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3.2.2Additional Documents for the year 2017-2018

Sl. No.	Name of the workshop/ seminar	Department	Date From – To	Page Nos.
1.	Recent trends in power systems	EEE	30-10-2017	2-4
2.	Digital signal laboratory	EEE	22-01-2018 To 23-01-2018	5
3.	Career Opportunities in Civil Services	ECE	04-04-2018	6-7
4.	Career guidance - Higher Education Abroad and India	ECE	12-04-2018	8-10
5.	Two days workshop on Advanced IOT program using Texas Instrument MSP430	ECE	21.04.2018 to 22.04.18	11-15
6.	Vision Group on Science & Technology Sponsored 4 Days Faculty Development Programme on DATA ANALYTICS, NEXT GENERATION PROGRAMMING LANGUAGES AND SIMULATIONS	ISE	27-07-2018 To 31.07.2018	16-18

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belgaum, Approved by AICTE, New Delhi

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

Department of Electrical and Electronics Engineering

The Department of EEE is conducting Expert talk on

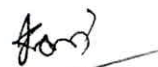## "RECENT TRENDS IN POWER SYSTEMS"

BY

Mr NITISH KUMAR

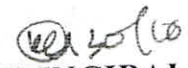The proud alumna of Electrical and Electronics Engineering Department on 30/10/2017

All the HOD's and staff are cordially invited to attend the same as per the given schedule.

Time: 3:30pm

Venue: LH – 406

Coordinators

HOD

PROF & HOD
Department of Electrical & Electronics Engineering
Sapthagiri College of Engineering
Bangalore - 560057.

PRINCIPAL
Principal
Sapthagiri College of Engineering

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

Address by Nitesh Kumar (2013 batch)

Report:

Department EEE has arranged an address by our college alumni student Mr. Nitesh Kumar on 30/10/2017 at the Room No 405 in the afternoon hours 9-30 to 10.30 am.

Mr. Nitesh Kumar is student of SCE from 2009-2013in EEE department. He passed out in the year 2013 with distinction. He his currently working with PRDC as an Engineer , Power research & development consultants Pvt ltd. An power system company which carries out continuous research on trends on power system and consultancies regarding power system problems.
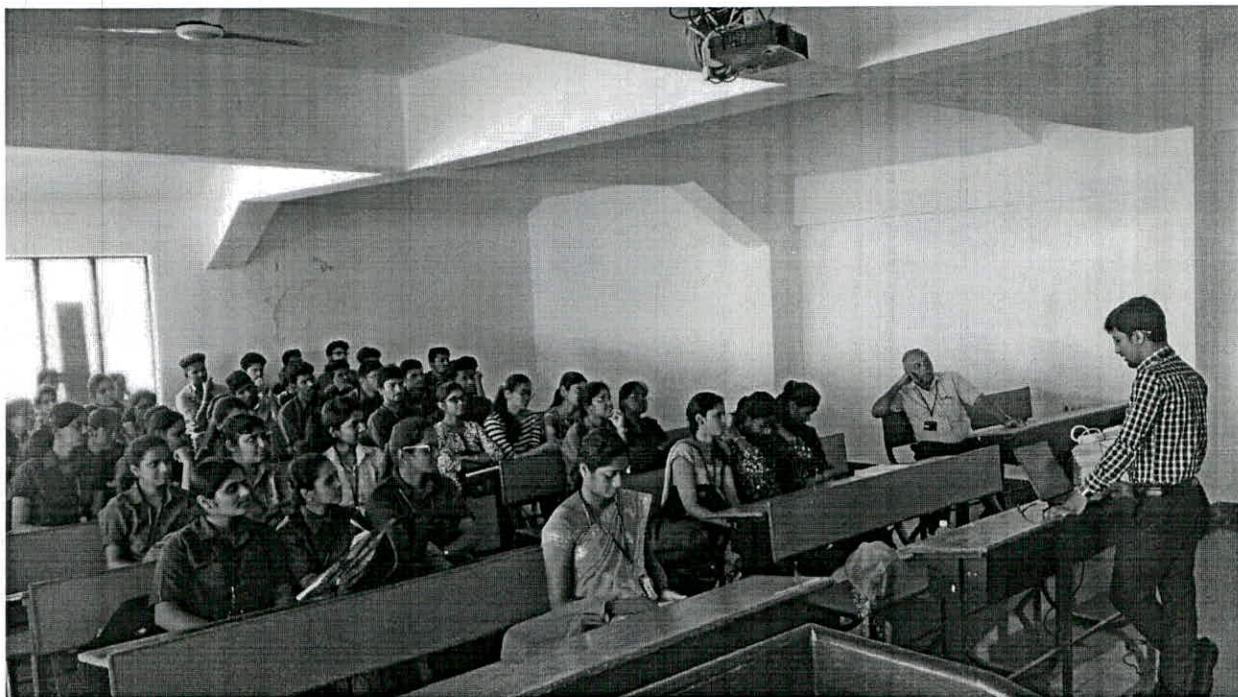

