



Sri Srinivasa Educational & Charitable Trust  
**SAPTHAGIRI COLLEGE OF ENGINEERING**  
 (Affiliated to VTU, Belagavi and Recognized by AICTE, New Delhi)  
 #14/5, Hesaraghatta Main Road, Chikkasandra, Bangalore – 560057.  
 (An ISO 9001:2015 and 14001:2015 certified Institution)  
**Accredited by NAAC with “A” Grade**

**3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year (2020-2021)**

**INDEX - ACTIVITIES CONDUCTED UNDER MOUs**

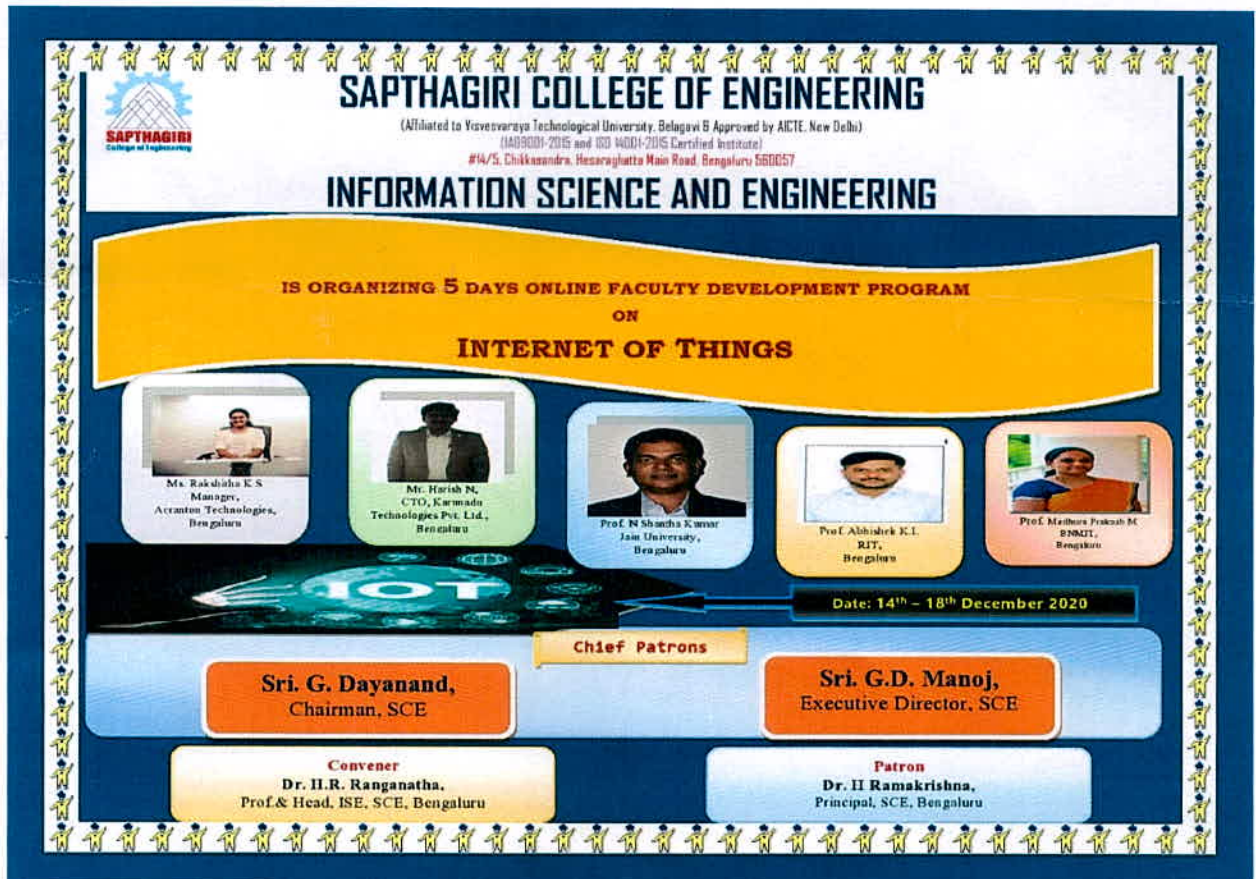
Sl. No.	Organization with which MoU is signed	Name of the institution/ industry/ corporate house	Activities conducted	No. of Participants	Page No.
1.	Dept. of ISE, Sapthagiri College of Engineering	Karunadu Technologies Private Limited	FDP	15 (Faculty Members)	2 – 7
2.	Dept. of ISE, Sapthagiri College of Engineering	Acranton Technologies Pvt. Ltd.			
3.	Dept. of CSE and ISE, Sapthagiri College of Engineering	Tequed Labs Private Limited			
4.	Dept. of CSE, Sapthagiri College of Engineering	Imarticus Learning Pvt. Ltd.	FDP	72 (Faculty members)	8 – 27
5.	Dept. of CSE, Sapthagiri College of Engineering	Karunadu Technologies Private Limited	1. Webinar 2. Industrial Visit 3. Internship	92 (Faculty & Students 60 (Students) 73 (Internship)	
6.	Dept. of CSE, Sapthagiri College of Engineering	Acranton Technologies Pvt. Ltd.	Internship	27 (students)	
7.	Dept. of CSE, Sapthagiri College of Engineering	Master i2R Solutions (An authorized partner of TCS iON)	Webinars	90 (Students)	
8.	Dept. of BT, Sapthagiri College of Engineering	Skanda Life Science Pvt Ltd.	Webinar	88 (Students)	28 – 43
9.	Dept. of BT, Sapthagiri College of Engineering	Avani Green Factory	Webinar	50 (Students)	
10.	Dept. of BT, Sapthagiri College of Engineering	Udbhava Technologies Pvt. Ltd.	Webinar	75 (Students)	
11.	Dept. of ME, Sapthagiri College of Engineering	Gradpro Technologies Pvt. Ltd.	Internship training	19 - Students	44 - 97
12.	Dept. of ME, Sapthagiri College of Engineering	HHV Pumps Pvt.Ltd.	Technical Talks - 2 Nos.	108 - Students & 58 - Students	
13.	Dept. of ME, Sapthagiri College of Engineering	Central Manufacturing Technology Institute (CMTI)	International Conference (ICGCP-2021) FDP Technical Talks - 2 Nos. Internship training	135 - Students & Faculty 200 - Faculty 75 - Students & 47 - Students 08 - Students	

Date: 10-12-2020

## Circular

It is hereby informed to faculties of ISE department on conduction of Five Days Faculty development program on Internet of Things conducted from 14/12/2020 to 18/12/2020. All the faculties are requested to assemble in seminar hall, Academic block at 10:00 AM.

### BROCHURE



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

**INFORMATION SCIENCE AND ENGINEERING**

IS ORGANIZING 5 DAYS ONLINE FACULTY DEVELOPMENT PROGRAM  
ON  
**INTERNET OF THINGS**

**Ms. Rakshita K S**  
Manager,  
Accent Technologies,  
Bengaluru

**Mr. Harish N.**  
CTO, Karmada  
Technologies Pvt. Ltd.,  
Bengaluru

**Prof. N. Shashis Kumar**  
Jain University,  
Bengaluru

**Prof. E. Abhishek K.I.**  
RIT,  
Bengaluru

**Prof. E. Mathura Prakash M.**  
BNMIT,  
Bengaluru

**Date: 14<sup>th</sup> – 18<sup>th</sup> December 2020**

**Sri. G. Dayanand,**  
Chairman, SCE

**Sri. G.D. Manoj,**  
Executive Director, SCE

**Convener**  
**Dr. H.R. Ranganatha,**  
Prof. & Head, ISE, SCE, Bengaluru

**Patron**  
**Dr. H. Ramakrishna,**  
Principal, SCE, Bengaluru

  
**Principal**  
**Sapthagiri College of Engineering**  
14/5, Chikkasandra, Hesarghatta Main Road  
Bengaluru, 560057




# Sapthagiri College of Engineering

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

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

## DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

### INVITATION




## SAPTHAGIRI COLLEGE OF ENGINEERING

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### INFORMATION SCIENCE AND ENGINEERING

The Principal, Staff and Students Cordially Invite you for

**Inauguration**  **FDP-2020**

***5 Days online Faculty Development Program on  
Internet of Things***

**Date:** 14<sup>th</sup> Dec 2020  
**Venue:** Seminar Hall, Academic Block  
**Time:** 10:00 AM

**Presided by**

**Sri. G. Dayanand,**  
Chairman, SCE

**Sri. G.D. Manoj,**  
Executive Director, SCE

**Chief Guest**

**Dr. H Ramakrishna,**  
Principal, SCE, Bengaluru

**Program Coordinators**

**Dr. Asha P N**  
Assoc. Professor, ISE  
**Prof. Sanjaykumar J H**  
Asst. Professor, ISE  
**Prof. Chaithra B M**  
Asst. Professor, ISE

Staff and Students of ISE

**Convener**  
**Dr. H.R. Ranganatha,**  
Prof. & Head, ISE

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

# Sapthagiri College of Engineering

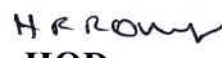
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## DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

### Schedule of the event:

DAY 1					
Date	Time	Topics		Time	Topics
14/12/2020	10:00 am To 10:30 am	Inaugural Function			
14/12/2020	10:30 am To 11:15 am	Basics of IoT	Tea Break	11:30 am To 12:30 pm	Basics of IoT
	Lunch Break				
	02:30 pm To 03:15 pm	Overview of IoT	Tea Break	03:30 pm To 04:30 pm	Overview of IoT
DAY 2					
15/12/2020	10:30 am To 11:15 am	Hands on IoT using online simulation tools.	Tea Break	11:30 am To 12:30 pm	Hands on IoT using online simulation tools
	Lunch Break				
	02:30 pm To 03:15 pm	Hands on IoT using online simulation tools	Tea Break	03:30 pm To 04:30 pm	Hands on IoT using online simulation tools
DAY 3					
16/12/2020	10:30 am To 11:15 am	IoT Applications-Smart home	Tea Break	11:30 am To 12:30 pm	IoT Applications-Smart home
	Lunch Break				
	02:30 pm To 03:15 pm	Data and Analytics for IoT	Tea Break	03:30 pm To 04:30 pm	Data and Analytics for IoT
DAY 4					
17/12/2020	10:30 am To 11:15 am	Emerging areas in IoT	Tea Break	11:30 am To 12:30 pm	Emerging areas in IoT
	Lunch Break				
	02:30 pm To 03:15 pm	Computer Vision	Tea Break	03:30 pm To 04:30 pm	Computer Vision
DAY 5					
18/12/2020	10:30 am To 11:15 am	Valedictory			

