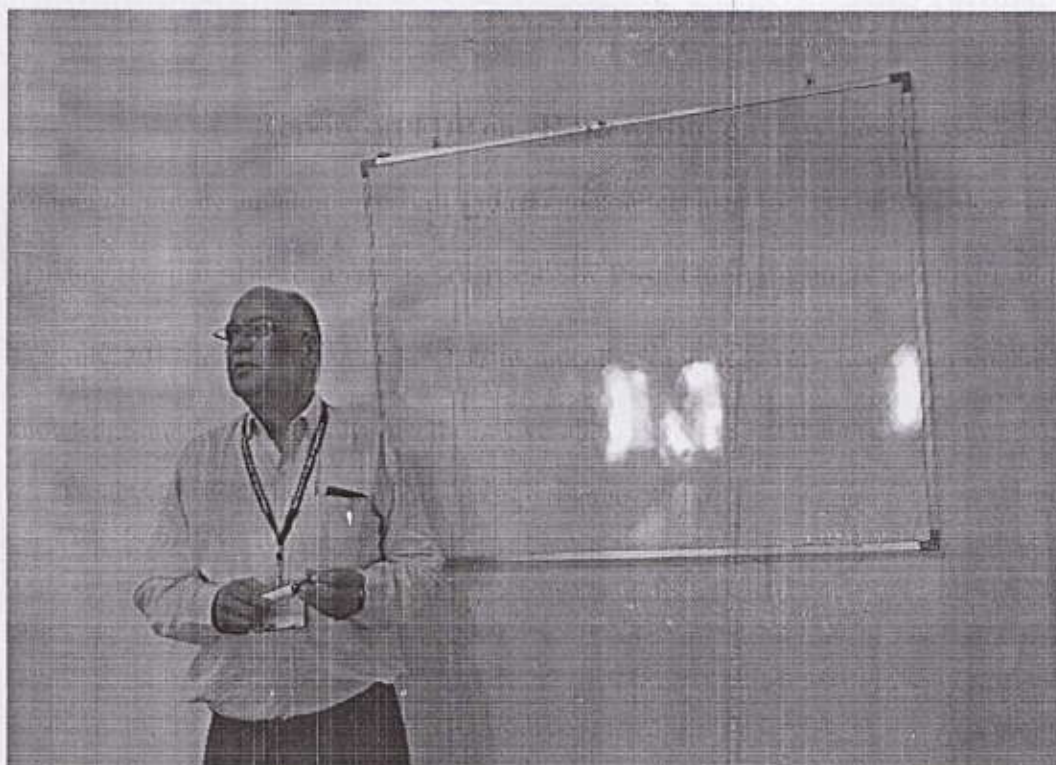
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Department of Electrical and Electronics and Engineering
FACULTY DEVELOPMENT PROGRAMME COMMITTEE

AY 2017-18(ODD)

Report on FDP on “Renewable energy resources”

Aiming to provide an additional skill and training on technical aspects of RES, department conducted an FDP on “Renewable energy resources” by Prof. Guruprasanna, an expert on the subject from 24th July 2017 to 28th July 2017. The technical session was very helpful in enhancing the technical knowledge amongst the faculty members. Overall the faculties felt that the session was very informative & gain knowledge about the Renewable Energy Sources and its applications.




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Bangalore-560057

Certificate

This is to certify that Mr. /Ms. Mahavishnu KBP
of EEE has participated and
successfully completed 05 days Faculty Development Program on
"Renewable energy resources" from 24/7/2017 to 28/7/2017 organized
by the Department of Electrical & Electronics Engineering, Sapthagiri
College of Engineering.

Dr. K N Ravi

HOD, Dept. of EEE

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

15.7.17

CIRCULAR

All the faculties are hereby informed to attend the meeting in the HOD's office at 10.30AM on 17.7.17 to discuss the details of the FDP program conducted on Multimedia Networking on 24.7.17

HOD ISE

Dr. H.R. Ranganatha

Prof. & H.O.D.

Dept. of Information Science & Engg.

Sapthagiri College of Engineering

14/5 Chikkasandra, Hesaraghatta Main Road

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Principal

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

Minutes of Meeting

A meeting of all the faculties was held on 17-07-2017 at HOD's office, Department of ISE, Sapthagiri College of Engineering Dr.H.C Ranganatha, Professor & Head chaired the meeting and greeted all faculty.

In the meeting the schedule and budget of five days FDP on Multimedia Networking was discussed and approved by the HOD.

