# Kammavari Sangham (R) - 1952
# K.S.Group of Institutions
# K. S. INSTITUTE OF TECHNOLOGY

#14,Raghuvanahalli,Kanakapura Main Road,Bengaluru-560062

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
## REPORT ON SEMINAR
## "CAREER GUIDANCE"

The Department of Computer Science and Engineering in association with CSI and IEI Organized seminar on "Career Guidance" on 6th July, 2020.The students of 8th semester & 6th semester were the targeted participated.

**Speaker**

Mr. Shashvath Bhaskar
Technical Project Manager & Security Champion,
Intel Corporation
San jose, California

**Objective :**

To bring awareness among students about various career paths,fields, job opportunities available.

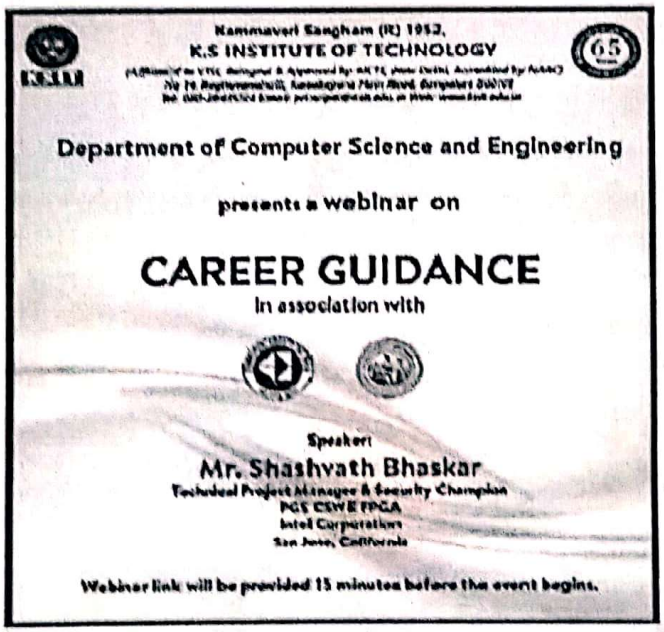


Fig. 1 Seminar on "Career Guidance

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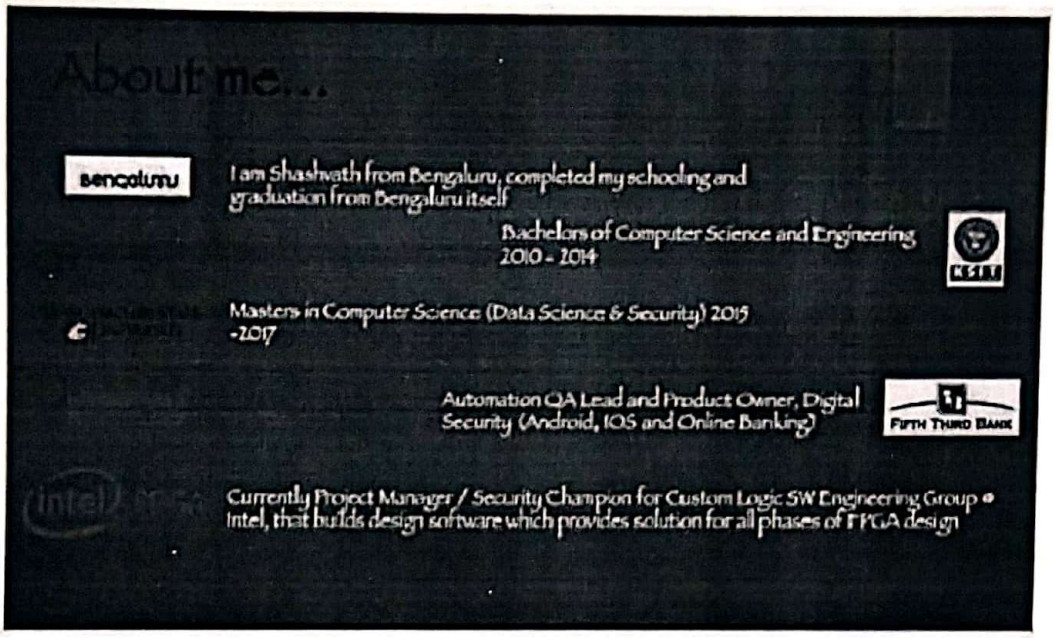


Fig. 2 Speaker's Introduction

**HIGHLIGHTS:**

Students Attending the Webinar had observed the following:

1. Doing masters - How, Pros, Cons
2. Online Studying and available resources
3. Job Opportunities and Certifications
4. Queries raised by the students