  
Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
B. G. 560 057

  
HOD  
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

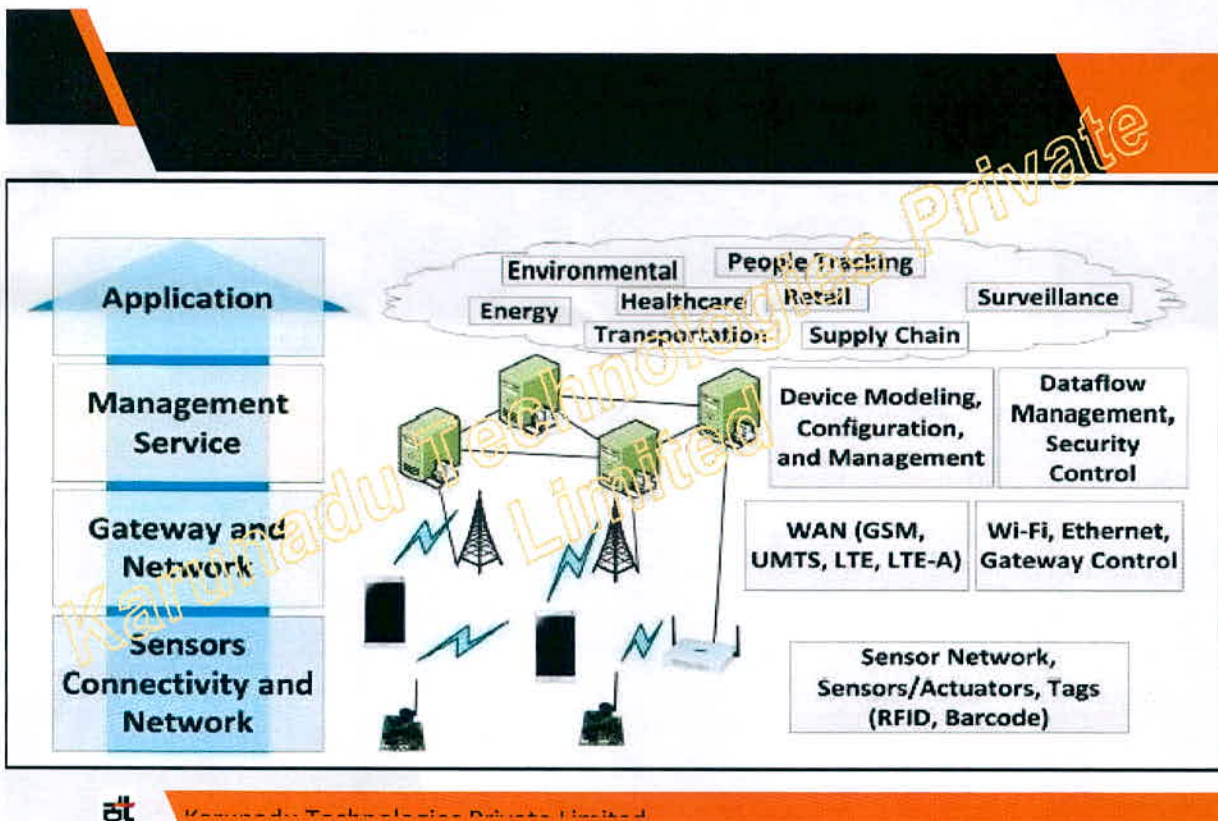


Date: 18/12/2020

### Five days FDP on Internet of Things

The Department of ISE had organized a Five days FDP on “**Internet of Things**” from ISE department.

The department of ISE had organized 5 days FDP on IoT and its applications, on Dec14,2020 Mr. Harish N, CTO, Karunadu Technologies private limited, discussed about overview of IoT, basics of IoT, IoT maturity, IoT service-oriented architecture, environments (Infrastructure, retail, utility, Hospitality) etc. supported by IoT, IoT applications, IoT platforms.



On Dec 15, 2020 Ms. Rakshitha K S, Manager, Acranton Technologies, Bengaluru, conducted Hands on IoT using online simulation tools.

On Dec 16, 2020 Mrs. Madhura M Prakash, Assistant Professor, Dept of ISE, BNMIT, discussed topics on Data Analytics for IoT. She has covered Features of IoT, Requirement of Data Analytics, Importance & Types of Data Analytics, IoT Analytics-Role of Data Analytics in IoT, Deep Learning in IoT, Open Challenges and Future Directions.

**Importance of Data Analytics**

**Data is useless unless subjected to analytics**

- **Volume:**
- **Structure:**
- **Driving Revenue:**
- **Competitive Edge:**

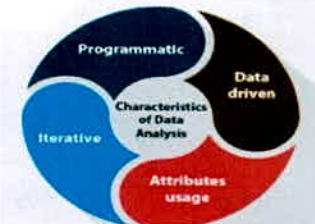
In late December 2018, International Data Corporation (IDC) predicted that the collective sum of the world's data would grow from the current 33 zettabytes to 175 zettabytes by 2025, much of it produced by the interconnected devices known as the Internet of Things (IoT).

- **Augmented Analytics**
- **Relationship Analytics**
- **Decision Intelligence**
- **Continuous Analytics**
- **Augmented data preparation and discovery**

**Benefits of Data Analytics for IoT Applications**

IoT Application	Benefits of Data Analytics
Smart Transportation	(a) Reduce the number of accidents by looking into the history of the roadmaps (b) Minimize traffic congestion (c) Optimize shipment movements (d) Ensure road safety
Smart Healthcare	(a) Predict epidemics, cure, and disease (b) Help insurance companies make better policies (c) Pick up the warning signs of any serious diseases during their early stages
Smart Grid	(a) Help design an optimal pricing plan according to the current power consumption (b) Predict future supply needs (c) Ensure an appropriate level of electricity supply
Smart Inventory System	(a) Detect fraudulent cases (b) Strategically place an advertisement (c) Understand customer needs (d) Identify potential risks

**Dark Data**



On fourth day Dec 17, 2020 of FDP Prof Abhishek K L Assistant Professor, Dept.of.MCA, M S Ramaiah Institute of Technology gave Presentation on the topic “**Emerging areas on IoT**” which includes some of the topics such as 1. Block Chain Technology 2. Edge Computing 3. Smart Healthcare 4. Smart Home 5. AI and Data Analytics and 6. RPA (Robotic Process Automation). **Block Chain Technology** is a Distributed Ledger Technology makes the history of any digital asset unalterable and transparent through the use of decentralization and cryptographic hashing.

  
**Principal**  
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### IoT Architecture

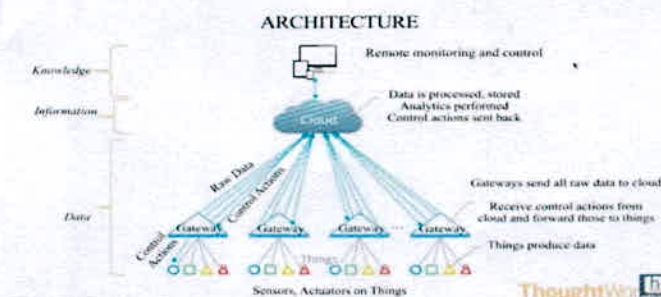
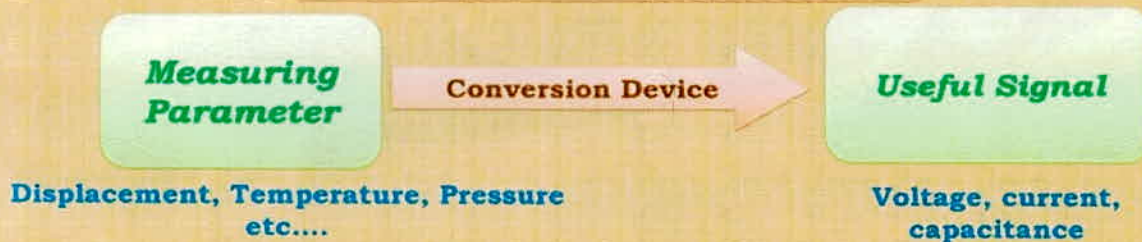


Fig: IoT-Centralized architecture diagram

In the first session of day Four, Mr. Supreeth Y S, a resource professional, Tequed Labs private, limited began his discussion with a very radical premise of network, WSN and IoT ideas. So, if talking about the heart of WSN, that are sensors and actuators, he shared a few very important aspects to be considered. He highlighted the significance of sensors and actuators, and shared an idea of the use and variety of applications of the same. He shared his thoughts with participants using the presentation of power points and different techniques.

### Basic Principle of Sensor



✓ **Sensor** is a device that **when exposed to a physical phenomenon** (temperature, displacement, force, etc.) **produces a proportional output signal** (electrical, mechanical, magnetic, etc.).





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

**Department of Computer Science & Engineering**

Academic Year: 2021-22

*Type of event/activity	Faculty Development Program
Name/Title of the Activity/Event	FDP on “Recent Trends on Computer Science and Information Technology”
Date of Organization	04 <sup>th</sup> -09 <sup>th</sup> Oct. 2021
Venue (with address)	Virtual Platform Google Meet
Objectives of the event/activity	<ol style="list-style-type: none"><li>1. To enhance the knowledge of faculty on recent trends.</li><li>2. To enable the faculty to understand the recent technologies in CS and IT.</li></ol>
Participants (Please attach list of participants, if it is organized/conducted in the dept.))	72 Faculty Members from different engineering colleges
Mention organized /participated/attended	Dr.Praveen Kumar K.V., Dr. Gururaj Murtugudde Prof. Chaithra NC

**Event Description:**

The field of Computer Science and Information Technology is growing rapidly. Everyday new concepts and technologies are appearing with huge application for the mankind. It is necessary for the faculty of CSE and ISE departments to upgrade their knowledge and enhance their career with changing trend.