Mr Nitesh Kumar is basically working on Power system side.

Mr Nitesh Kumar addressed the students basically discussing on what s going to be the future trends in the Emerging trends in power system, what are the skill sets needed for students to be the part of growing this industry.

He also advised students to be familiar with Mi power and designing tools like matlab etc.

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He has given the tips to face interviews, group discussions and gave information on what industry people look from new engineers.

Overall the students felt that the session was a refreshing and it has boosted their morale and confidence.

Mrs. Rekha S N

(Alumni coordinator)

A Report

on the Workshop

Topic: **Digital signal laboratory**

By
Prof. Agalya P & Prof. Shobha
Department of Electronics and Communication
Sapthagiri college of Engineering, Bangalore

Date: 22/01/2018-23/01/2018

Time: 9.30 am to 3.30 pm

Venue: PSS lab

, SCE Bangalore.

The session started with introduction to the guest by Prof. Dr. K.N. Ravi .
It was a hands on training session on DSP lab, this lab was newly introduced in the revised syllabus. Hence training was arranged for faculties for two days.
At the end of the session the faculties were able to analyse the programs and execute.

Dr.K.N.Ravi

Professor & HOD EEE

Guest Lecture Report

Topic: "Career Opportunities in Civil Services"

By

Mr. Prakhar Pandey
KAS Officer,
Alumni, Dept of ECE
Sapthagiri College of Engineering
Bangalore

Date: 04.04.2018
Time: 11 am to 12.30 am
Venue: Seminar Hall, SCE Bangalore.

The session started with the introduction to Guest Mr. Prakhar Pandey, KAS Officer, Karnataka Commercial Tax Service(KCTS) and GST, Ministry of Finance, Govt of Karnataka. He also worked as Executive officer, Ministry of Home affairs, Ministry of Home affairs, Govt of India and he is also our alumni Department of ECE, SCE. He started the session with his college day memories as a student of ECE SCE. He advised the student to attend all the lecture and dedicate their next few years to built strong career.

The guest lecture was motivational speech for engineering students to groom their career. Most of the Civil services exams questions were discussed in between the session and motivated the students to take up Civil services entrance to accomplish their dream in Public
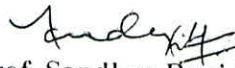
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sectors. Speaker also emphasizes that UPSC entrance score is considered during recruitment process in the public sector.

Students and faculties attending the Guest lecture by Mr.Prakhar Pandey

Prof. Vani V & Prof. Vani A
Guest Lecture/FDP Co-ordinators

Prof. Sandhya Rani MH
HOD ECE

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

Department of Electrical & Electronics Engineering

A two day workshop has been arranged on "Digital Signal Processing Laboratory" during 22-01-2018 and 23-01-2018. The resorce persons are Prof. Agalya.P and Prof.Shobha from EC-Department of our College.

Permission may please be accorded for the above.

HOD/EEE   **PROF & HOD**
Department of Electrical & Electronics Engineering
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Bangalore - 560057.