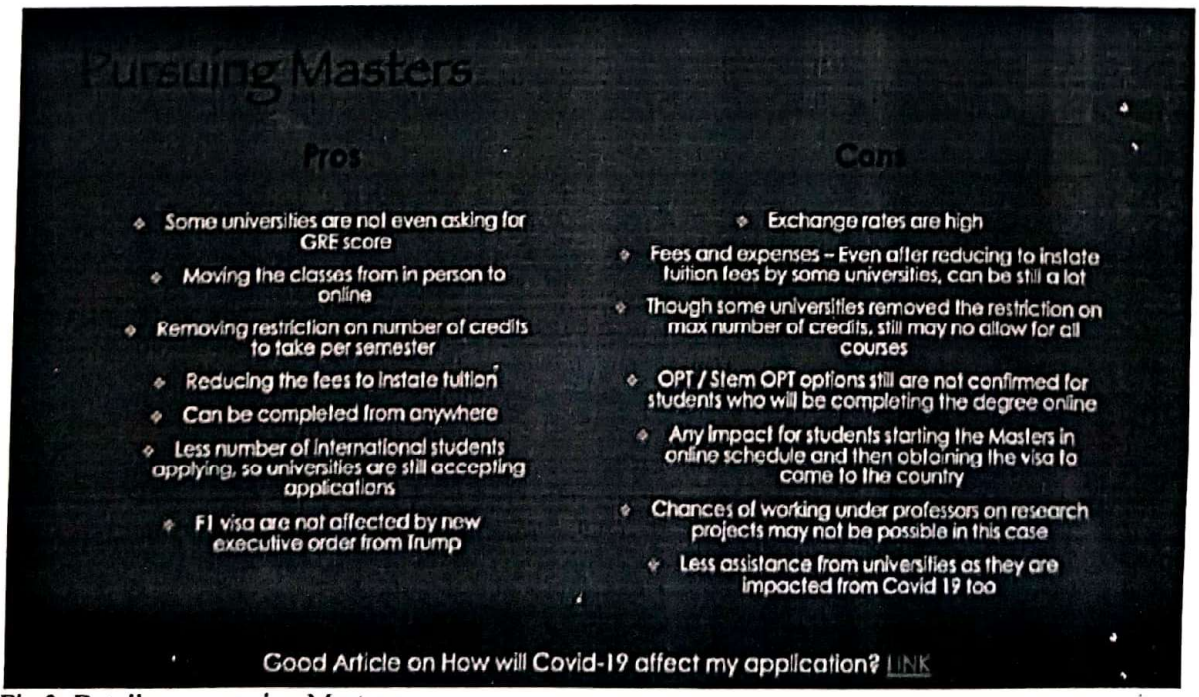


Fig 3: Details on pursuing Masters

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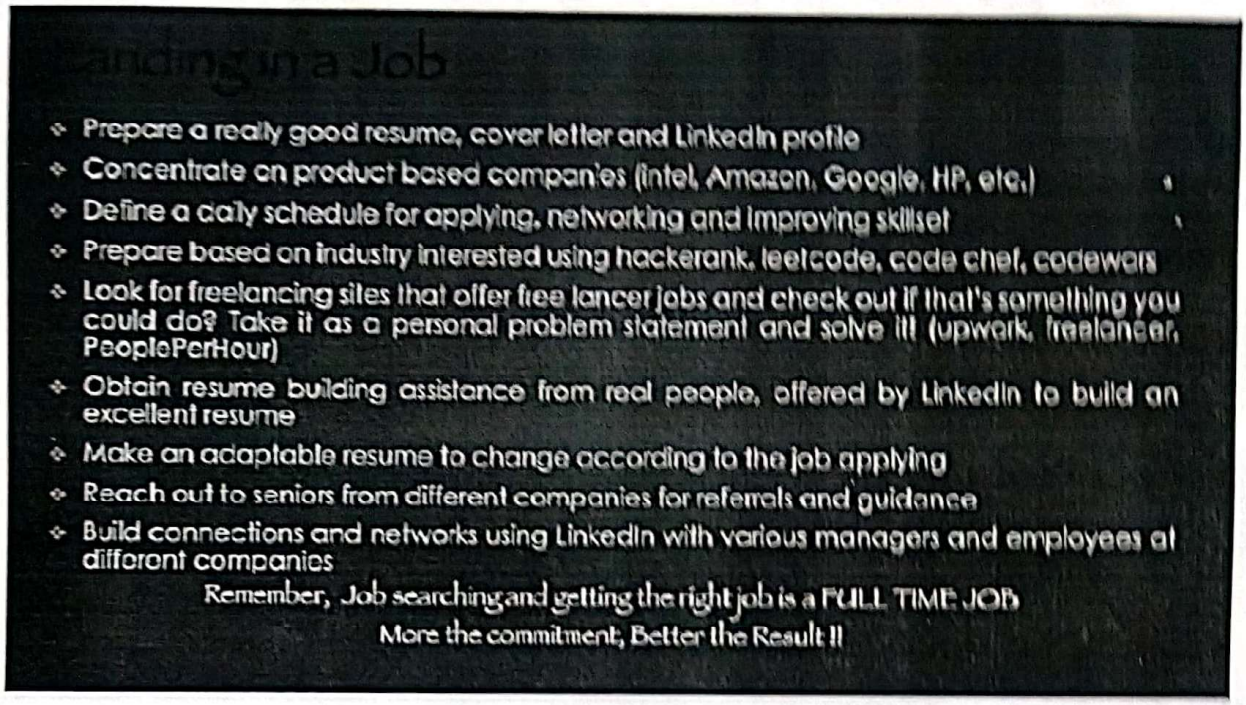


Fig 4: Details on Job Opportunities

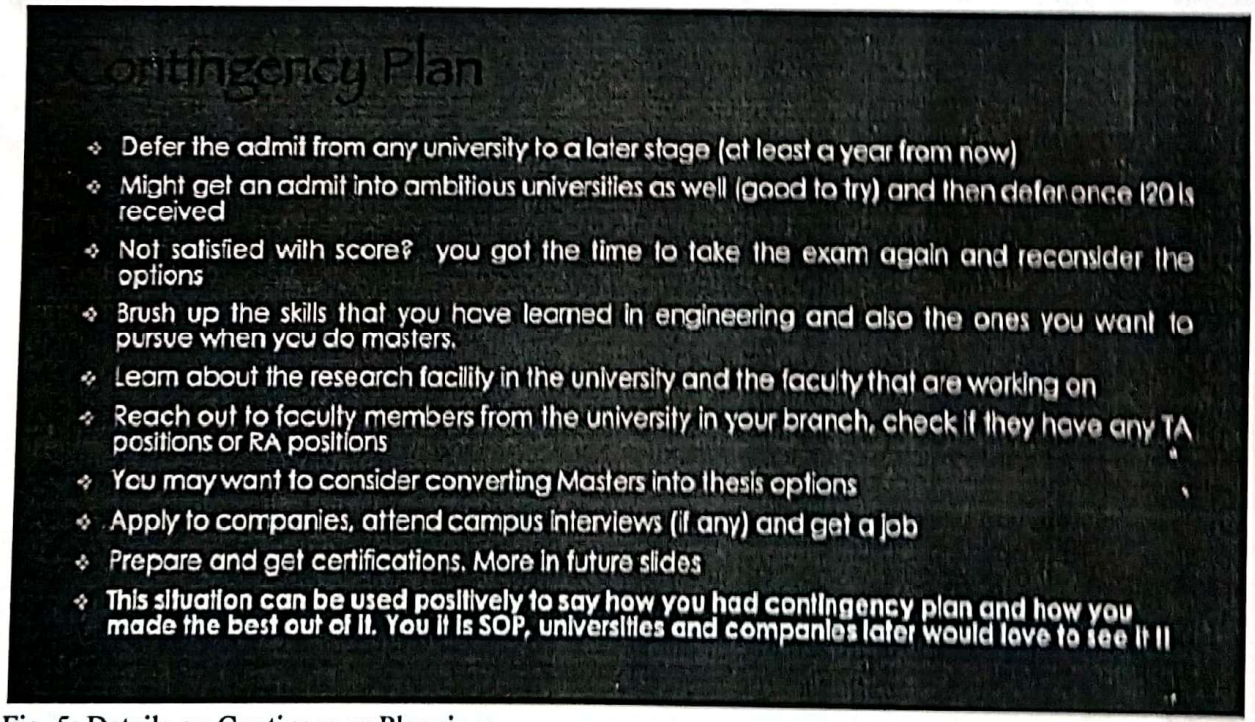


Fig. 5: Details on Contingency Planning

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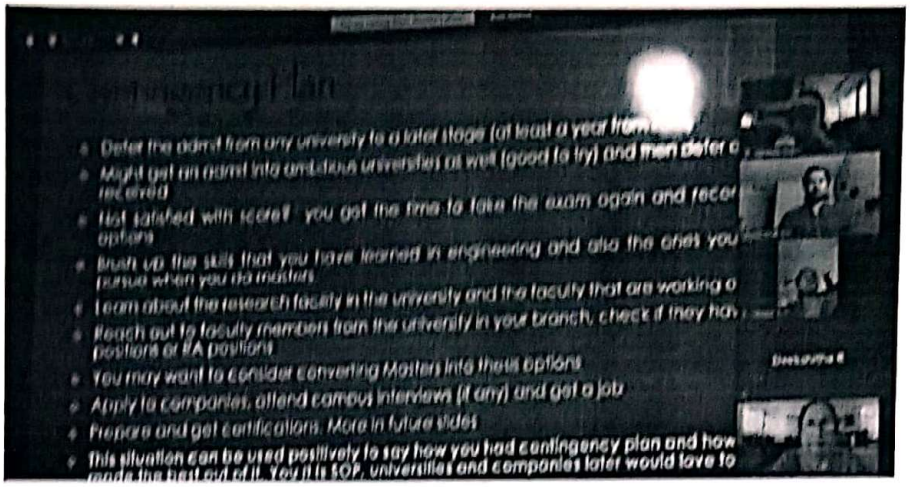


Fig. 6: Webinar Online Session

**Program Outcomes:**

The webinar gave a platform for students in which Student can choose their career path and opportunities provided to students.

The Students of KSIT thoroughly enjoyed the program and learnt a lot about Higher Studies, Job Opportunities, etc. Students had a chance to interact with Speaker.

Coordinator

HOD 22/7/2020

1. Mrs. Vaneeta.M
2. Mrs. Deepa S R

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

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# K.S. Institute of Technology

# Department of Telecommunication Engineering

# Workshop Report

Event name: INTROARDUINO-2020

Date: 28th and 29th February 2020

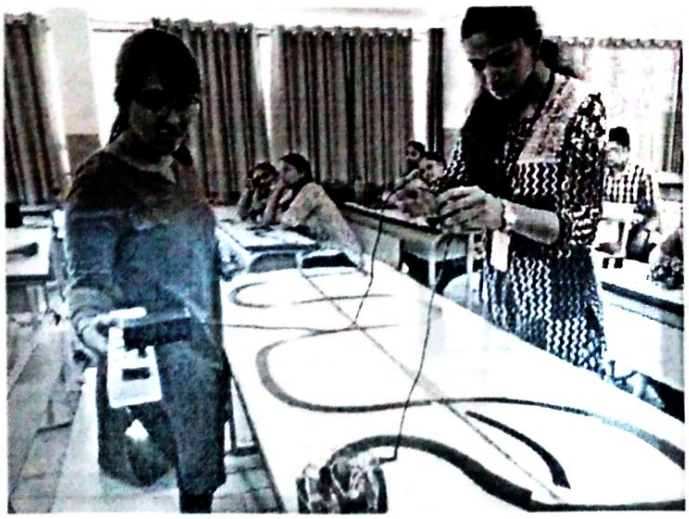
## OBJECTIVE

The Department of Telecommunication Engineering and the IETE committee had conducted the workshop on 28th and 29th February based on Arduino and sensors. The main objective of the workshop was to learn the basic theory of Arduino boards and sensors and how to use it practically.