Keeping this point in the view, Department of Computer Science and Engineering decided to organize five days Faculty Development Program on “Recent Trends on Computer Science and Information Technology”, in association with Imarticus Technologies Bengaluru. There were 63 faculty from the different engineering colleges were participated and resource persons were from Industry, Engineering colleges and well known universities.

There were two sessions in everyday with lecture session and other with hands on the same technology. The FDP went well with good feedback from both participants and resource persons.

Principal

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### About the FDP

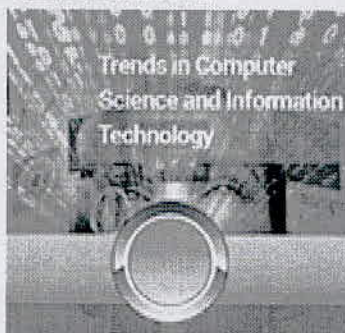
Advanced trends in Computer Science and Information Technology have seen a huge growth in recent years. Keeping this in view, the FDP is organized to help the participants in their research work under the domain of Computer Science and IT, including M. Tech. Scholars.


### Objectives of FDP

- The objective of this FDP is to nurture the research aptitude and competency development of the young faculty members, either doing research or planning to undertake research work under the domain of Computer Science and IT, including M. Tech. Scholars

### Note

- The programme is open to faculty members/research scholars/PG students from colleges/universities and industry personnel working in the concerned/allied disciplines.
- Certificates will be provided to all the participants who will submit the feedback form at the end of the FDP and maintains 80% of attendance
- Sessions will be held online.



**Register Here** 

<https://forms.gle/VloeBsup64T7cfv17>

**Registration  
FREE**

Any queries?

Contact:

Dr. Praveen Kumar K V-9844784013

Dr. Gururaj Murthugudde- 9611196828

Chaitra N C- 9743033430

Chief Patron

Shri G. Davenand, Chairman, SCE

Patron

Manoj G.D, Executive Director, SCE

Resource Persons:

1. Dr. Vishwanath R Hallipallad  
Professor & Assoe. Director R&D REVA University
2. Dr. Megha P. Arakeri [Ph.D NITK]  
Assoe. Professor RIT, Bangalore
3. Dr. Mamatha C M [Ph.D VTU]  
Assoe. Professor & HOD- CIT, Bangalore
4. Prof. Sharuthi Ram  
Member Faculty, e-Gov-Govt. Of Karnataka
5. Mr. Vijay Kumar  
Sr. Consultant, Imarticus- Bangalore

Chair person

Dr. H Ramakrishna

Principal, SCE, Bengaluru

Convener

Dr. Kamalakshi Naganna

Prof & Head, Dept. of CSE SCE, Bengaluru

Coordinators

Dr. Praveen Kumar K V

Dr. Gururaj Murthugudde

Prof. Chaitra NC



**BROUCHER**

  
Principal  
**Sapthagiri College of Engineering**  
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## Department of Computer Science & Engineering

Academic Year: 2021-22

### Images:



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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### About the College

Sapthagiri College of Engineering is one of the prestigious Engineering colleges in Karnataka located in the Bangalore city. Established in 2001 by Srinivasa Education and Charitable Trust with a vision to transform its students into competent, inspired and responsible professionals.

Sapthagiri College of Engineering (SCE) affiliated to Visvesvaraya Technological University (VTU), Belagavi, approved by AICTE & UGC, New Delhi and recognized by Govt. of Karnataka. SCE is also accredited by NAAC with "A" grade. SCE has established a system of imparts a world class quality education through good infrastructure qualified faculty and good ambience. We occupy a place of prominence among the leading engineering college under VTU.

The management are ever willing to encourage and support activities by students and faculty to promote the cause of the quality education in Sapthagiri campus. Now, at this landmark of completing 20 years of glorious feat, the institution has created an environment and ambience that foster learning. It provides the students with opportunities to explore and grow through situations that challenges them to identify their strength and reinforce them.

In association with



**Imarticus, Bangalore**

**Presents**

**Five day Faculty  
Development Program on  
"Advanced Trends in Computer  
Science and Information  
Technology"**

from

**04th-09th of**



### About the Department

The Department of Computer Science and Engineering in Sapthagiri College of Engineering was established in the year 2001. The primary focus of the Department is to produce highly competent IT professionals, who can be readily acceptable by the industry. Department of CS&E offers under graduate program leading to Bachelor of Engineering degree in Computer Science & Engineering (annual intake of 120 students), and research program leading to Doctor of Philosophy (Ph.D) degree.

It has actively pursued its mission of carrying out leading edge facilities in both foundational and industry oriented problems. The students get an opportunity to specialize in various fields like Artificial Intelligence, Networks, Data Mining, Machine Learning and Cloud Computing. It is well equipped with Laboratories and required facilities.

Principal

Sapthagiri College of Engineering  
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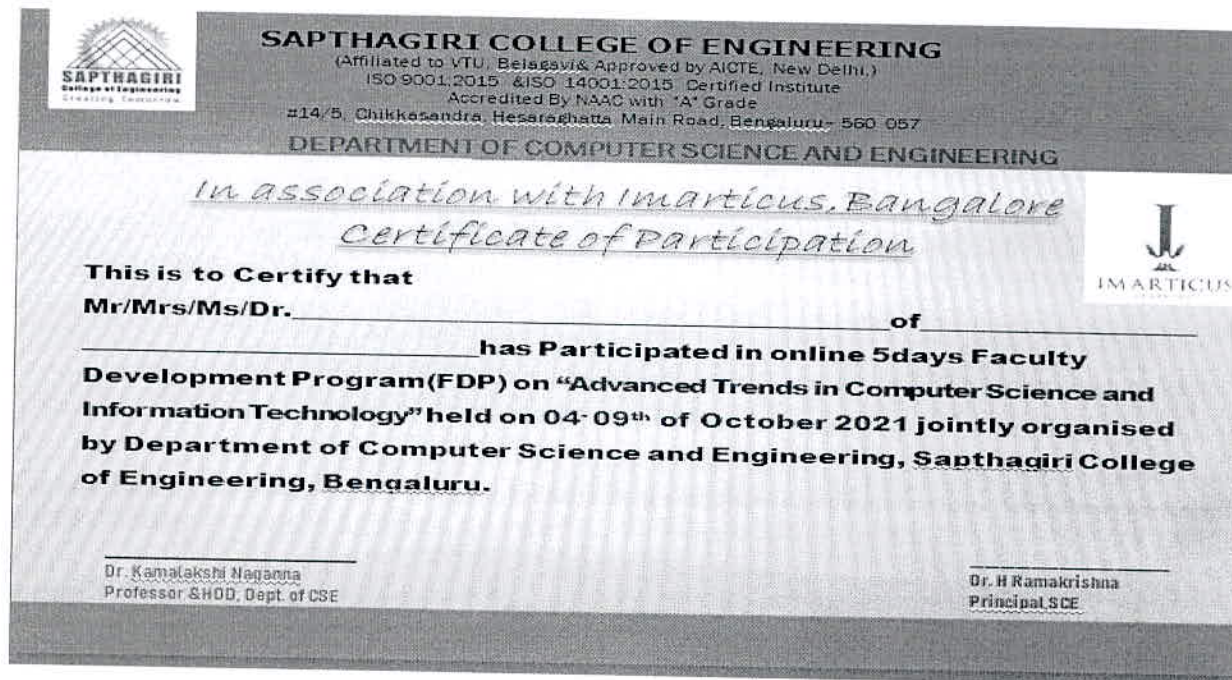
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## Department of Computer Science & Engineering

Academic Year: 2021-22

CertificateImage



### CERTIFICATE

A	B	C	D	E	F
Timestamp	NAME	Email ID	COLLEGE NAME/UNIVERSITY, PLACE	DESIGNATION	PHONE NUMBER
9/29/2021 10:56:12	VINDHYA	vindhyagb@sapthagiri.edu.in	SCE	AP	8861778989
9/29/2021 11:08:25	RASHMI	rashmiho@sapthagiri.edu.in	SCE	AP	123456789
10/1/2021 10:44:12	Srikanth Parande	srikanthparande@sapthagiri.edu.in	Sapthagiri College of engineering	Lab instructor	84314 76596
10/1/2021 19:06:28	BHARANI B R	bharanisuri@gmail.com	Cambridge Institute of Technology	Assistant professor	7892378708
10/1/2021 19:30:28	Suma	sumakavyapkv@gmail.com	ACIT	ASST.PROF	9844784015
10/1/2021 19:43:48	Shankar Rana	rana.sapthagiri@gmail.com	SCE	Assistant professor	9886550470
10/1/2021 20:43:51	Dr. Anjan Kumar K N	anjankn05@gmail.com	RNSIT	Associate Professor	9886658236
10/3/2021 18:10:15	Dr.Kamalakshi Naganna	kamalakshinaganna@sapthagiri.edu.in	Sapthagiri College of Engineering	Professor and head	9880285725
10/3/2021 19:36:46	Deepashree HL	deepashree.shree91@gmail.com	PES University, RR campus	Assistant Professor	9980026916
10/3/2021 20:14:43	CHAITRA H V	chaitra.0811@gmail.com	MN Degree College	Assistant Professor	09845050487
10/4/2021 7:22:20	Kalpna K	kalhar.lak@gmail.com	Presidency university	Assistant professor	8310956289
10/4/2021 8:42:37	Anitha Rao	anitharai@sapthagiri.edu.in	Sapthagiri College of Engineering, Bangal	Assistant Professor	9663937923
10/4/2021 8:45:45	Kavitha G	kavithag@sapthagiri.edu.in	Sapthagiri college of Engineering	Assistant professor	09164814686
10/4/2021 8:49:54	Nanda M B	nandamb@sapthagiri.edu.in	Sapthagiri College of Engineering	Assistant Professor	09886888121

+ Form Responses 1

### Participants list

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







# SAPTHAGIRI COLLEGE OF ENGINEERING

An ISO 9001:2015 Certified Institute

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Affiliated to VTU, Belagavi and Approved by AICET New Delhi)

Organizes online Webinar

on

### Recent Trends on Machine Learning

In Association With

Karunadu Technologies Pvt Ltd



Webinar presented by

Harish N

CTO, Karunadu  
Technologies Pvt Ltd

Date : 07/11/2020

Time : 10.00 AM to 12.00 AM

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

Coordinator

Suriya Prakash J, AP, CSE, SCE.