Principal 23/01/18

C.C. to HOD (ECE)

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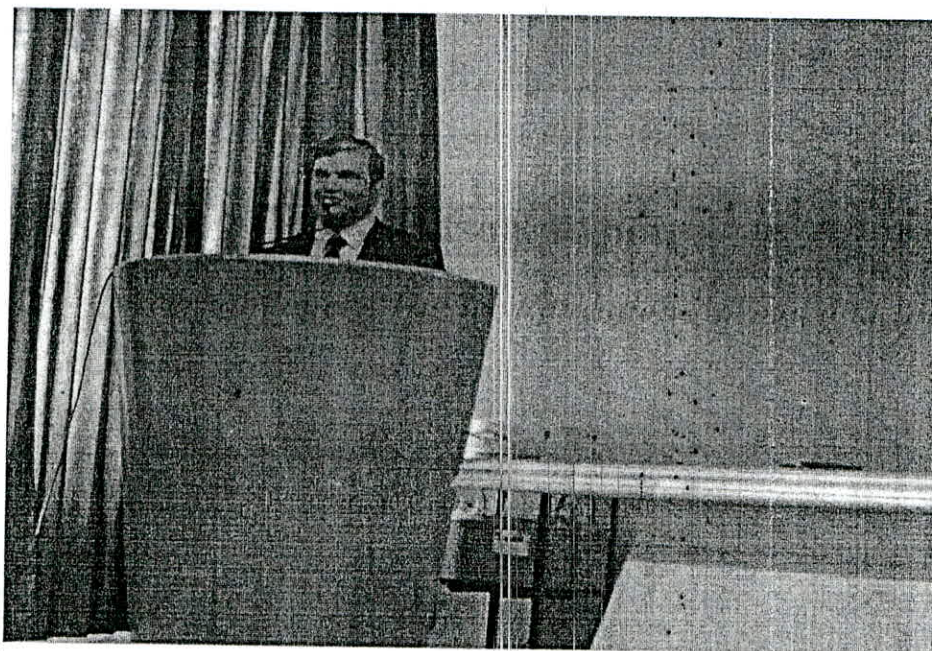Bengaluru - 560 057
Principal

Guest Lecture Report

Topic: *"Career guidance - Higher Education Abroad and India"*

By

Mr. Vivek Veeraiah,

Founder and CEO EdVista Consulting
Bangalore.

Date: 12.04.2018

Time: 11.30 to 12.30

Venue: Seminar Hall, SCE Bangalore.

Speaker Profile:

Vivek Veeraiah founder and CEO of EdVista Consulting. Completed his MS, MBA from New York University. He completed HBX CORe from Harvard Business School. He is alsoAdministrative Director and Adjunct Professor at New York University.

Lecture details:

Most of the students are in a state of confusion to choose their career ahead after engineering. The choice are many, advises galore all adding up to the grand confusion. For this reason Dept of ECE set up guest lecture on the Career Guidance for higher education.

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The programme started with the welcome note and introduced the guests. The speaker has taken a novel initiative of providing structured career guidance for the engineering students with an objective of creating awareness among them on various career choices of available after engineering. Career Guidance was a comprehensive, developmental program designed to our students in making and implementing informed higher educational opportunities and occupational choices.

Career guidance and counselling program develops an individual's competencies in self-knowledge, educational and occupational exploration, and the right career planning. Every higher education intended student requires an informative and dynamic seminar that will prepare them for those life-changing career decisions that they face. This career guidance program has put them in touch with today's changing global marketplace trends and tomorrow's career opportunities.

Students and faculties attending sessions of Mr. Vivek Veeraiah

Guest Lecture/FDP/Workshop Co ordinator

Prof. Vani V & Prof. Vani A

HOD ECE

13/04/2018

Prof.Sandhya Rani MH
Head of the Department
Electronics & Communication
Sapthagiri College of Engineering
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AGENDA

INAUGURATION - 9.00 AM to 9.30AM

o INVOCATION

o WELCOME ADDRESS

o LIGHTING THE LAMP

o ADDRESS BY PRINCIPAL

o INTRODUCTION OF THE GUEST

o VOTE OF THANKS

TEA BREK- 9.30 AM to 9.45 AM

Followed by Lecture Series

Date: 21-04-2018 to 22-04-2018

Venue: HDL Lab, Faraday Block

SAPTHAGIRI COLLEGE OF ENGINEERING,

DEPARTMENT OF

ELECTRONICS AND COMMUNICATION ENGINEERING

BENGALURU-560057

Cordially invites you for

Two days workshop

On

Advanced IOT program using Texas Instrument MSP 430

Mr. Sagar and Vivek,
Application Engineers
Telos Technologies
Bengaluru

PRESIDED BY:

Sri. Dayanand	Sri. Manoj
Chairman	Executive Directors

GRACED BY :

Dr. KL Shivabasappa, Principal, SCE.