## WORKSHOP DETAILS

The workshop was conducted by Mr.Bharath and Mr.Rahul who were the students of KSIT,Telecommunication Department. **'INVERSA TECHNOSOFT'** is their own startup through which they conduct workshops in various colleges and help students to gain practical knowledge. The first day of the workshop they thought us the basics of Arduino board and coding used in it. We conducted several experiments using it which was very helpful. We were also introduced to Atmel 328p microcontroller which is of 8 bit RISC architecture.

On the same day we built a obstacle follower and line follower bot and learnt its working. The next day the competition was conducted based on bot we built on the previous day. After the competition they thought us about different sensors like ultrasound sensor, light sensor, temperature sensors and servo motors.



## OUTCOMES

1.We learnt all the basic concepts of Arduino and sensors.

2.We learnt the coding used for Arduino boards.

3.All the sensors, motor drivers and servo motors were explained in detail.

The workshop conducted was useful and successful.

Thankyou

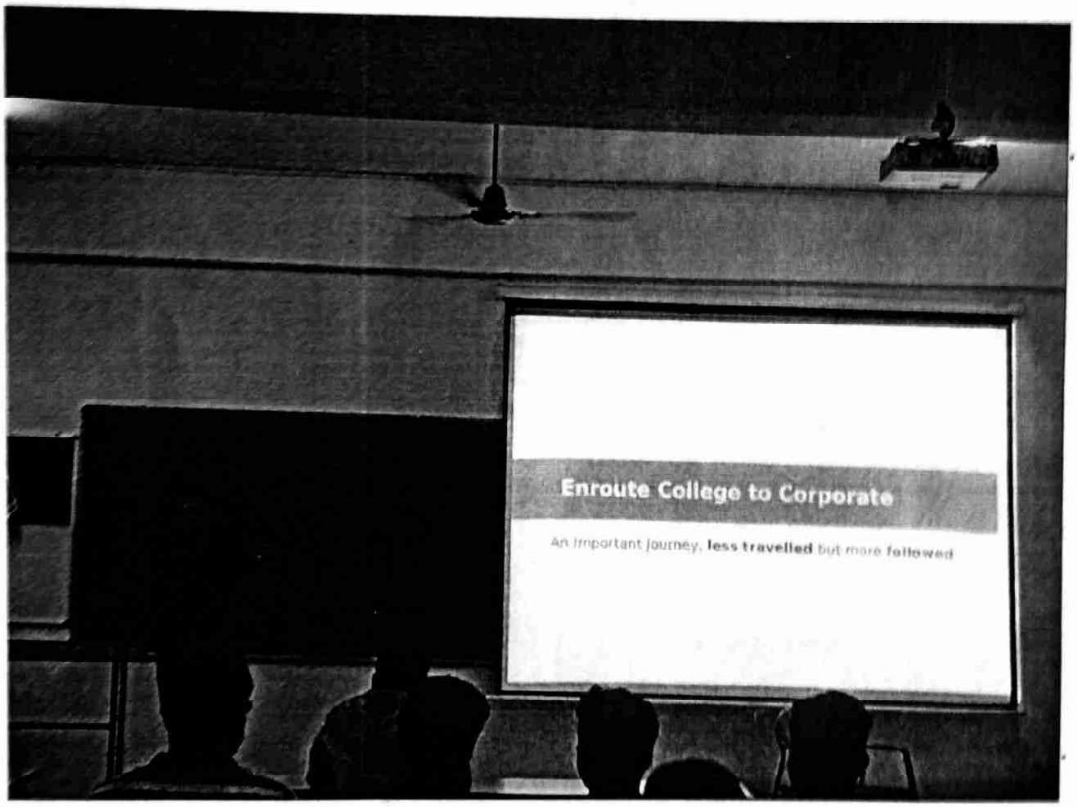
# K.S.INSITITUTE OF TECHNOLOGY

## Department of Telecommunication Engineering

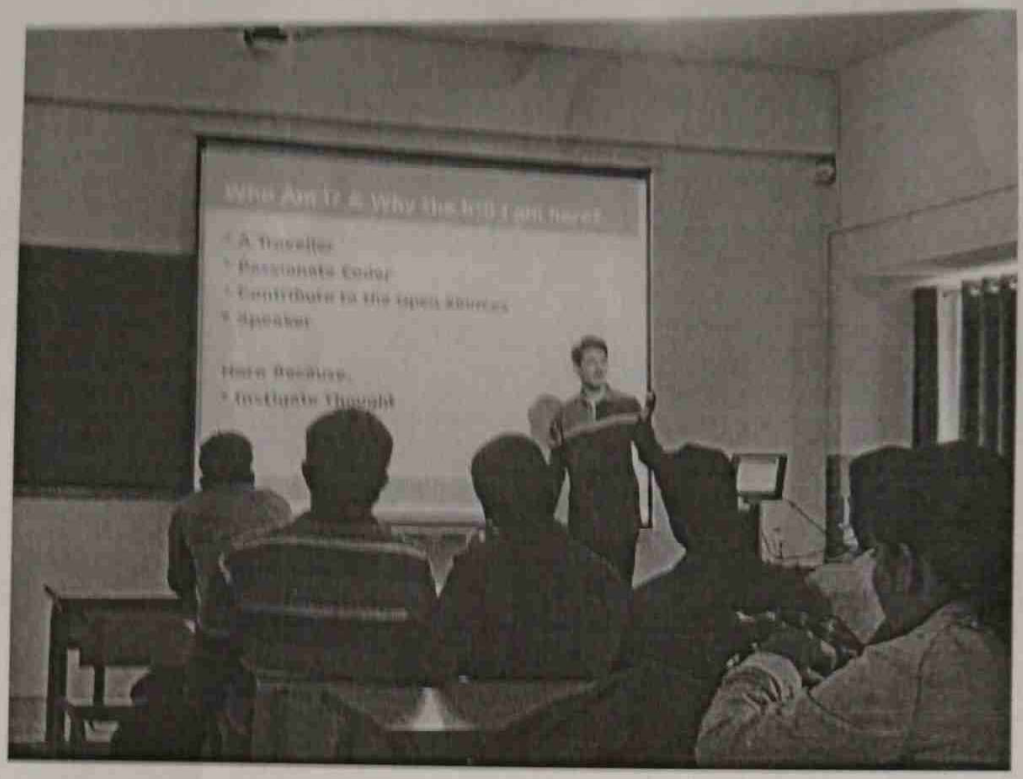
### Report on

### *Technical Talk- 25th February 2020*

A Technical Talk on **"Enroute College to Corporate"**, by Mr. **Nishith H M**, Alumni 2016 batch, was organized by Department of Telecommunication Engineering K.S.I.T on 25th of February 2020 in TCE Department. The Seminar began with a welcome speech introducing the resource person to the audience i.e. 8th and 6th Semester Students.