Convener

Dr. Kamalakshi Naganna, HOD-CSE.

Dr. M H Annaiah

Vice Principal

Dr. H Ramakrishna

Principal



**SAPTHAGIRI COLLEGE OF ENGINEERING**  
**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**  
**BENGALURU-560075**

*Type of event/activity	Webinar
Name/Title of the Activity/Event	Recent Trends in Machine Learning
Date of Organization	07-11-2020
Venue (with address)	Online Webinar
Organized by	Mr. Harish N, CTO , Karunadu Technologies
Objectives of the event/activity	Understanding Recent Trends on Machine Learning
Participants (Please attach list of participants, if it is organized/conducted in the dept.))	92
Mention organized /participated/attended	Prof. Suriya Prakash J

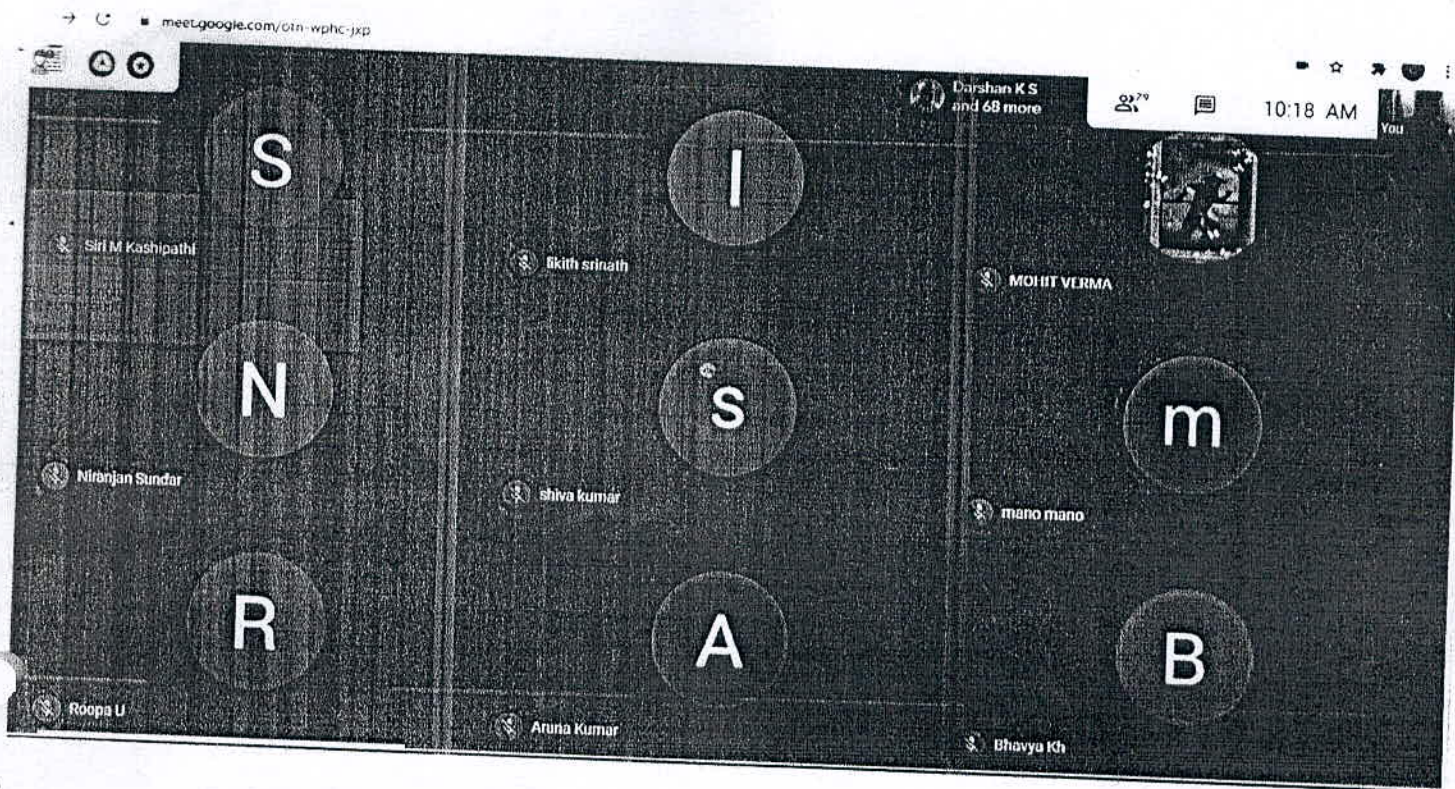
**Event Description:**

A webinar was conducted on Recent Trends on Machine Learning by Mr. Harish N, CTO , Karunadu Technologies, Bangalore on 07<sup>th</sup> November 2020. This Technical talk on "Recent Trends on Machine Learning" aims to provide opportunity for students to enrich their knowledge. creation of simple ML Project modules thought to the students. Students were interacting throughout the session as it was more interactive.

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



## Images:



## Note:


- After every event, please take feedback (online/offline).
- At the end map PO's (with 3/2/1):

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
	2	3	3			2		1			

\*Type of activity:

Webinar

Date of Submission: 8/11/2020

  
Signature of the HoD

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

  
Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
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## Department of Computer Science & Engineering

Academic Year: 2020- 2021

### Report on Industrial Visit


Purpose of Industrial Visit 1) To interact the students with actual industry personals. 2) To make them aware of the industrial procedures required to enter in any company. 3) To experience the working environment in industry and visualize the all the important Departments in the Industry. 4) Interaction of students with the peoples of all important departments. 5) To prepare the students for the selection of carrier path in different departments of industry.



Intractive Session with Students by Karunadu Technologies Staff Member



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

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





**ಕರುನಾಡು ಟೆಕ್ನಾಲಜೀಸ್ ಪ್ರೈವೇಟ್ ಲಿಮಿಟೆಡ್**  
**KARUNADU TECHNOLOGIES PRIVATE LIMITED**

#17, A.T.K. Complex, 2nd & 4th Floor, Acharya College Main Road, Beside Karur Vysya Bank,  
Guttebasaveshwara Nagar, Chikkabanavara Bengaluru - 560090

**Letter of Permission**

The Department of CSE, Sapthagiri College of Engineering has signed Memorandum of Understanding with Karunadu Technologies Pvt.Ltd. and engaged in various academic activities spanning throughout year. As a part of MoU, Karunadu Technologies Pvt.Ltd. is also eager in providing internship training for the selected students for the duration of one month. In this connection Karunadu Technologies Pvt.Ltd. Company has given the consent to take up the internship training for the students listed below.

During the time of internship, the students will be working in "IoT and It's Application" domain and reporting to Mr.Harish N, CTO, Karunadu Technologies Pvt.Ltd.



Karunadu Technologies Pvt.Ltd

**Registered Office:**

No. 59, 2nd Main, 1st Cross, Near Siagapura Village Bus Stop, Vidyanarayapura, Bengaluru - 560064.  
CIN: U74999KA2018PTC114911, Mob: +91 9964823645 / +91 9902913646 E-mail: karunadutechnologies@gmail.com,  
support@karunadutechnologies.com, Website: www.karunadutechnologies.com

Principal

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





**ಕರುನಾಡು ಟೆಕ್ನಾಲಜೀಸ್ ಪ್ರೈವೇಟ್ ಲಿಮಿಟೆಡ್**  
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Guttesbasaveshwara Nagar, Chikkabanavara, Bengaluru - 560090

**Students List**

Sl. No.	USN	Name of the Student	Gender
1.	ISG17CS002	ADITYA CHANDRA SINGH	M
2.	ISG17CS085	SNEH KUMAR RAI	M
3.	ISG18CS001	A Y GUNARACHANA	F
4.	ISG18CS002	AAKASH WAZA	M
5.	ISG18CS003	ABDUL HAROON KHAN	M
6.	ISG18CS005	ADITYA M	M
7.	ISG18CS006	ADITYA SHARMA R	M
8.	ISG18CS007	ADITYA SRIVASTAVA	M
9.	ISG18CS009	AKSHATHA M	F
10.	ISG18CS010	AMANDEEP SINGH	M
11.	ISG18CS011	ANKIT RAJ MISHRA	M
12.	ISG18CS012	ANUSHA D B	F
13.	ISG18CS013	APARNA SINGH	F
14.	ISG18CS014	APOORVA A	F
15.	ISG18CS015	ARPI THA H K	F
16.	ISG18CS016	ARUNAKUMAR	M
17.	ISG18CS017	BHARGAV TRIMAL KULKARNI	M
18.	ISG18CS018	BHOOMIKA S	F
19.	ISG18CS020	BINDU L	F
20.	ISG18CS021	DANSHAN K S	M
21.	ISG18CS023	DEEPAK B K	M
22.	ISG18CS024	DEEPAK G	M
23.	ISG18CS025	DEEPAK SAH	M
24.	ISG18CS026	DEEPTHI YADAV G	F
25.	ISG18CS027	DEVASHISH	M
26.	ISG18CS028	DIVYANSHI KUSHWAHA	F
27.	ISG18CS029	FARAZ KHAN	M
28.	ISG18CS030	FOUZIA ANJUM S	F
29.	ISG18CS031	GAURAV GUPTA	M
30.	ISG18CS032	HARSH P KAYA TEKAR	M
31.	ISG18CS033	HARSHIT GUPTA	M
32.	ISG18CS034	HARSHITHA S	F
33.	ISG18CS035	HIMANI ADIGA	F
34.	ISG18CS036	JYOTHAPPA GARI VYSHNAVI	M
35.	ISG18CS037	KU ANJALI	F
36.	ISG18CS038	KOUSHIK V UPPULURI	M
37.	ISG18CS039	KUMARI MADHU	F
38.	ISG18CS040	LALIT MUDGAL	M