Detailed Schedule

DAY 1

Date: 24/07/2017

| Time | Topics |
|--------------------------|---|
| 2:30 pm To 4:00 pm | Introduction to Multi Media Networking. |

25/07/2017

DAY 2

| Time | Topics |
|----------------------------|---|
| 08:30 am To 10:15 am | Multimedia Applications Audio Digitization Multimedia Networking Applications |
| Tea Break | |
| 10:30 am To 12:30 pm | Playout Buffers Client-side Buffering Streaming Using UDP |
| Lunch Brack | |
| 01:30 pm To 03:00 pm | Streaming Using HTTP Multimedia Applications |

Principal

| | |
|----------------------------|--|
| | Voice Over IP |
| 03:15 pm To 04:00 pm | Voice-over-IP (VoIP) VoIP Packet Losses |

DAY 3

Date: 26/07/2017

| Time | Topics |
|----------------------------|---|
| 08:30 am To 10:15 am | VoIP with Fixed Playout Delay Adaptive Playout Delay Adaptive Playout Delay |
| Tea Break | |
| 10:30 am To 12:30 pm | Recovering From Packet Loss Voice-over-IP: Skype P2P voice-over-IP: Skype |
| Lunch Break | |
| 01:30 pm To 03:00 pm | Skype: Super Nodes as Relays Voice over IP Protocols for Real-Time Applications |
| Tea Break | |
| 03:15 pm To 04:15 pm | Real-Time Transport Protocol (RTP) |

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RTP Packet Format

Session Initiation Protocol (SIP)

DAY 4

Date: 27/07/2017

| Time | Topics |
|----------------------------|---|
| 08:30 am To 10:15 am | Locating using SIP SIP Proxy H.323 Protocols |
| Tea Break | |
| 10:30 am To 12:30 pm | Protocols for Real-Time Applications Networking Support for Multimedia QoS Components |
| Lunch Break | |
| 01:30 pm To 03:00 pm | Network Support for Multimedia Traffic Shaping Token Bucket Shaper |
| Tea Break | |
| 03:15 pm To 04:15 pm | Traffic Policing Peak Rate Policing with Leaky Bucket Differentiated Services |

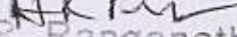
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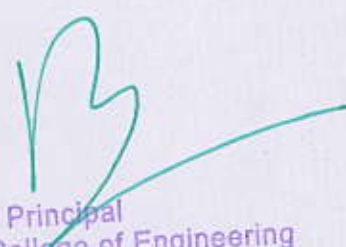
Date: 28/07/2017

Day 5

| Time | Topics |
|----------------------------|--|
| 08:30 am To 10:15 am | Per-hop Behaviors Expedited Forwarding Assured Forwarding |
| Tea Break | |
| 10:30 am To 12:30 pm | Network Support for Multimedia Scan This to Download These Slides |
| Lunch Break | |
| 01:30 pm To 03:00 pm | Related Modules |
| 3.15pm To 4.15pm | Valedictory function |


Dr. H.R. Ranganatha
Prof. & H.O.D

Dept. of Information Science & Engg.
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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

19.7.17

CIRCULAR

Faculties are here by informed to attend five days FDP on Multimedia Networking from: 24th July 2017 to 28th July 2017.

HOD

Dept. of ISE

Dr. H.R. Ranganatha

Prof. & H.O.D

Dept. of Information Science & Engg.

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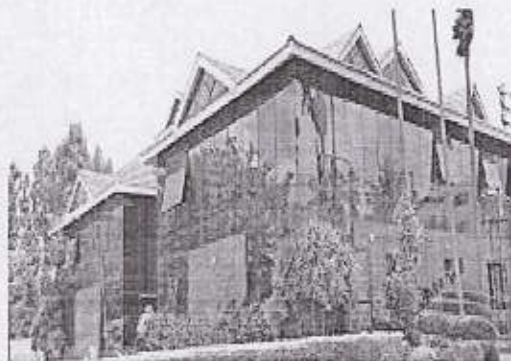
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**Five Days FDP on
On
“Multimedia Networking”
FROM 24th July 2017 to 28th July 2017**

**Organized by
Department of
Information Science and
Engineering**



Sapthagiri College of Engineering
#14/5, Chikkasandra, Hesaraghatta Main
Road, Bengaluru 560057
Phone: 080-28372800/01/02/03

About the College

Sapthagiri Group of Institutions is the creation of Sri Srinivasa Educational & Charitable trust, Bengaluru. Sapthagiri College of Engineering is the brainchild of honorable Sri Giriyappa, Founder Chairman and Sri. G. Dayanand, Chairman of Sri Srinivasa Educational & Charitable trust. Sri G.D. Manoj, is the Executive Director of SCE. SCE began its glorious journey in the year 2004. It is approved and accredited by AICTE, New Delhi and is affiliated to VTU Belagavi, Karnataka. The campus of Sapthagiri College of Engineering is spread across 6.5 acres of lush green land with beautiful landscape. The area enjoys pleasant atmosphere throughout the year. The college has secured ?? University ranks and 4 Gold medals.