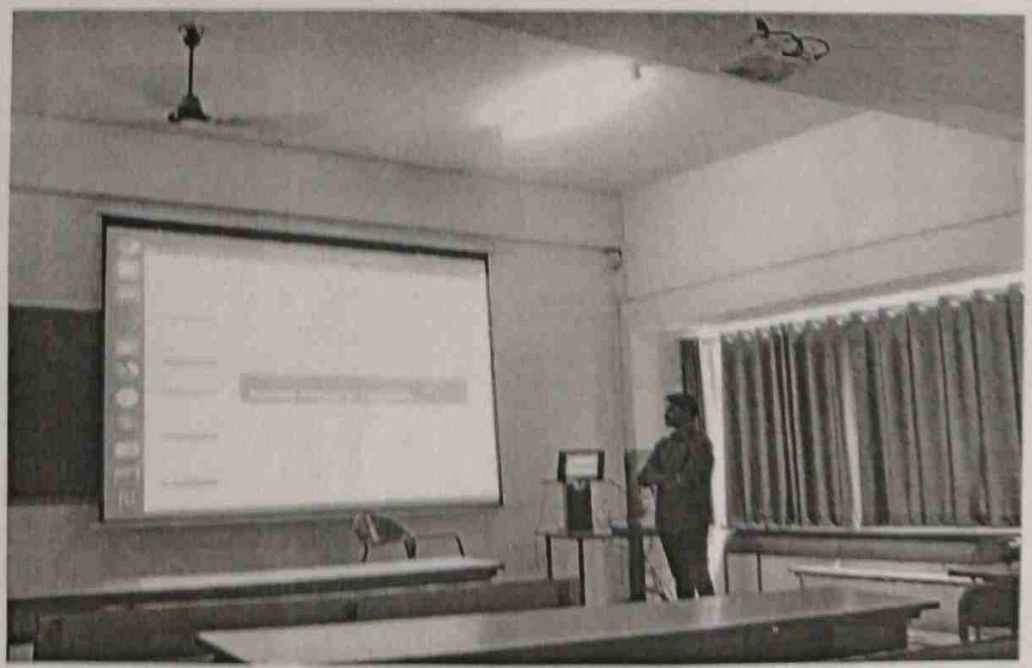



Mr. Nishith H M was a very motivational speaker, he shared with us his knowledge on Busting Myths ,Time Flies and Trends . During the session he spoke to the crowd with great interaction which allowed the crowd to involve with him in the talk.



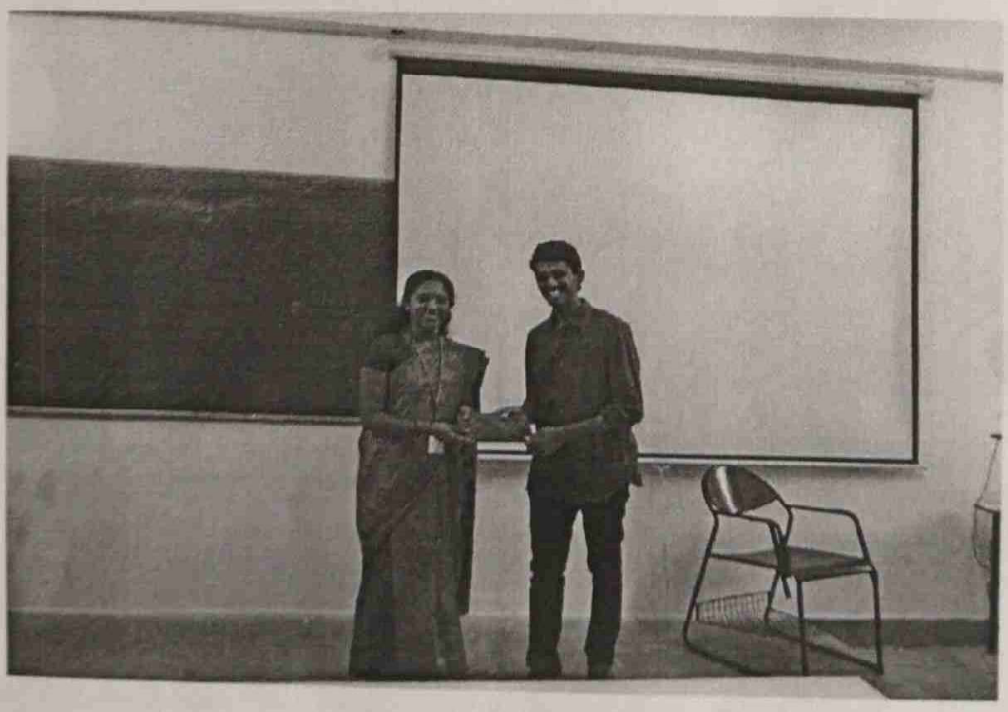
He mainly focused on the following aspects:

- Aptitudes
- Group Discussions
- Technical Round
- Personal Interview
- Handle rejections
- Difference between college and corporate
- Time Flies
- Trends and Trend Setters
- Industry and corporate trends
- College trends
- A better way of training mind



On the whole the Talk was educative on both theoretical as well as Practical aspects. Overall 60 Students from sixth semester TCE were involved. The talk was very helpful to all the students who are finding it difficult to decide on which programming courses to be taken up next.

It also motivated students to learn new technologies and programming languages. The Talk ended with vote of thanks. All the students liked the session very much and are looking forward to many more like this.



The entire Department thank Principal and Management for supporting us throughout the event and making this event a successful one.

**Mapping of workshop with PO'S and PSO'S**

| Program | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Technical Talk | 1 | 1 | 1 | 1 | 1 | - | - | - | - | 1 | - | 2 |

- PO1: Students gained the knowledge of engineering fundamentals.
- PO2: Students can be able to analyze complex engineering problems.
- PO3: Students can be able to apply the knowledge in designing new webpages.
- PO4: Students can identify complex problems for research work.
- PO5: Students can utilize modern tools for research work.
- PO10: Students can communicate effectively by gaining knowledge.
- PO12: Students can apply the basic knowledge in lifelong learning of new programming languages.

Rekha N
Co-ordinator

27.2.2020

26/2/2020

Dr. Chanda.V. Reddy
HOD

HEAD OF THE DEPARTMENT
Dept of Telecommunication Engg.
K.S Institute of Technology
BANGALORE-560 062

# K.S.INSITITUTE OF TECHNOLOGY

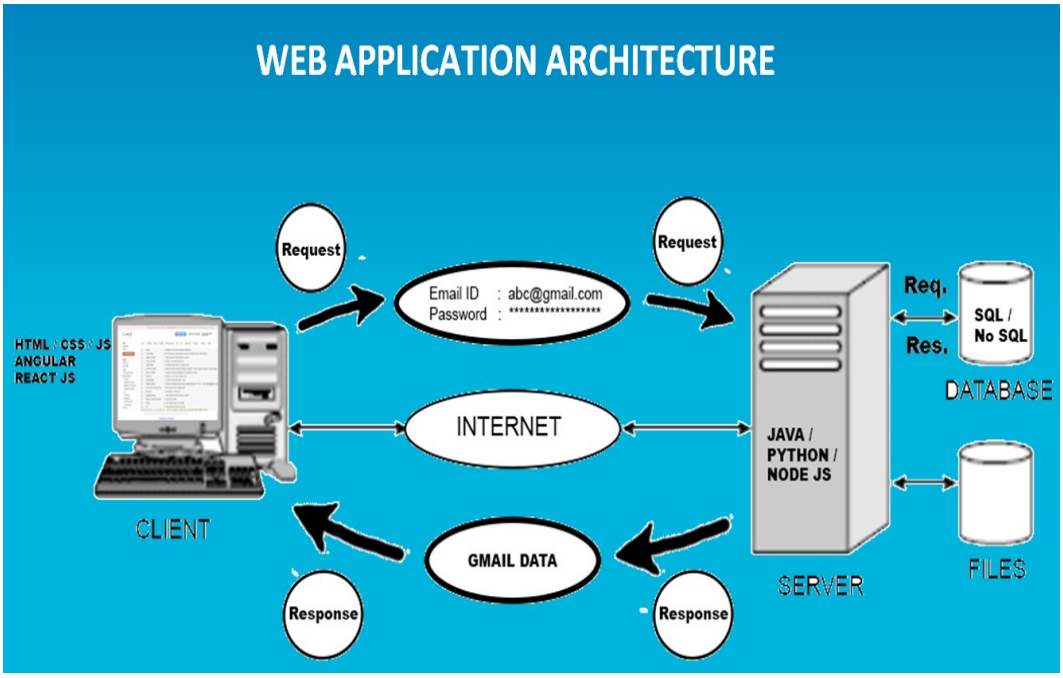
## Department of Telecommunication Engineering

### Report on

### *Technical Talk- 15th February 2020*

A Technical Talk on **"Web and Mobile Application Development",** by M**r. Raghu. K,** Application Developer, Accenture, Bangalore, was organized by Department of Telecommunication Engineering K.S.I.T on 15th of February 2020 in TCE Department. The Seminar began with a welcome speech introducing the resource person to the audience i.e. 6th Semester Students.