Registered Office:

No. 59, 2nd Main, 1st Cross, Near Singapore Village Bus Stop, Vidyananyapura, Bengaluru - 560064,  
CIN: U74999KA20182PTC114911, Mob: +91 9964823646 / +91 9902913646 E-mail: karunadutechnologies@gmail.com,  
support@karunadutechnologies.com, Website: www.karunadutechnologies.com

Principal

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





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Guttabasaveshwara Nagar, Chikkabanavara, Bengaluru - 560090

39.	ISG18CS041	LIKITH S	M
40.	ISG18CS042	M LAKSHMI NAVEEN REDDY	F
41.	ISG18CS043	MADHURI M K	F
42.	ISG18CS044	MALLIKARJUN V R	M
43.	ISG18CS045	MANDARA B	F
44.	ISG18CS046	MANGALA S	F
45.	ISG18CS047	MANISHA L	F
46.	ISG18CS048	MANJUNATH RAMA NAIK	M
47.	ISG18CS049	MANU K N	M
48.	ISG18CS050	MAVANK	M
49.	ISG18CS051	MEENA ALEKHYA T	F
50.	ISG18CS052	MEGHAP	F
51.	ISG18CS054	MEGHANA G	F
52.	ISG18CS055	MOHIT KUMAR SHAW	M
53.	ISG18CS056	MOHIT VERMA	M
54.	ISG18CS057	MONIKA A	F
55.	ISG18CS059	N. MADHURAVANI	F
56.	ISG18CS060	NAMRATHA	F
57.	ISG18CS061	NAVEEN S R	M
58.	ISG18CS062	NAVYASHREE K	F
59.	ISG18CS063	NEELU RAO D	F
60.	ISG18CS064	NIMISHA NIRMAL	F
61.	ISG18CS132	NITHIN S M	M
62.	ISG18CS133	VARUN R	M
63.	ISG19CS400	AMIT KUMAR GUPTA	M
64.	ISG19CS402	SURESH B M	M
65.	ISG19CS403	KIRAN KUMAR H M	M
66.	ISG19CS404	MANJUNATH M	M
67.	ISG19CS407	SANDHYA M	F
68.	ISG19CS408	SHIVA KUMAR R E	M
69.	ISG19CS411	VIDYASHREE K	F
70.	ISG19CS412	YUVARAJ N. R	M
71.	ISG17CS097	VAISHANAVI KASYAHAP	F
72.	ISG15CS016	BHAVYA K H	F
73.	ISG16CS408	MANO R	M



Registered Office:

No. 59, 2nd Main, 1st Cross, Near Singapura Village Bus Stop, Vidyanarayana, Bengaluru - 560064  
CIN: U74999KA2019PTC114911, Mob: +91 9964823645/+91 9902913646 E-mail: karunadutechnologies@gmail.com  
support@karunadutechnologies.com, Website: www.karunadutechnologies.com

  
Principal

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





## ACRANTON TECHNOLOGIES PRIVATE LIMITED

EMPOWERED BY INNOVATION

#1/10, 1<sup>st</sup> floor, Opp Gangadharaiah Kalyana Mantappa, Chikkabanavara Main Road, Kereguddadahalli,  
Bengaluru-560090

---

### Letter of Permission

The Department of CSE, Sapthagiri College of Engineering has signed Memorandum of Understanding with **Acranton Technologies Pvt Ltd** and engaged in various academic activities spanning throughout year. As a part of MoU, **Acranton Technologies** is also eager in providing **internship training** for the selected students for the duration of one month. In this connection Acranton Technologies has given the consent to take up the internship training for the students listed below.

During the time of internship, the students will be working in '**Internet Of Things**', '**Python with Machine Learning**', '**Web Application Development**' domains and reporting to Mrs. Mamatha T S, IT Manager.

Chandana L S  
Director  
Acranton Technologies Pvt Ltd

---

Website: [www.acranton.com](http://www.acranton.com)

mail: [info\\_blr@acranton.com](mailto:info_blr@acranton.com)

Contact Us: 97408 19142, 9743551314, 97391212

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





# ACRANTON TECHNOLOGIES PRIVATE LIMITED

EMPOWERED BY INNOVATION

#1/10, 1<sup>st</sup> floor, Opp Gangadharaiah Kalyana Mantappa, Chikkabanavara Main Road, Kereguddadahalli, Bengaluru-560090

SL.NO	USN	STUDENT_NAME	BRANCH	COLLEGE
01	ISG18CS087	Rohan Kumar	Computer Science Engineering	Sapthagiri College of Engineering
02	ISG18CS110	Siri M Kashipathi	Computer Science Engineering	Sapthagiri College of Engineering
03	ISG18CS124	Vishal Sai R	Computer Science Engineering	Sapthagiri College of Engineering
04	ISG18CS111	Snehal Mishra	Computer Science Engineering	Sapthagiri College of Engineering
05	ISG18CS096	Sakshi Sheoran	Computer Science Engineering	Sapthagiri College of Engineering
06	ISG18CS126	Yasha Niranjana	Computer Science Engineering	Sapthagiri College of Engineering
07	ISG18CS094	Sagar K	Computer Science Engineering	Sapthagiri College of Engineering
08	ISG18CS105	Shreyas V Rao	Computer Science Engineering	Sapthagiri College of Engineering
09	ISG18CS116	Suprith K S	Computer Science Engineering	Sapthagiri College of Engineering
10	ISG18CS082	Rakesh S	Computer Science Engineering	Sapthagiri College of Engineering
11	ISG18CS088	Rohan Thammaiah Y C	Computer Science Engineering	Sapthagiri College of Engineering
12	ISG18CS065	Niranjana S	Computer Science Engineering	Sapthagiri College of Engineering
13	ISG18CS109	Simran Verma	Computer Science Engineering	Sapthagiri College of Engineering
14	ISG18CS097	Sangeetha R	Computer Science Engineering	Sapthagiri College of Engineering
15	ISG18CS121	Thanushri K J	Computer Science Engineering	Sapthagiri College of Engineering
16	ISG18CS118	Supriya K	Computer Science Engineering	Sapthagiri College of Engineering
17	ISG18CS076	Preethi U	Computer Science Engineering	Sapthagiri College of Engineering
18	ISG18CS128	Yashaswini M Kotegar	Computer Science Engineering	Sapthagiri College of Engineering
19	ISG18CS075	Preetha S Jois	Computer Science Engineering	Sapthagiri College of Engineering
20	ISG18CS090	Roopa U	Computer Science Engineering	Sapthagiri College of Engineering
21	ISG18CS079	Priyanka V	Computer Science Engineering	Sapthagiri College of Engineering
22	ISG18CS129	Rakshitha D	Computer Science Engineering	Sapthagiri College of Engineering
23	ISG18CS130	Drithi R	Computer Science Engineering	Sapthagiri College of Engineering
24	ISG18CS122	Upma Maurya	Computer Science Engineering	Sapthagiri College of Engineering
25	ISG18CS114	Srishti Kumari	Computer Science Engineering	Sapthagiri College of Engineering
26	ISG19CS410	Varshitha T M	Computer Science Engineering	Sapthagiri College of Engineering
27	ISG18CS100	Shalini G S	Computer Science Engineering	Sapthagiri College of Engineering

Website: [www.acranton.com](http://www.acranton.com)

Email: [info\\_blr@acranton.com](mailto:info_blr@acranton.com)

Contact Us: 9741 139142, 974355 314, 97397317

Principal

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





# SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)  
(ISO 9001-2015 & 14001-2015 Certified)

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

## Department of Computer Science & Engineering

Academic Year: 2020-2021

Date: 23/09/2020

### CIRCULAR

All the Faculties and Students are hereby informed that, Department of Computer Science and Engineering is Conducting alumni talk on "OPPORTUNITIES IN MARKET BASED ON MACHINE LEARNING" on 30<sup>th</sup> SEPTEMBER 2020 .

HOD

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

Copy to

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

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





SRI SRINIVASA EDUCATIONAL & CHARITABLE TRUST®  
**SAPTHAGIRI COLLEGE OF ENGINEERING**

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

**Department of Computer Science & Engineering**

Academic Year: 2020- 2021

**REPORT OF ALUMNI TALK ON OPPORTUNITIES IN MARKET BASED  
ON MACHINE LEARNING**

- ✦ **VISION, MISSION & PEO's** of the department are highlighted in the meeting
- ✦ The Department of Computer Science & Engineering organized alumni talk on "OPPORTUNITIES IN MARKET BASED ON MACHINE LEARNING" on 30<sup>TH</sup> SEPTEMBER, 2020 for students of 5<sup>th</sup> & 7<sup>th</sup> semester. The students attended the alumni talk.
- ✦ **Objective of the Alumni Talk:** To provide the very basic knowledge of implementing Machine learning with Python. This talk was appreciated by all the students as they were able to add another programming language in their technical skill set. The speaker Mr. SYED AHMED has given the mix of theory and practical knowledge of python & machine learning. The alumni talk gave the students information about the importance of Important machine learning algorithms, market demands, etc were taught
- ✦ **Alumni Talk Title :** OPPORTUNITIES IN MARKET BASED ON MACHINE LEARNING
- ✦ **Resource Person:** Mr. SYED AHMED
- ✦ **Alumni Talk Date:** 30/09/2021
- ✦ **Participants:** 70

The speaker provided information on OPPORTUNITIES IN MARKET BASED ON MACHINE LEARNING.