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
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WORKSHOP REPORT ON

"Advanced IOT program using Texas Instrument MSP 430"

Date: 21.04.2018 to 22.04.2018

Objective of the workshop:

The objective of this workshop is to provide an opportunity for students to get aware of Advanced IOT programs and usage of Texas Instrument MSP 430 Microprocessor thereby developing a stepping stone towards the development of an Embedded System.

Venue: Microprocessor and CCN Lab, Faraday block, SCE

Coordinated by: Prof. Vani V and Prof. Vani A

In Association with: Telos Technologies, Bengaluru.

Number of Participants: 43

Inauguration and welcoming the speaker Mr. Sagar and Vivek, Application Engineers, Telos Technology, Bangalore by Prof.Sandhya Rani MH,HOD Dept of ECE, SCE , Bangalore.

Prof. Sandhya Rani MH, HOD ECE, SCE. welcoming the speaker Mr.Sagar, Telos Technologies. Bangalore.

Summary of Workshop:

Day1:

Session 1:

1. Introduction to IOT

> ➤ Application of Internet of things
> ➤ Building blocks of IOT that is sensors and actuators, connectivity, peoples and processes.
> ➤ Introduced IOT product from TI
> ➤ TI solution for IOT
> ➤ Encounters in the Internet of Things

2. Introduction to MSP430 Processor

> ➤ Architecture of MSP430 F5529LP
> ➤ Features of MSP430
> ➤ Comparison of MSP430 with other controllers

3. Practical Session

> ➤ Introduction to Energia software
> ➤ Introduction to CCSV6.1 Code Composer studio V6.1

Session 2:

1. Hands on session on MSP430 F5529LP using Energia software

> ➤ How to write program in Energia
> ➤ How to interface external LED with MSP430
> ➤ How to control LED using switches
> ➤ Interfacing Potentiometer with MSP430
> ➤ To control the speed of DC Motor using potentiometer

2.Using CCSV6.1 software

> ➤ To blink an LED
> ➤ To control LED using switch

Day 2:

Session 3:

1. Handson session on IOT using Energia

Introduction to CC3100 wifi booster pack

Configuring CC3100 as a web server and controlling on board peripherals using smart phone

> ➤ To control the peripherals of the board anywhere over the internet, using https protocols to send and receive data from web browser
> ➤ Enter ssid and password in code and connect the device to internet, upload the code to CC3100
> ➤ Open the web Browser and enter IP address which is displayed in serial monitor
> ➤ Control LEDs using webpage.

2. To create a chat server

> A simple server that distributes any incoming message to all the connected clients by using simple telnet client application and entering the IP address and type message.
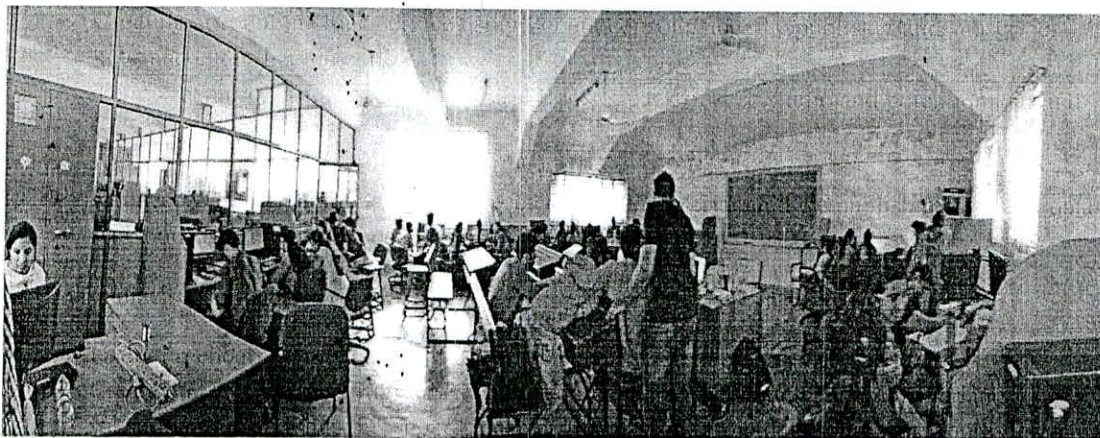> We can see the client input in serial monitor