Mr. Raghu. K was a very motivational speaker, he shared with us his knowledge on Web and Mobile Applications. During the session he spoke to the crowd with great interaction which allowed the crowd to involve with him in the talk.




***Web Application Architecture was the Focus of the talk***

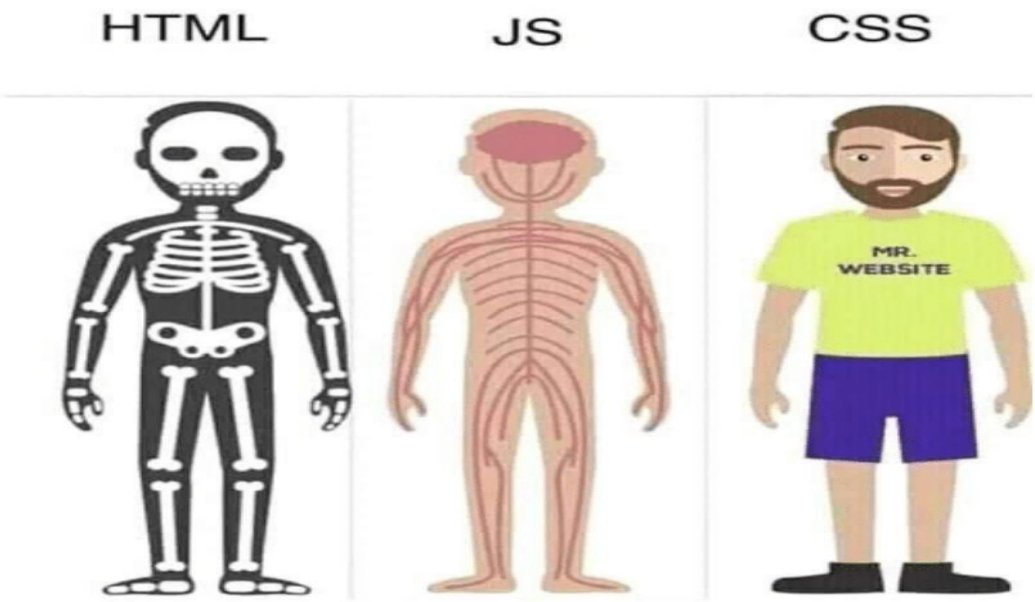
He spoke about the Programming Languages used for Web development. Very effectively he outlined the languages used for Web development.

He mainly focused on the following aspects:

- Web and Mobile Applications
- Programming languages on web and Mobile Applications.
- How to choose the required programming languages for my web and mobile apps
- How do I get job by learning programming languages?

Programming Languages used for Web and Mobile Application Development

The difference between HTML, JavaScript and CSS was clearly explained with example programs.




Difference between HTML, JavaScript and CSS

At the end of the session there was lot to learn and implement in academics. The discussion of how to master the languages was done and following points were discussed.

- Hard work
- Technique
- Implementation
- Repetitions

Also the guidance regarding how to get a job using these programming skills was given and following points discussed:

- Create website or mobile applications.
- Show your website or mobile applications to the interviewer.
- Discuss those things in your interview.

Mr. Raghu. K explaining about Mobile Application Architecture.

Mr. Raghu. K discussing about Programming Languages and their Applications.

On the whole the Talk was educative on both theoretical as well as Practical aspects. Overall 40 Students from sixth semester TCE were involved. The talk was very helpful to all the students who are finding it difficult to decide on which programming courses to be taken up next.

It also motivated students to learn new technologies and programming languages. The Talk ended with vote of thanks. All the students liked the session very much and are looking forward to many more like this.

The entire Department thank Principal and Management for supporting us throughout the event and making this event a successful one.

**Mapping of workshop with PO'S and PSO'S**

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Srividya. R
Co-ordinator

Dr. Chanda.V. Reddy
HOD

# K.S.INSTITUTE OF TECHNOLOGY

KSIT Alumni Association
'Chiranthana'

The Alumni Meet was organized on 10th November 2019 in KSIT conference hall at 11.00 am

The Registration for the Alumni Meet started at 10.00 am. The total number of Alumni who attended the meet was 137

Registration Desk

Ms.Sree Lalitha.V , Alumni of 2010 and currently working as Deputy Manager, Continental India Pvt.Ltd. was present as the Chief Guest for the Alumni Meet. Mr.Nagendra B.M an Alumni of 2014 and working as Script Writer and Content Director for Kannada Film and TV Industires, was present as Guest of Honor. Mr.K.V.A.Balaji, CEO K.S.Group of Institution, and Mr.K.Ramanarshima, Principal of KSSEM and Dr.T.V.Govindaraju Principal of K.S.I.T and Rector of the Alumni Association were also graced the occasion

Dignitaries on the Diaz

After the registration Meet begin at 11.00 am .with an invocation song by the students of ECE and C.Sc Department.

Invocation Song

Ms. Ananya, Telecommunication student welcomed the Alumni Guests and other Dignitaries for the meet.

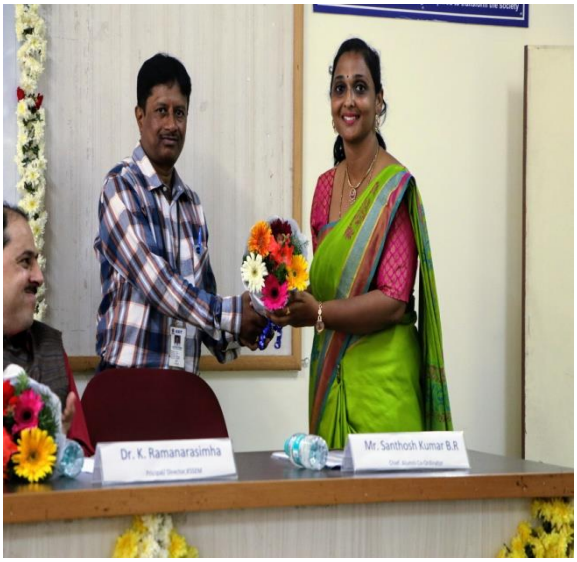
CEO Welcoming Chief Guest

Principal Welcoming Guest of Honor

Principal Welcoming Dr.K.V.A. Balaji CEO, K.S.Group of Institutions

Alumni Association President Welcoming KSSEM Principal

Alumni Coordinator welcoming the Principal




Alumni Association Secretary Welcoming the Alumni Coordinator

After Welcoming the Alumni Guests, Dignitaries and Alumni's present did the lighting of the lamp

D

Dignitaries Lighting the Lamp

After lighting the lamp the Mr.Santhosh Kumar Alumni Association Coordinator presented the report about the activities of the association. Then Chief Guest and Guest of Honor addressed the gathering. The Chief Guest in her address refreshed her memories of KSIT and also she remembered the help she got from the faculty members during her studies. The Guest of Honor shared his experience of the film industry and also said the difficulties he faced when he changed his career from company to industry.

Ms..Sree Lalitha Chief Guest and Mr.Nagendra Guest of Honor Addressing the gathering

After the Alumni Guests address the Alumni's present were requested to share their view s and also the share the memories of the college days.