Overall the students felt that the session was informative & gain knowledge

Principal

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Bengaluru - 560 057





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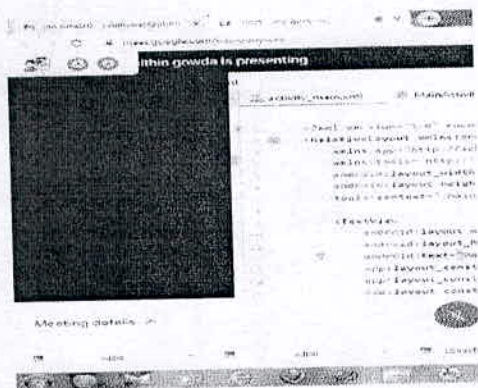
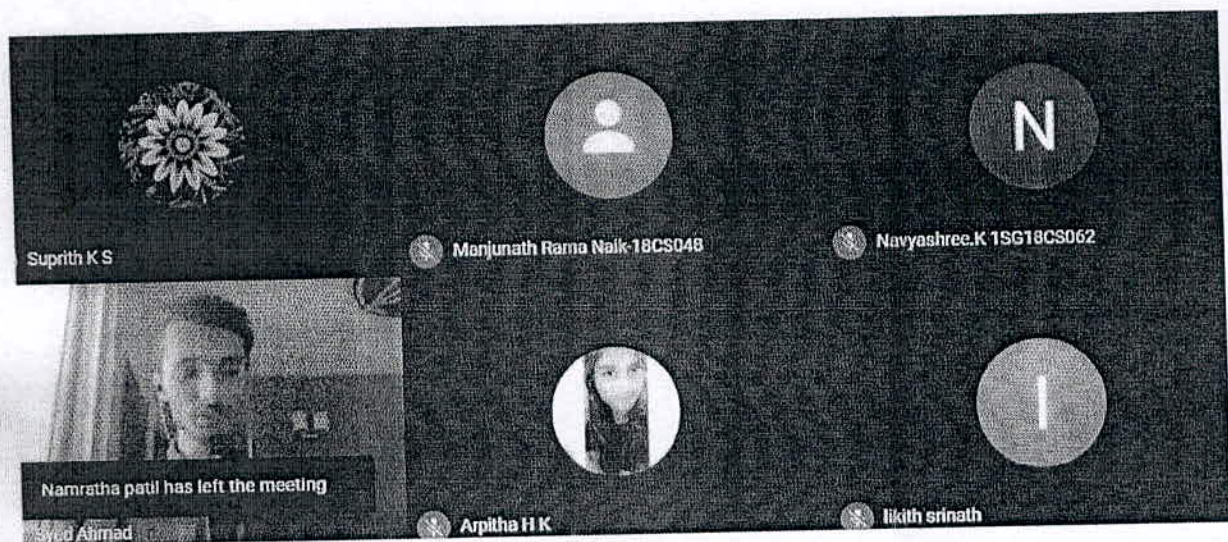
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057.

**Department of Computer Science & Engineering**

Academic Year: 2020-2021

**FEW SCREENSHOTS OF THE PROGRAM**

- *LIVE SESSION ON MACHINE LEARNING WITH PYTHON*



  
Principal

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

**Department of Computer Science & Engineering**

Academic Year: 2020-2021



**SAPTHAGIRI COLLEGE OF ENGINEERING**

**OPPORTUNITIES IN MARKET BASED ON MACHINE LEARNING**

DATE: 30/09/2020

WEDNESDAY

TIME: 2:00PM TO 3:00PM

Presided By:  
Sr. G. Dayanand  
Chairman, SCT  
Sr. G. D. Manoj  
Co-ordinator, SCT

MODE: GOOGLE MEET

JOINING LINK: <https://meet.google.com/bmu-zhzh-luv>

CO-ORDINATORS:  
Prof. SHILPA M  
Prof. VINODH A G R

Dr. KAMALAKSHI NAGANNA  
HOD, CSE

Dr. H. RAMAKRISHNA  
PRINCIPAL

**BROCHURE OF THE WEBINAR**

**PO & PSO MAPPING:**

TITLE OF THE EVENT	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
OPPORTUNITIES IN MARKET BASED ON MACHINE LEARNING	✓	✓										✓		

Principal

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

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





# SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to VTU, Belagavi, and Recognized by AICTE, New Delhi,

ISO 9001-2015 and 14001-2015 certified Institute

14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057, Karnataka, India.

## Department of Computer Science & Engineering

Year: 2020- 2021

DATE: 15/09/2020

To,

**The PRINCIPAL**

Sapthagiri College of Engineering,  
Bangalore-560057.

Through,

**IQAC CHAIRMAN,**

Sapthagiri College of Engineering  
Bangalore -560057.

From,

**HOD,**

Department of Computer Science Engineering,  
Sapthagiri College of Engineering,  
Bangalore -560057.

Respected Sir,

**Subject: Requisition to conduct one day Technical talk on "Object oriented Concepts using Java Programming"**

The Department of Computer Science and Engineering has planned to conduct one day Technical talk on "Object oriented Concepts using Java Programming". Requesting you to permit to conduct a Student Development Programme for the Year 2020-21.

**Coordinators:**

Prof. Chaithta  
Prof. Prakruthi

**Thanking you**

**Your's faithfully**

**Dr. Kamalakshi Naganna**

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

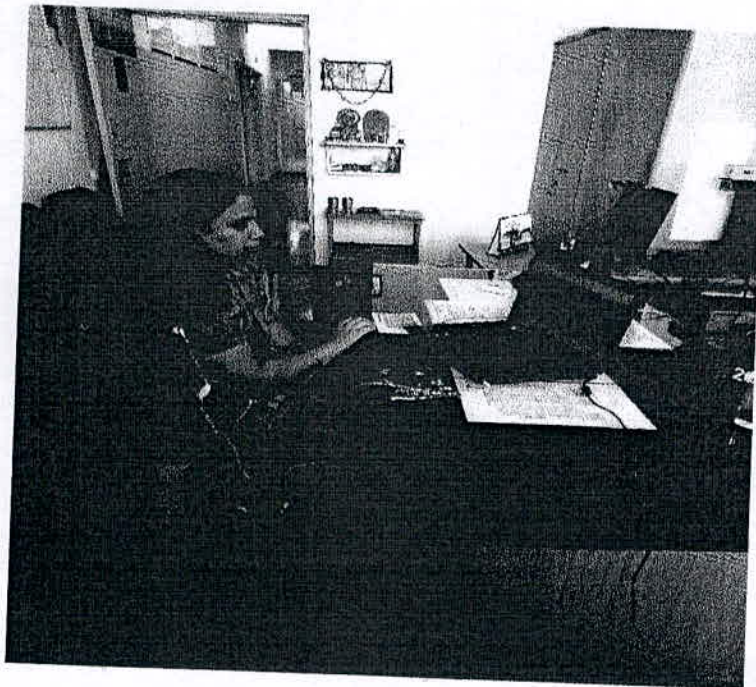
**Principal**  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 057



**Department of Computer Science & Engineering**  
**Year: 2020- 2021**

**Report on one day Technical talk on**  
**"Object oriented Concepts using Java Programming"**

A one day workshop was conducted on Object oriented Concepts using Java Programming by M.Tech Student Ms. Shylaja for 3<sup>rd</sup> Semester Students at Sapthagiri College of Engineering, Bangalore on 23<sup>rd</sup> September 2020. This Technical talk on "Object oriented Concepts using Java Programming" aims to provide opportunity for students to enrich their knowledge. Installation of the Java jdk package and creation of html page was thought to the students. Students were interacting throughout the session as it was more interactive.



*[Handwritten signature]*

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

*[Handwritten signature]*  
Principal

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



*Type of event/activity	<b>Webinar</b>
Name/Title of the Activity/Event	Mastering and Implementing Information Technology for Advancement in Biotechnology
Date of Organization	8th June 2021 Tuesday 2.00 PM – 3.30 PM
Venue (with address)	Department of Biotechnology (SCE)
Organized by	Department of Biotechnology Coordinators: Dr Soumya C Prof.Prashanth Kumar H P
Objectives of the event/activity	<ul style="list-style-type: none"> <li>• Information technology in Biotechnology</li> <li>• Python usage in database</li> <li>• Machine learning tools for personalized medicines</li> <li>• Maintenance of Patient data</li> <li>• Advancement in information technology</li> </ul>
Participants (Please attach list of participants, if it is organized/conducted in the dept.))	75 Participants
Mention organized /participated/attended	Organized

#### Event Description:

The Department of Biotechnology & Department of Biotechnology organized alumni talk Competition for Students under the banner of The Institution of Engineers (India) Student chapter on 8-June -2021 at 02:00 pm.

- The objective of this Alumni talk is to allow, educate and to encourage the students regarding that: Information technology in Biotechnology, Python usage in database
- Machine learning tools for personalized medicines



A webinar was conducted by sending out designed brochure to all the students and interested students participated. Students enthusiastically participated in the Webinar.