Vision

To create and maintain an enabling learning environment for the students to transform them as thorough professionals to meet diverse professional demands of global environments.

Mission

To provide quality education to the students to pursue courses in different engineering disciplines and to transform their professional dreams into reality and to offer competent budding professionals to the society.

About the Department:

The Information Science and Engineering Department had its beginning in the year 2001 with an intake of 120 students, and is one of the pioneering departments at Sapthagiri College of Engineering. The Department has well qualified and dedicated faculty members, who always put in their best efforts to ensure that quality education is imparted to students. The Department will be

striding in the progressive path to achieve excellence in academics and research activities. Apart from the qualified faculty and staff, the Department has state-of-the-art laboratories and latest software's.

About the FDP:

Its objectives are

- To enhance the skills of faculties in the field of multimedia networking.
- To understand how multimedia can combine text and images, and sometimes video and other types.

Resource Persons:

Gayatri R
Asistant Professor
Department of ISE

Sapthagiri College of Engineering

Address for Communication/Registration

Prof. Gayatri R
Assistant Professor, CSE
Ph: 8147290734

Prof. Ramya R.
Asistant Professor
Ph: 8884816537

Email id for registration:

gayatrirkrishna@sapthagiri.edu.in

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Department of Information Science and Engineering

FDP on "Multimedia Networking" Attendance

| Sl No. | Faculty Name | 24.7.17 | | 25.7.17 | | 26.7.17 | | 27.7.17 | | 28.7.17 | |
|--------|----------------------|---------|----|---------|----|---------|----|---------|----|---------|----|
| | | MS | AS | MS | AS | MS | AS | MS | AS | MS | AS |
| 1 | Prof Veena V | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2 | Prof Ma.athi K P | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 3 | Prof Ravichandra M | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 4 | Prof Ranya R | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 5 | Prof Bhavatarini | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 6 | Prof Vijay Kumar F G | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 7 | Prof Meghana | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 8 | Prof Vinzeetha B | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 9 | Prof Sheethal Raj | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 10 | Prof Sowmya Somnath | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 11 | Prof SanjayKumar | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 12 | Prof Gayatri R | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 13 | Prof Divyashree G | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 14 | Prof Bharvya A | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 15 | Prof Praneetha G N | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 16 | Prof Ambika S | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 17 | Prof Chaithra B.M | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

H.R.R.
HOD

Dr H.R. Ranganatha
Prof. & H.O.D

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Sapthagiri College of Engineering
14/5 Chikkasandra, Hesaraghatta Main Road
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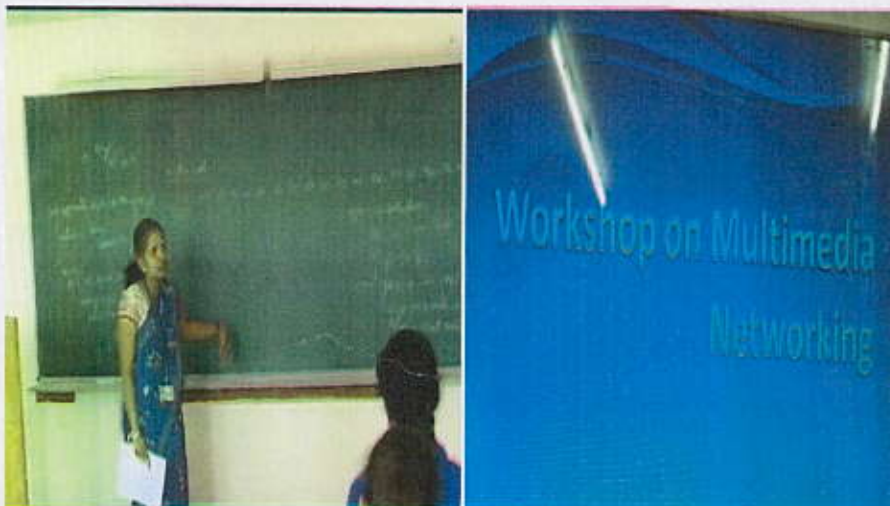
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Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

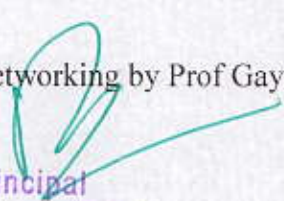
Report on Multimedia Networking

No of Participants =14

Aiming to provide an Faculty Development Program on Multimedia Networking for the faculties of Department of Information Science Engineering, Sapthagiri College of Engineering held during 24th July 2017 to 28th July 2017. The resource person for this FDP is Prof Gayatri R, Assistant professor Department of ISE. Overall the faculties felt that the session was informative & gained knowledge about Multimedia Networking and its various applications. Faculties were able to understand various network applications with the combination with audio and video. Speaker covered the various topics such as streaming using UDP, HTTP etc with various examples.