Alumni sharing the memories and successes

After the Alumni's view the Chief Guest was presented a Memento by Dr.K.V.A.Balaji, CEO K.S.Group of Institutions

Then the Guest of Honor was presented a Memento by the Principal K.S. Institute of Technology

Then the Alumni Contributors were presented award for the contributions they have made to the organization. Mr.Ashwik Prabhu Alumni of 2010 batch was awarded for the activities conducted for the Mechanical students through Alumni Association. Ms.Girishma an Alumni of 2017 batch was also awarded for the support extended to computer science department in organizing the Centinal Hackthon 2019.

Mr. Mr.Ashwik Prabhu and Ms. Girishma receiving Alumni contributor award from the Dignitaries

After the felicitation Dr.K.V.A.Balaji, CEO ,K.S.Group of Institutions addressed the Alumni's present. In his address he thanked the Alumni's for attending the meet and also requested them to keep visiting the institute.

Dr.K.V.A.Balaji, CEO K.S.Group of Institutions addressing the Alumni

After the CEO addresses Dr.T.VGovindaraju, Principal and also Rector of the Alumni association addressed the Alumni's present. In his address he appreciated the Alumni who have come forward to conduct the various activities for the benefit of the present students. He also motivated the Alumni's to come forward to help in organizing more events for the benefit of the student community though Alumni Association.

Principal and Rector of the Association addressing the Alumni's

After the Principal address the entertainment program was presented by Mr.Hrthvik and team

Mr.Hruthvik and team presenting the entertainment

After the entertainment program the meet was concluded by presenting the vote of thanks. After the vote of thanks the Principal distributing ributed the mementoes to the Alumni present

Principal Distributing the Mementoes

Group Photo after the Meet 2019

Alumni Coordinator
Santhosh Kumar B.R

15.11.2019

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# K.S. INSTITUTE OF TECHNOLOGY
## Alumni Association 'Chirantana'

## Department of Electronics & Communication Engineering
**REPORT**
**On**

1 day workshop on Multisim using NI

**A 1 day workshop on Multisim using NI is organized on 10 th October 2019 by ECE Department, K.S. Institute of technology** for B.E 3rd Semester students, Faculty and non-teaching faculty in DSP lab of EC Department.

Objective of the event:

- To provide exposure to Teaching Staff/ Non teaching Technical Staff/ Students to simulate the experiments on Multisim Using NI, according to the new syllabus framed by VTU.
- To provide students and faculty an opportunity to simulate the experiments of ED&I Lab and DSD Labs.
- To analyze various discrete components necessary for building an analog /digital circuit.
- To recommend various image enhancement techniques according to the applications.
- To test and analyze various analog and digital circuits required for the laboratory.
- To demonstrate the ability to design, develop solutions for analog and digital circuits in Electronics & Communication Engineering using hardware and software tools with social concerns.

Outcomes of the event:

- Students and faculty gained knowledge on the simulation of analog and digital circuits.
- Students and faculty understood the different methods to test a given electronic circuits.
- Application of Simulation software's to design analog and digital electronic circuits.

A one day workshop on on Multisim using NI has been organized by Mr. Santhosh Kumar BRS, Associate professor and Mrs P.Pragati , Assistant professor on 10 th October 2019, according to the new syllabus of VTU for simulation experiments. The Workshop started at 10.30 AM in the DSP lab of EC Department. Dr. Ravi Kumar, Associate Professor and Dr.Bhaskar, Associate Professor from SJBIT are the resource persons agreed to discuss and share the details about simulation software using MultiSim. Mr. Santhosh Kumar BRS and Mrs P.Pragati welcomed the resource persons and Dr.P.N Sudha ,HOD of ECE,KSIT.

A good number of 26 participants from students, Faculty and Lab Instructors of ECE and TC courses have attended the workshop. The workshop has provided the students and faculty an exposure to basics and applications of simulation software to conduct both Analog and Digital experiments using Simulation Software of MultiSIM. In the morning session Dr. Ravi Kumar, Associate Professor from SJBIT discussed simulation experiments for Digital Circuits using hands on session for both students and the staff. The Simulation experiments for Analog Circuits was discussed by Dr.Bhaskar, Associate Professor from SJBIT in the afternoon session.
Followed by the two sessions, the resource persons were awarded with mementos by Dr.P N Sudha, EC HOD, KSIT. Students and teachers enjoyed a lot in simulating and testing both analog and digital circuits.

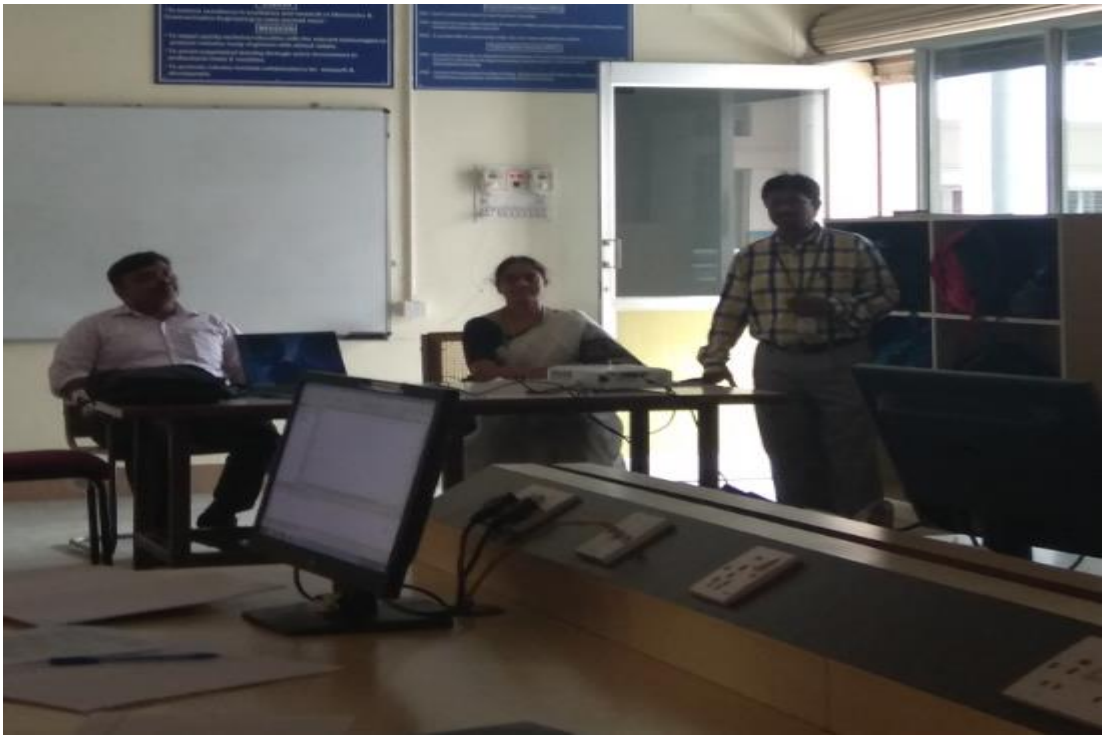
This workshop gave confidence to students and teachers to test and simulate the circuits required for the labs or to do any mini projects with out the necessity of hardware components.
The topics covered are:
The topics covered are:

**Day-1**

**1. Introduction to Multisim using NI**

**10.30AM to 1PM:**

- Introduction to Multisim using NI.
- Design Serial Adder with Accumulator and Simulate using Simulation tool.
- Design Binary Multiplier and Simulate using Simulation tool Construction and simulation tool.



Mr. Santhosh Kumar rofessor welcoming the resource person **Mr. Ravi Kumar**

**1PM-2PM:**

- Lunch Break

**2PM-4.30 PM:**

- Input and Output characteristics of BJT Common emitter configuration and evaluation of parameters.
- Transfer and drain characteristics of a JFET and MOSFET.
- UJT triggering circuit for Controlled Full wave Rectifier. 4. Design and simulation of Regulated power supply.