**Images:**



Sri Srinivasa Educational & Charitable Trust  
**SAPTHAGIRI COLLEGE OF ENGINEERING**  
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14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057

**DEPARTMENT OF BIOTECHNOLOGY**  
The Institution of Engineers (India) student Chapter & Shruti BT Forum

**A WEBINAR ON**  
**Mastering and Implementing Information Technology for  
Advancement in Biotechnology**

By  
**Sri. Sunil Kumar**  
Director & Solution Architect in Technology  
Udbhava Technologies Pvt Ltd,  
Marenhalli, J P Nagar  
Bangalore-560078

8th June 2021 Tuesday 2.00 PM – 3.30 PM  
**Google meet link:** [meet.google.com/unu-uwvo-jyh](https://meet.google.com/unu-uwvo-jyh)

**Prof. Prashanth Kumar H P**  
**Dr. Sumya C**  
Webinar Coordinators

**Dr. Veena S More**  
MOD, BT

**Dr. H Ramakrishna**  
Principal



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

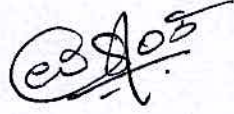


**Attendance for Mastering & Implimenting Information Technology for Advancement in Biotechnology**

Sl No.	USN	Student Name
1	1SG20BT001	AASTHA ROY
2	1SG20BT002	ABDULSAMAD A HAZRATBHAI
3	1SG20BT005	AMINA FARHEEN
4	1SG20BT006	AMOGHAVARSHA G
5	1SG20BT007	ANANYA B S
6	1SG20BT008	ANNAPAREDDY TRINAYANI REDDY
7	1SG20BT011	CHAITHRA SHREE A
8	1SG20BT012	CHETAN KAGINELLI
9	1SG20BT014	DANUSH P
10	1SG20BT015	DEEKSHITHA M
11	1SG20BT016	DEEPIKA PRAKASH
12	1SG20BT017	DEEPTHI P M
13	1SG20BT019	DHARANI G
14	1SG20BT020	DIVYA K N
15	1SG20BT022	GANAVI N
16	1SG20BT023	GAYATHRI S
17	1SG20BT024	HARSHITHA REDDY G
18	1SG20BT027	K NARAHARI
19	1SG20BT028	KANGAN M
20	1SG20BT029	KHUSHI BHAVANI K SINGH
21	1SG20BT030	KRUTHI J
22	1SG20BT032	NAVEEN KUMAR
23	1SG20BT033	NESARA M
24	1SG20BT035	NISCHITHA K S
25	1SG20BT036	NITHEESH S
26	1SG20BT037	P SWATHI
27	1SG20BT038	POOJA M
28	1SG20BT039	PRATHIKSHA GS
29	1SG20BT040	PRAVALIKA KV
30	1SG20BT041	PRIYANKA V
31	1SG20BT043	RAKSHA S
32	1SG20BT044	RAKSHITH R
33	1SG20BT047	S N MEGHA MOURYA NANDAN
34	1SG20BT048	SANGEETHA M M
35	1SG20BT049	SANJANA S S
36	1SG20BT050	SAVITHA M
37	1SG20BT051	SHARON RAJ
38	1SG20BT054	SUSHMA S

Principal  
**Sapthagiri College of Engineering**  
 14/5, Chikkasandra, Hesaraghatta Main Road  
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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057  
An ISO 9001:2015 and 14001:2015 Certified Institution

**Department of Biotechnology**

**Forum activity Report**

AY: 2020-2021  
2020-ODD

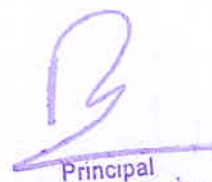
*Type of event/activity	Webinar
Name/Title of the Activity/Event	<b>"Apoptosis- A Programmed Cell Death"</b>  <b>Resource person-</b> Mr. Sagar S Scientist & Proud Alumnus of BT dept Skanda Life Science PVT.LTD Bangalore
Date of Organization	19-Dec-2020
Venue (with address)	Department of Biotechnology (SCE)
Organized by	<b>Convener:</b> Prof. Prashanth Kumar H. P. <i>Dg. Soamega.</i> <b>Co-ordinator:</b> Dr. Chethana K R and Prof. Ramya D L
Objectives of the event/activity	To discuss on: <ul style="list-style-type: none"><li>• Apoptosis as a form of programmed cell death, or "cellular suicide"</li><li>• Cell morphological changes that occur during apoptosis</li><li>• Mechanisms of apoptosis: Extrinsic pathway &amp; Intrinsic pathway</li><li>• Inhibitors of apoptosis: transcriptional regulation and post-translational modifications</li><li>• Anti apoptotic genes: Bcl-2 and Bcl-XL in mammalian cells</li><li>• Apoptosis and its importance in life form</li></ul>
Participants (Please attach list of participants, if it is organized/conducted in the dept.))	88 participants
Mention organized /participated/attended	Organized

**Event Description:**

The Department of Biotechnology organized a webinar on "Apoptosis- A Programmed Cell Death" under the banner of The Institution of Engineers (India) Student chapter on 19-Dec-2020 in association with

  
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Bengaluru - 560 057

  
Principal

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Bengaluru - 560 057



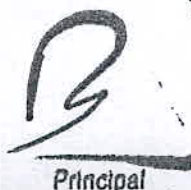
Shristi Forum, BT, SCE.

The session was open for the students and research scholars from various institutes. The resource person for the talk is Mr. Sagar S, Scientist & Proud Alumnus of BT dept, from Skanda Life Science PVT.LTD, Bangalore.

The Aim & objective of the talk is to make understand and provide information regarding -

- Apoptosis as a form of programmed cell death and well-choreographed gene-directed cellular destruction
- Morphological changes that occur like cell shrinkage and pyknosis
- Mechanisms includes Extrinsic signaling pathways- that initiate apoptosis involve transmembrane receptor-mediated interactions and Intrinsic pathway- is mediated by the mitochondria
- Inhibitors of apoptosis: Caspases are subject to transcriptional regulation and post-translational modifications
- Anti apoptotic genes: Bcl-2 and Bcl-XL in mammalian cells
- Apoptosis importance: Role in a variety of biological events, including morphogenesis, homeostatic maintenance of various tissues and removal of harmful cells
- Harmful effect: Dysregulated apoptosis has been implicated in a variety of disease such as cancer

Talk is conducted through Google meeting; it had an interactive session where the queries were answered by the resource persons. About 88 participants attended the talk. It was an enlightening and fruitful session.



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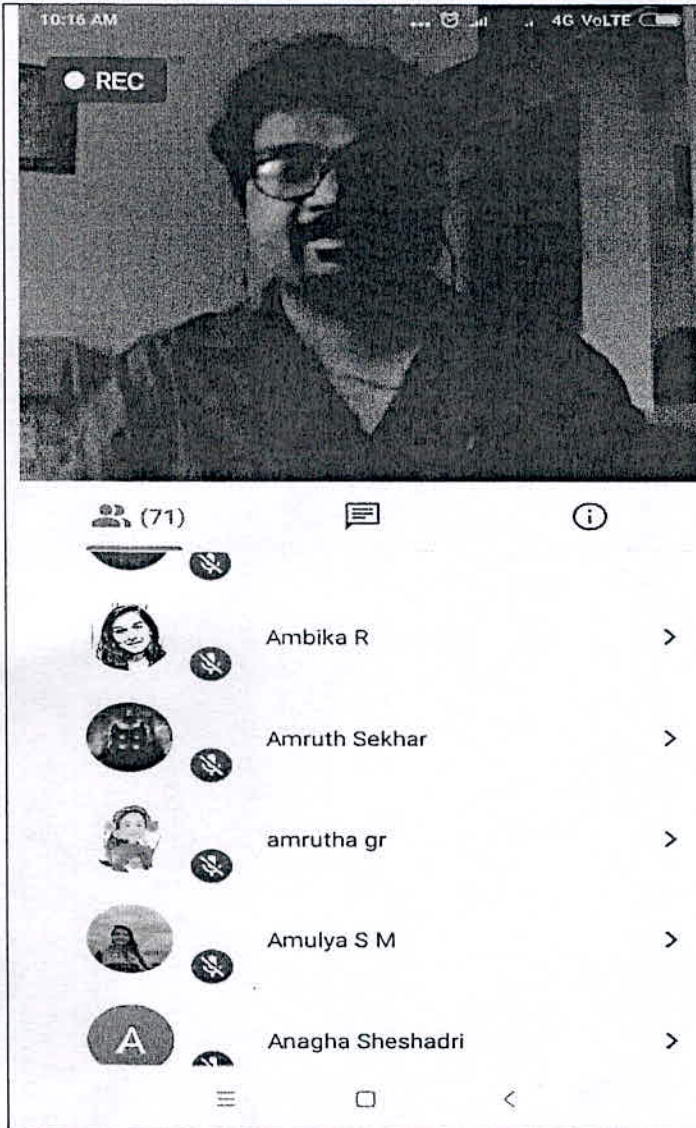


**Images:**

**Slides shared by the Speaker**



**Department of Biotechnology**  
**Forum activity Report**




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2020-ODD




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**DEPARTMENT OF BIOTECHNOLOGY**  
THE INDIAN INSTITUTE OF ENGINEERS (IE) STUDENT CHAPTER  
&  
SHRISTI BT FORUM ORGANISING

**Webinar**  
**On**

**APOPTOSIS - A Programmed Cell Death**  
By  
**Mr. Sagar S**  
Scientist & Proud Alumnus of BT dept  
Skanda Life Science PVT.LTD  
Bangalore



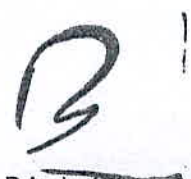
Saturday 19th Dec 2020  
**9.00AM**

**Dr.Soumya C**  
Coordinator

**Dr.Veena S More**  
HOD

**Dr. Ramakrishna. H**  
Principal

**Interaction of Speaker with participants and Broacher of the webinar**

  
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AY: 2020-2021  
2020-ODD

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### Department of Biotechnology

#### Forum activity Report

**Note :** At the end map PO's (with 3/2/1):

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
3	3	-	3	1	2	1	2	1	-	1	2

Date of Submission: 22/12/2020

Signature of co-ordinators

Signature of the HOD

Head of the Department  
Dept. of Bio -Technology  
Sapthagiri College of Engineering  
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Bangalore -57