FDP on Multimedia Networking by Prof Gayatri R


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057


Coordinator




Sapthagiri College of Engineering

Bangalore-560057

Certificate

This is to Certify that Mr./Ms. RAVICHANDRA M.
of Informalim Science & Engg. has participated
and successfully completed Five days Faculty Development Program on
"Multimedia Networking" from 24th July, 2017 to 28th July, 2017
organized by the Department of Information Science & Engineering,
Sapthagiri College of Engineering.


HOD, Dept of ISE




Principal



**DEPARTMENT OF MECHANICAL ENGINEERING
SAPTHAGIRI COLLEGE OF ENGINEERING**

(Affiliated to Visvesvaraya Technological University Belagavi & Approved by AICTE, New Delhi.)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057.

Date: 13/01/2018

CIRCULAR

Mechanical Engineering faculty are hereby informing that there will be a faculty development programme entitled "Teaching techniques in Computer aided engineering drawing" for five days on 24th July 2017 to 28th July 2017. The interested candidates enroll your names with Mr. ArunKumar R.

HOD

Department of Mechanical Engineering

[Signature]
H.O.D. Dept. of Mech. Engg
S.C.E., Bangalore-560 057

[Signature]
Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

Date 13/07/2017

Minutes of Meeting

A meeting was conducted on 13th July 2017 in Mechanical HOD office to discuss and finalize the following about the five days faculty development programme for mechanical engineering department. The following points have discussed in the meeting

- FDP program for Mechanical faculty on 24th July 2017 to 28th July 2017.
- Programme Convener- **Mr. ArunKumar R**
- Certificate program entitled as **Teaching techniques in Computer aided engineering drawing.**
- Course duration and Date

Course Content

| Date | Morning Session 9.30 a.m. to 12.30 p.m. | Afternoon Session 2.00 p.m. to 5.00 p.m. |
|------------|--|---|
| 24/07/2017 | Registration & Inauguration Function | Basics of Engineering Drawing |
| 25/07/2017 | Basic of Solid edge V19 drawing Software | Principal Projection of Points and Lines |
| 26/07/2017 | Principal Projection of Plane surfaces | Principal Projection of Solids |
| 27/07/2017 | Principal Projection of Solids | Developments of Solids lateral Surfaces |
| 28/07/2017 | Isometric Projections of Solids | Valedictory Function |

| | |
|----------------------|--|
| Dr. Tulsidas D | |
| Mr. RamKumar M | |
| Mr. Ramesh N G | |
| Mr. MadhuKumar Y C | |
| Mr. ArunKumar R | |
| Mr. Padmanabha G | |
| Mr. Chethan B P | |
| Mr. AnilKumar P R | |
| Miss Prathima C N | |
| Mr. Mahesha S | |
| Mr. HemanthKumar H R | |

(Signature)
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Main Road,
Bangalore-560 057

(Signature)
H.O.D. Dept. of Mech. Engg
S.C.E., Bangalore-560 057

About the College

Sapthagiri Group of Institutions is the creation of Sri Srinivasa Educational & Charitable trust, Bengaluru. Sapthagiri College of Engineering is the brainchild of honorable Sri Late Giryappa, Founder Chairman and Sri. G. Dayanand, Chairman of Sri Srinivasa Educational & Charitable trust. Sri G.D. Manoj, is the Executive Director of SCE. SCE began its glorious journey in the year 2001. It is approved and accredited by AICTE, New Delhi and is affiliated to VTU Belagavi, Karnataka. The campus of Sapthagiri College of Engineering is spread across 6.5 acres of lush green land with beautiful landscape. The area enjoys pleasant atmosphere throughout the year.

Vision

To be a best institution imparting quality engineering education to deal with community needs through learning and performance.

Mission

To implement path breaking student centric education methods. -To augment talent, nurture teamwork to transform to develop individual as responsible citizen. -To educate the students and faculties about entrepreneurship to meet vibrant requirements of the society. -Strengthen Industry-Institute Interaction for knowledge sharing.