Dr.P N Sudha presenting a token of appreciation to the resource Persons

Coordinators
Mr.Santhosh Kumar BRS
Mrs. P.Pragati

HOD
Dr. PN.Sudha

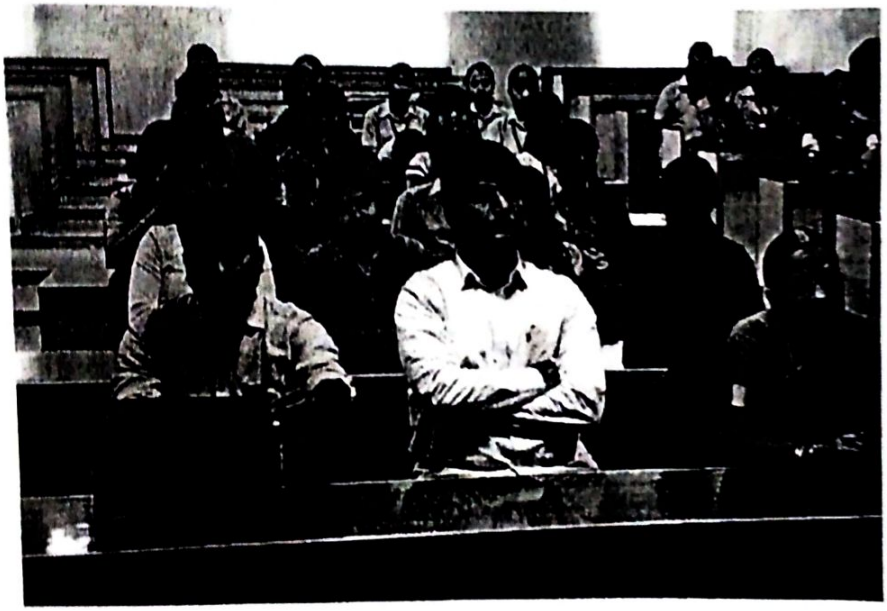
Principal
Dr. T.V. Govindaraju

# K.S.INSTITUTE OF TECHNOLOGY, BENGALURU-109
# DEPARTMENT OF TELECOMMUNICATION ENGINEERING
# 2019-2020(ODD)

## TALK ON "DIGITAL MARKETING,DATA ANALYTICS AND IOT"

The Department of Telecommunication Engineering had conducted a talk on digital marketing, data analytics and IOT on 27th of September 2019.

The talk was presented by Mr. BHARATH GOWDA and Mr. RAHUL KUMAR alumni , 2017 batch.



## Contents of the talk

**Digital marketing**

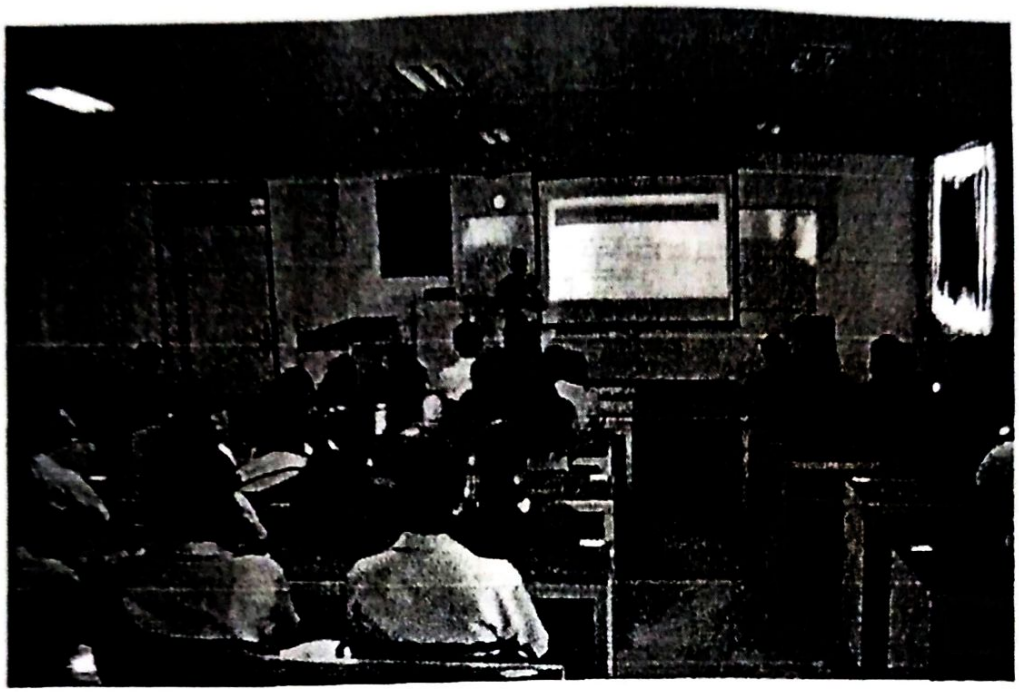
* Why marketing?
* What is marketing?
* Advantages and disadvantages of marketing
* What is traditional marketing?
* What is digital marketing?

* How to earn from digital marketing?

* Advantages and disadvantages of digital marketing

* Career in digital marketing

* Average salary



**Data analytics**

* What is data?

* What is analytics?

* Information about

- Internal data

- E-commerce

- Real state pricing

- Personal data and employee data

* Predictive and perceptive analysis

* Skills to become a data analyst

* Job opportunities and average salary of a data analyst.

IOT

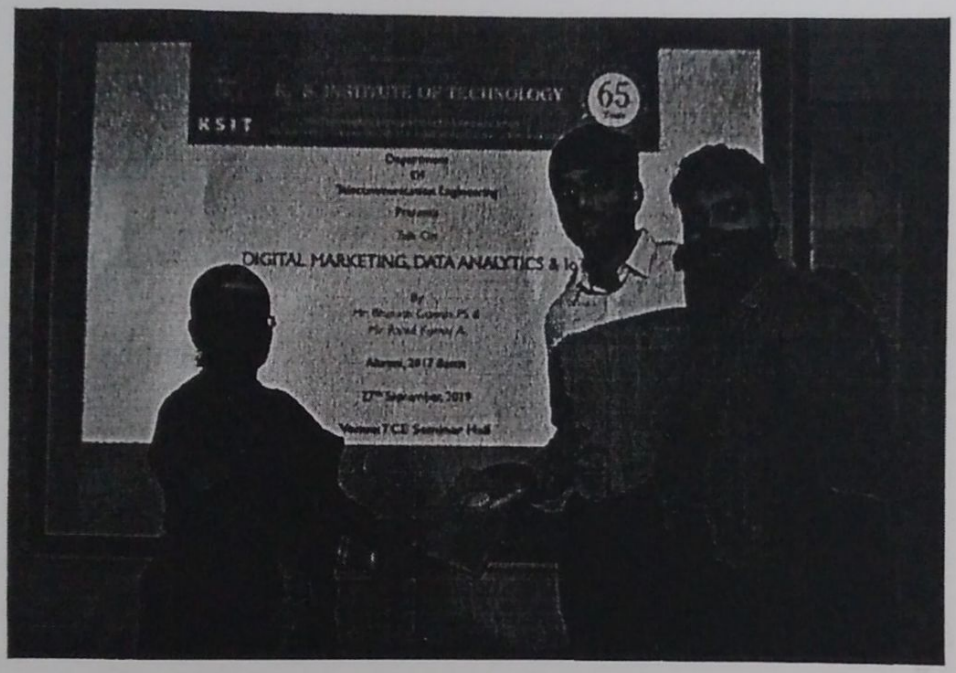
* What is IOT?

* Link between digital marketing, data analysis and IOT

* Tools used

* Skills required

* Career growth




**Outcome :**

This talk changed the perspective of how we analyze the things around us. It was helpful to discover the paths for part time job.