Session 4:

1. Using Pubnub for sending sensor data to cloud

> Creating account in cloud service using Pubnut console, note the publisher and subscriber keys and enter them in code.
> To microcontroller interface Grove Base Booster pack of seed studio and potentiometer and wifi module
> Upload the code
> Connect Wifi then automatically connected to pubnub server and we publish message or data
> At cloud side in Pubnub console sensor values are received
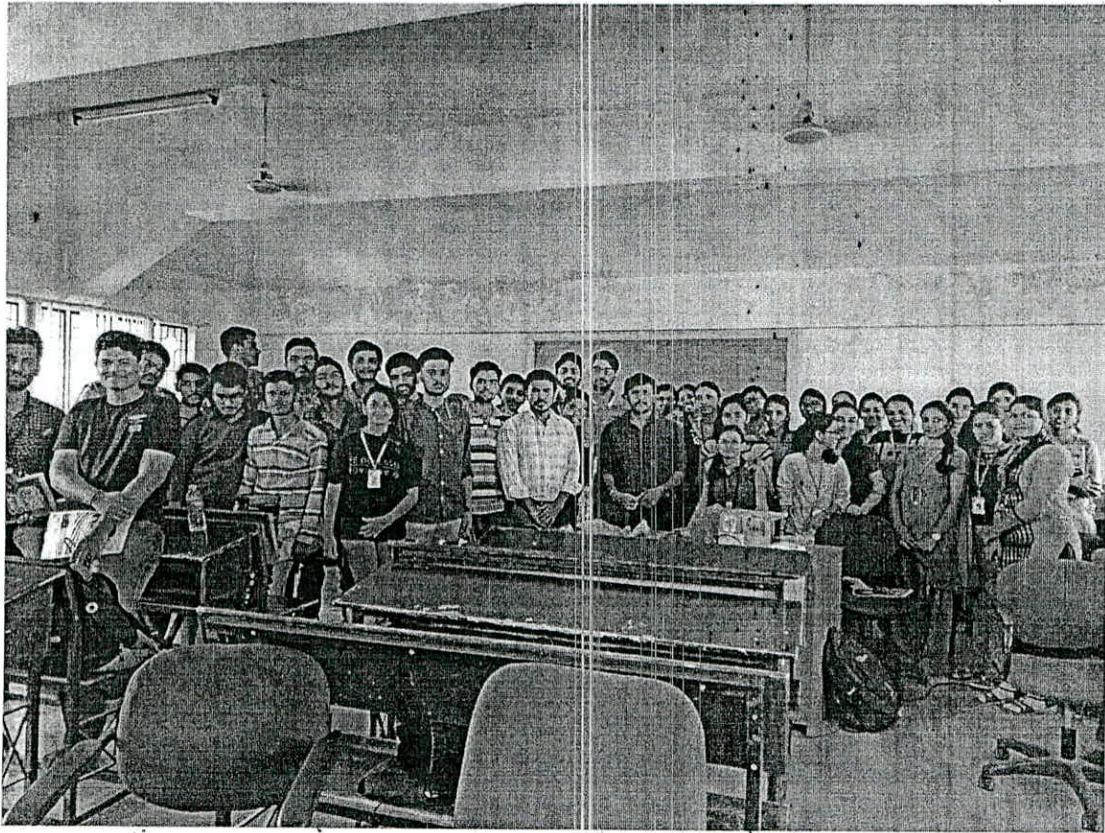
2. To visualize sensor data

> Using Freeboard.io to visualize the IOT, which provides a cloud side dash board.
> Create our own dash board by giving data source: here use Pubnub and publisher and subscriber key and thus, Freeboard receivers the payload from data source and represented in the format selected Ex: Sparkline, guage, graph etc.
> Explained to creat a wifi connected IOT sensor that calls when sensor values exceed threshold level using temboo.com and nexmo.com

Lab sessions during the workshop.