Chief Patrons

Sri. G. Dayanand,

Chairman, Sri. Srinivasa Educational & Charitable Trust, Sapthagiri Group of Institutions, Bengaluru

Sri. G.D. Balaji,

Executive Director, Sri. Srinivasa Educational & Charitable Trust, Sapthagiri Group of Institutions

Sri. G.D. Manoj,

Executive Director, Sri. Srinivasa Educational & Charitable T, Sapthagiri Group of Institutions

Patron

Dr. Aswathkumar

Principal, SCE, Bengaluru

Convener

Dr. P Mahadevaswamy

Prof. & HOD, Dept. of ME, SCE, Bengaluru

FDP Coordinator

Mr. Arunkumar R

Asst. Professor, SCE, Bengaluru

Principal
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Faculty Development Programme

On

Teaching techniques in Computer aided engineering drawing

On

24th -28th July 2017

Organized by

Sapthagiri College of Engineering

Department of Mechanical Engineering

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru 560057

Phone: 080-28372800/01/02/03



About the FDP:

This Faculty Development Training Program is intended to provide opportunity for teachers employed in AICTE approved and Anna University affiliated institutions for teaching and upgrading their knowledge in the area of Composite Materials and Mechanics. The program will be very useful for those who are involved in teaching the course Composite Materials and Mechanics at UG level.

Topics to be Covered

Projections of Points and Lines, Projections of Plane surfaces, Projections of different solids, Projections of lateral surfaces of solids and Isometric Projections of different solids

Resource Persons:

Prof. Basavaraju S

Assistant Professor,
Department of Mechanical Engineering
Acharya Institute of Technology Bangalore

Prof. R G Deshpande

Assistant Professor
Department of Mechanical Engineering
B M S Institute of Technology Bangalore

DEPARTMENT OF MECHANICAL ENGINEERING
SAPTHAGIRI COLLEGE OF ENGINEERING

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FDP ON
Teaching techniques in Computer aided engineering drawing
Faculty Attendance

| Sl. No. | Name | 24-07-2017 | | 25-07-2017 | | 26-07-2017 | | 27-07-2017 | | 28-07-2017 | |
|---------|--------------------|------------|----|------------|----|------------|----|------------|----|------------|----|
| | | MS | AN | MS | AN | MS | AN | MS | AN | MS | AN |
| 1 | Dr. Tulgidas .D | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 2 | Arun Kumar .R | 1 | 2 | 3 | 4 | 5 | 5 | 6 | 7 | 8 | 9 |
| 3 | A.M. MAHESHA | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4 | HEMANTH KUMAR .H.R | 1 | 2 | 3 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 5 | MADHU KUMAR .Y.C | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 6 | RAMESH .N.G | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 7 | P.R. Rao | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 8 | RAJALAKSHMI .S | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 9 | BASAVARAJ GANGEAR | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 10 | NATARAJ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | RAM KUMAR .M | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 7 | 8 | 9 |
| 12 | Tilak . S | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 13 | PRAMOD .S.V | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 14 | G.R. Jagannath. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 15 | Chetan .B.P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 16 | MAHESHI .S | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 9 |
| 17 | ULLAS .C.S | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 18 | Deethima .C.N | 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 19 | T. Venkatesgowda | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 20 | Sangar .H.M. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |


Signature of Convener


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

REPORT

FDP on teaching techniques in Computer aided engineering drawing

Department of mechanical Engineering organized FDP on Teaching techniques in Computer aided engineering drawing

Speakers

Prof. R G Deshapande, Associate Professor, Department of Mechanical Engineering,, B M S Institute of Technology Bangalore.

Prof. Basavaraju S, Assistant Professor, Department of Mechanical Engineering, Acharya Institute of Technology Bangalore

Duration of the course: July 24th 2017 to July 28th 2017

| Date | Morning Session 9.30 a.m. to 12.30 p.m. | Afternoon Session 2.00 p.m. to 5.00 p.m. |
|------------|--|---|
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| 28/07/2017 | Isometric Projections of Solids | Valedictory Function |



The FDP intended to provide an intense discussion on teaching techniques in Computer aided engineering drawing, The faculty members felt that the session was informative & gained knowledge about basics of engineering drawing and effective methods in teaching the same.


Principal

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Bangalore- 560 057


Signature of the Convener

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Certificate

This is to Certify that Mr./Mrs. T VENKATE Gowda of has participated and successfully completed Five days FDP on "Teaching techniques in Computer aided engineering drawing" from 24th July to 28th July 2017 organized by the Mechanical Engineering Department Sapthagiri College of Engineering.


HOD

Dept of ME


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057


Principal