PO mapping:

This talk maps to **PO12 :Life Long Learning**. It was a career guidance talk which recognize the need forindependent growth & ability to adapt for various technological changes in IT industry

**Staff coordinator**

29/9/19

**Head of the department**

HEAD OF THE DEPARTMENT
Dept. of Telecommunication Engg
K. S. Institute of Technology
Bengaluru - 560 109

30.9.19

**Principal**

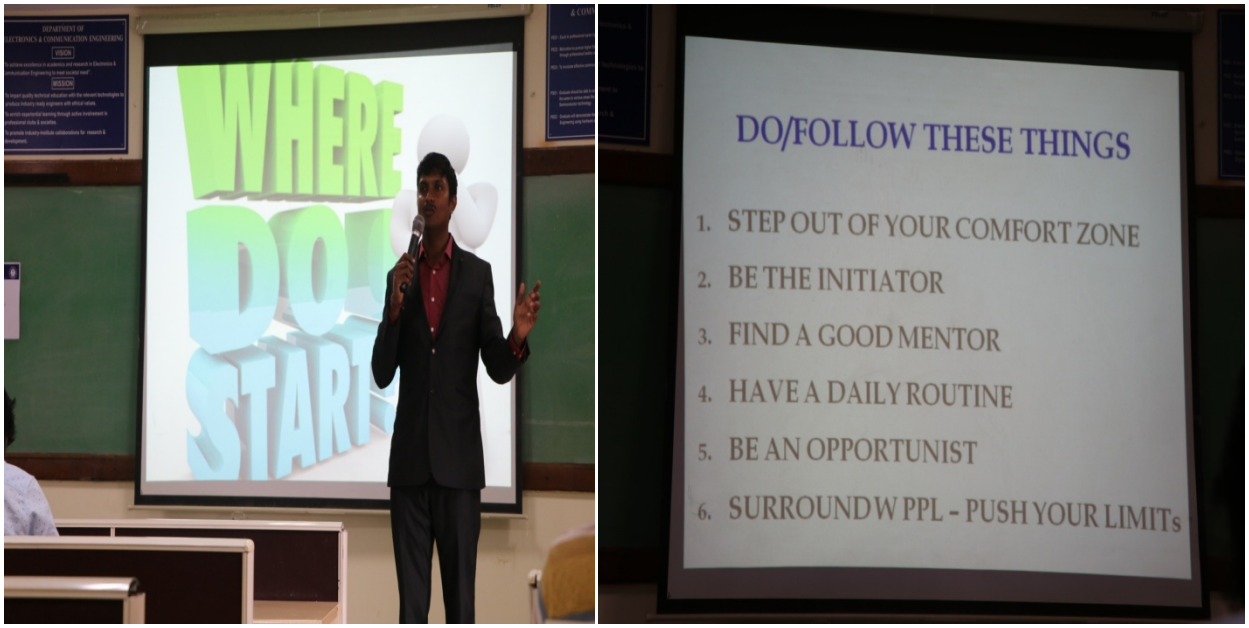
# K.S.INSTITUTE OF TECHNOLOGY

## Department of Electronics & Communication Engg.

Report on' Entrepreneur's Life & Career opportunity'

Mr.Gurusharan an Alumni of our institute delivered talk on" Entrepreneur's Life & Career opportunity " for the Fifth Semester EC students in the EC Seminar hall on 27th September 2019 between 2.30 pm and 4.00 pm. The number of students attended the talk was **78** (seventy eight). Mr.Gurusharan graduated in the year 2014 in Electronics & Communication Engineering. Then completed his Master's degree in Electrical & Computer Engineering from University of Florida in the year 2016. Currently he is running consultancy 'Path Finder' for the benefit of Engineering Graduates. Mr.B.R.Santhosh Kumar., Associate Professor in the department of ECE welcomed everybody for the talk and also introduced the speaker. Then Mr.Gurusharan presented the talk on " Entrepreneur's Life & Career opportunity "

Mr.Gurusharan Presenting the Talk




Presentation Slides of Mr.Gurusharan

He said in his presentation that to become an entrepreneur one should have the dedication and zeal to work for achievibng the successes. He mentioned the benefits of becoming an entrepreneur and also about the career growth. He shared all his experience and motivated the students to become Entrepreneurs..

Presenting Memento to the speaker

he talk was concluded by presenting a memento to the speaker and vote of hanks by Mr.B.R.Santhosh Kumar.

ordinator ECE Department

HOD/EC Department

28/09/19

2a.10.19

# K.S.INSTITUTE OF TECHNOLOGY

## Department of Electronics & Communication Engineering

## 'Chiratana' Alumni Association

# Technical Talk Report

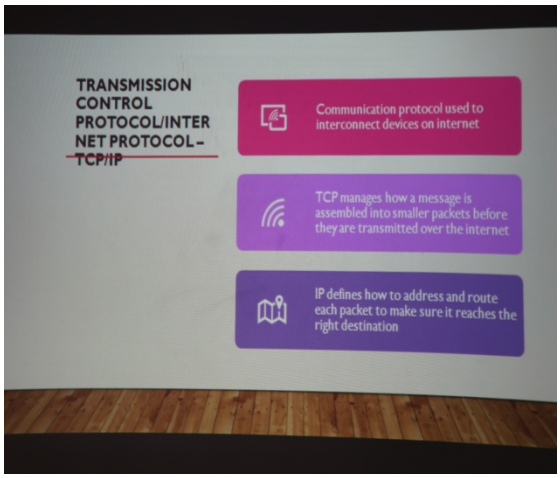
The Technical talk on ***"Networking* and *overview on Networking Certification Track: CCNA, CCNP, and CCIE "*** was organized on 23rd August 2019 for Fifth Semester students of EC between 2.30pm and 4.00pm in EC Seminar Hall. Mr.Akhil Bhardwaj currently working as Platform Operations Engineer in M/S Akamai Technologies and also Alumni of our institute delivered the talk. Mr.B.RSanthosh Kumar welcomed everybody for the talk and presented the brief resume of Mr.Akil Bharadwaj.

Mr.Santhosh Kumar Introducing Chief Guest

Dr.P.N.Sudha presenting Boquae

Mr.Akil Bhardwaj presented a talk on networking.In his talk he explained the practice of transporting and exchanging data between nodes over a shared medium in an information system. Also he explained how Computer networking enables devices and endpoints to be connected to each other on a local area network (LAN) or to a larger network, such as internet or a private wide area network (WAN). He told about the CISCO certification for the students who are interested in making their career in the field of networking. He discussed about some of the questions that are likely to appear in the interview for the aspirants in networking field.

Mr.Akil B.M Devlevering the talk



Mr.Akil B.M Devlevering the talk

Students seating in the technical Talk

From the fifth semester 109 students attended the talk. After the talk Mr.Santhosh Kumar.B.R presented the vote of thanks and also a memento to the speaker on behalf The Management, Principal and Department

Mr.Santhosh Kumar presenting the Memento

Alumni Coordinator
Santhosh Kumar.B.R
Department of EC

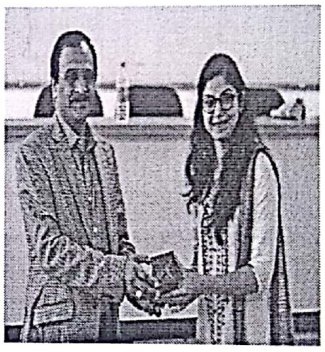
# K.S. INSTITUTE OF TECHNOLOGY

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERNG

## REPORT ON INTERNSHIP PROGRAM ON ALUMNI ASSOCIATION

**Date: 17-08-2019**

- Department of Computer Science and Engineering - Alumni committee organized the event for the internship program
- The Resource of the event was Mr. Pavan Raj, Take It Easy Ltd, India.
- The resource person was referred by our very own alumni Ms. Grishma Singh, Gaiuss Company Pvt. Ltd.
- The internship program was conducted for the pre-final year students of Computer Science and Engineering, Electronics and Communication, Telecommunication and Mechanical Department.



**Picture Source: Talks Given by Ms. Greeshma along with Mr. Pavan Raj for pre-final year students at Conference Hall for CSE, ECE, TCE and Mech**

**Total Participants: 100 from Pre final year 'A' and 'B' Section**

17/8/19

**Head of the Department - CSE**

Head of the Department
Dept. of Computer Science & Engg.
K.S. Institute of Technology
Bangalore-560 109