Students and faculties participating in the workshop.

Prof. Vani V & Prof. Vani A

FDP/Workshop/Seminar Coordinators

Prof. Sandhya Rani M H

(HOD ECE)

24/04/2018

VGST Sponsored

Four days FDP
on
**"DATA ANALYTICS,
NEXT GENERATION PROGRAMMING LANGUAGES
AND SIMULATIONS"**

27 – 31 July 2018

Registration Form

Name of the Participant:

....

Designation:..................................

Qualification:..................................

Experience:..................................

Name & Address of Institution: ....

....

....

Address for communication:

....

....

....

Email ID..................................

Mobile ....

Signature of the Applicant	Signature & Seal of the HOD/ Principal

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Chairman, Sri. Srinivasa Educational & Charitable Trust,
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Mr. Poojith Jain
Software Development Engineer, Microsoft, California

Mr. Manjunatha T.S.,
Architect, Technologist, Intel Technologies, Bengaluru

Dr. K. N. Ravi
Professor and Head, EEE, SCE, Bengaluru

Mr. C. K. MariGowda,
Deputy Director, International Collaboration, AcIT, Bengaluru

Convener
Prof. Prerana Chaithra
Associate Professor, ISE, SCE, Bengaluru

FDP Coordinators
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Asst. Professor, ISE, SCE, Bengaluru

Prof. Vijaykumar F.G
Asst. Professor, ISE, SCE, Bengaluru

Prof. Sanjaykumar J. Hamilpure
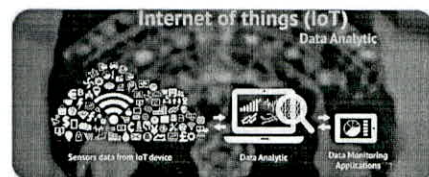Asst. Professor, ISE, SCE, Bengaluru

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Vision Group on Science & Technology
Sponsored

4 Days Faculty Development Programme
on

DATA ANALYTICS,

NEXT GENERATION PROGRAMMING

LANGUAGES AND SIMULATIONS

from 27–31 July 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

Principal
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VGST SPONSORED FDP-2018

Department of Information Science and Engineering of Sapthagiri college of Engineering has always been an initiator of many events. Four days VGST sponsored Faculty Development Programme on **"Data Analytics, Next Generation Programming Languages and Simulations"** was conducted from 27-July-2018 to 31-July-2018. The event was supported by the Management, Principal and Administrative Officer. The event was a huge success with Prof. Prerana Chaithra as the Convener and under the guidance of HoD Dr. H. R. Ranganatha, and coordination of all the faculties in the department. The main aim of the FDP was to enhance the skill sets of faculties in the cutting-edge technologies through Hands on sessions and industrial visit. Resource personnel were from various industries like Capgemini, Oracle, Robert Bosch, etc. The event was huge success with overall 55 participants and more than 40 participants from various Engineering colleges.

Vision Group on Science & Technology is a Government Organization established in 2008 under the Chairmanship of Bharat Ratna Profesor C.N.R. Rao, F.R.S. Its aim is to catalyze, facilitate, promote by supporting Science and Technology promotional. It deals with strengthening Institutions with Science and Technology facilities for imparting quality teaching and research.

Industrial Visit was organized to a German based company **RITTAL India Pvt. Ltd. RITTAL was the Finalist at DCD Global Data Centers Award 2018.** It is a German Company. Its Headquarters is at Herborn, Hesse, Germany. It has branches in more than 70 countries across the world. It is in Doddaballapur, Karnataka, India. This Industrial visit was mainly regarding Data Centers and Cutting-Edge technologies. RITTAL is the first company in the world where Industry 4.0 is completely implemented.

Chief guests for the Inauguration were Dr. S.G. Sreekanteswar Swamy, Executive Secretary & Consultant VGST , Dr. Shantharam Nayak, Professor and Secretary EWA,

Principal
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RVCE, Bengaluru and Mr. Pranjal Jayachandra, Senior Director, Global Lead, Automation, Capgemini.

Resource Personnel from VV Technologies for Internet of Things

Resource personnel from RVCE for Big Data Aanalytics

H R Roy