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# Attendance for Apoptosis

Sl No.	USN	Student Name
1	1SG17BT002	ADITI KASHYAP
2	1SG17BT004	ANAGHA SHESHADRI
3	1SG17BT005	ANJALI R
4	1SG17BT007	B M KARTHIK
5	1SG17BT008	BHOOMIKA G
6	1SG17BT010	D S NEHA
7	1SG17BT011	DEEPIKA G
8	1SG17BT012	DIVYA D ANAND
9	1SG17BT014	HARSHITHA J Y
10	1SG17BT015	KUHELI BHOWMICK
11	1SG17BT018	NITHYASHREE S
12	1SG17BT019	PRAKRUTHI M R
13	1SG17BT024	RAKSHITHA A
14	1SG17BT025	RASHMI T S
15	1SG17BT026	RIDA TABASSUM
16	1SG17BT027	RUMAISA FATIMA
17	1SG17BT030	SANGEETHA R
18	1SG17BT031	SHASHIKALA S
19	1SG17BT032	SHWETHA S
20	1SG17BT035	SHREELAKSHMI K
21	1SG17BT036	SUPRAJA O D
22	1SG17BT037	THANUSHREE M
23	1SG16BT028	POOJA S
24	1SG14BT005	AMRUTHA G R
25	1SG16BT010	GURUPRASAD
26	1SG16BT027	POOJA P
27	1SG17BT040	YUKTHA R
28	1SG18BT001	ABHINANDAN KANJIKAR
29	1SG18BT002	AMRUTHA S
30	1SG18BT003	ANIKA ANJANA GOWDA
31	1SG18BT005	ARUNA MOHAN
32	1SG18BT006	AVISHKA SARIKA GOWDA
33	1SG18BT007	AVINASH K G
34	1SG18BT008	BENITA S ROBIN
35	1SG18BT011	BRAMARI S SHETTY
36	1SG18BT012	CHAITRA U KABBUR
37	1SG18BT013	CHAITRA V S
38	1SG18BT014	CHANDRAMOULI S
39	1SG18BT015	CHINMAYI J
40	1SG18BT016	CHITTOJU PRERANA
41	1SG18BT017	DEERAJ J
42	1SG18BT018	DIKSHITHA S

  
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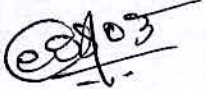


43	1SG18BT019	DIMPLE B H
44	1SG18BT020	HARSHITHA P S
45	1SG18BT021	KANCHANA B K
46	1SG18BT023	MONIKA N
47	1SG18BT024	MONISHA S
48	1SG18BT025	N VAMSHI PRIYA
49	1SG18BT027	NAYANIKA AISHWARYA
50	1SG18BT028	NISAR AHMED PARASAR
51	1SG18BT029	NISARGA P
52	1SG18BT030	NISHA K
53	1SG18BT031	POOJA D L
54	1SG18BT033	POOJA S YADAV
55	1SG18BT034	POOJA YELLAPPA KARLANNAVAR
56	1SG18BT036	PREETHI H K
57	1SG18BT037	R RAHUL
58	1SG18BT038	RACHANA G
59	1SG18BT039	RUTHWIK K SHETTY
60	1SG18BT040	SAHANA M
61	1SG18BT041	SAHANA SHEELI
62	1SG18BT042	SANTHOSH G K
63	1SG18BT044	SHILPA S
64	1SG18BT045	SRIRAM P BHAT
65	1SG18BT047	VAISHNAVI B L
66	1SG18BT048	VARSHA K
67	1SG18BT050	YASHASWINI K
68	1SG17BT001	ABHINAV BANARJI
69	1SG19BT004	AMRUTH C SEKHAR
70	1SG19BT005	AMULYA SM
71	1SG19BT006	ANUSHKA AJAY SONONE
72	1SG19BT008	BHARATH KUMAR N
73	1SG19BT015	IRAM AHMED
74	1SG19BT016	JANANI SRIDHARAN
75	1SG19BT017	KEERTHANA S
76	1SG19BT018	KEERTHI REDDY S
77	1SG19BT025	PALLAVI GOWDA J
78	1SG19BT026	PUNITKUMAR MATH
79	1SG19BT027	ROHINI B N
80	1SG19BT030	SHRINKHALA SRIVASTAVA
81	1SG19BT031	SNEHA D J
82	1SG19BT032	SOUJANYA S
83	1SG19BT033	SOUKARYA RAHA
84	1SG19BT034	SPANDANA IYER
85	1SG19BT040	VEDHASHREE M

  
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86	1SG19BT041	VIDYASHREE J
87	1SG19BT042	YASHAS L
88	1SG19BT043	YASHASWINI B R
89	1SG19BT044	PALLAVI GOBINDAPPA

  
(CONVENER)



  
Principal  
Sri Jagadgurur College of Engineering  
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**Department of Biotechnology****Forum activity Report**

AY: 2020-2021



*Type of event/activity	NSS Webinar
Name/Title of the Activity/Event	"World Soil Day"
Date of Organization	07-Dec-2020
Venue (with address)	Department of Biotechnology (SCE)
Organized by	Prof. Prashanth Kumar H. P. (Convener, HASIRU) and Dr. Tulsidas D (NSS program officer) Co-ordinator: Dr. Chethana K R and Prof. Ramya D L
Objectives of the event/activity	To discuss on : <ul style="list-style-type: none"> <li>• Keep soil alive, protect soil biodiversity</li> <li>• Raise awareness of the importance of maintaining healthy ecosystems and human well-being</li> <li>• Addressing the growing challenges in soil management, fighting soil biodiversity loss</li> <li>• Increasing soil awareness and encouraging governments, organizations, communities and individuals around the world to commit to proactively improving soil health.</li> </ul>
Participants (Please attach list of participants, if it is organized/conducted in the dept.))	50+ participants
Mention organized /participated/attended	Organized

**Event Description:**

The Department of Biotechnology organized NSS online program on "World Soil Day" under the banner of The Institution of Engineers (India) Student chapter on 07-Dec-2020 in association with Shristi Forum, BT and NCC committee, SCE.

The session was open for the students. The resource person for the talk was

**Ms. Anjali Ramachandra, Co-Founder, Avani Green Factory, Founder Director, Kreatix Media, Bengaluru.**

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AY: 2020-2021

The Aim & objective of the program is to make understand and provide information regarding –

- The theme of World Soil day 2020, according to the Food and Agriculture Organization (FAO) campaign, is “Keep soil alive, protect soil biodiversity”.
- By encouraging people around the world to engage in proactively improving soil health, the campaign aims to fight soil biodiversity loss.
- If the fertility of the soil is not ensured, it could threaten global food supplies and thereby food safety.
- According to FAO, the campaign aims to raise awareness of the importance of maintaining healthy ecosystems by addressing the growing challenges in soil management, fighting soil biodiversity loss and encouraging governments, organisations, communities and individuals around the world.

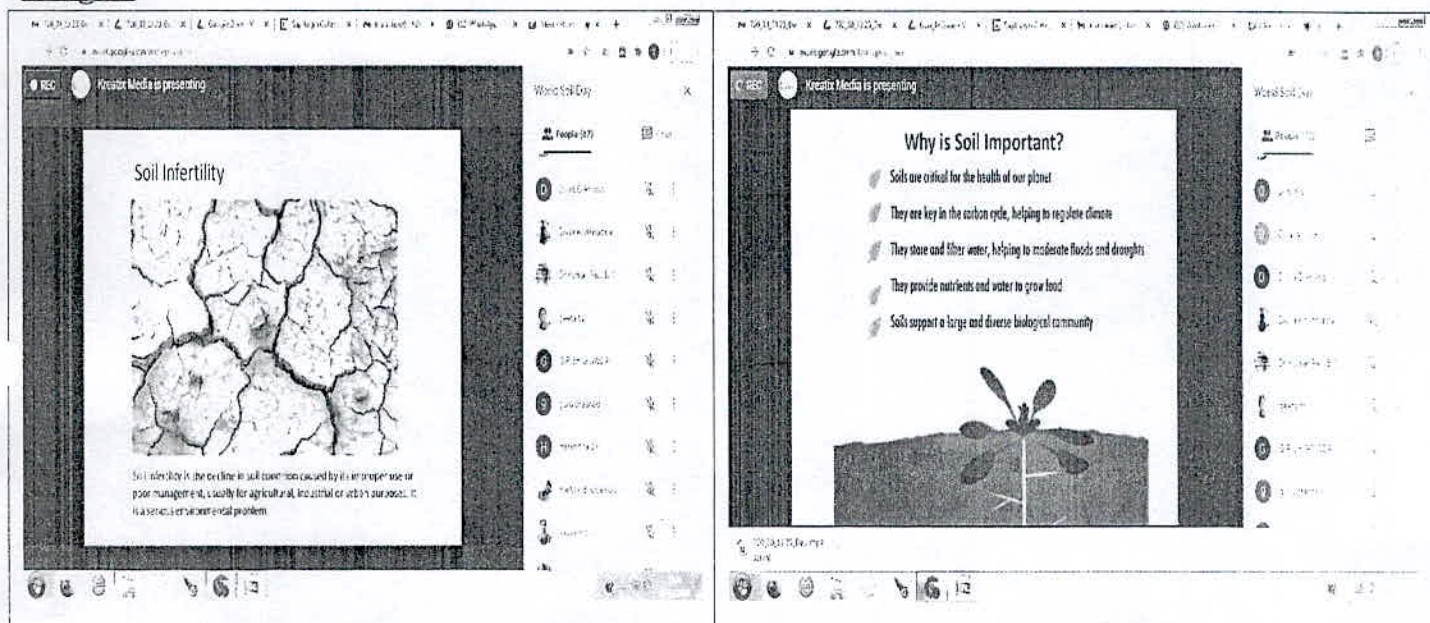
Talk is conducted through Zoom meeting; it had an interactive session where the queries were answered by the resource persons. About 50+ participants attended the orientation talk. It was an enlightening and fruitful session.

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**Images:**



**Slides shared by Speaker during presentation**



**Interaction of speaker with co-coordinators and participants**

Date of Submission: 18/01/2021

Signature of the HOD

Head of the Department  
Dept. of Bio-Technology  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra, Hesaraghatta Main Road  
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Web: [www.sapthagiri.edu.in](http://www.sapthagiri.edu.in), Email: [principal@sapthagiri.edu.in](mailto:principal@sapthagiri.edu.in)

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

### Monthly Event Report for the month of November -2020

#### DEPARTMENT OF MECHANICAL ENGINEERING

*Type of event/activity	<b>Faculty Development Program</b> –In Association with Department of Mathematics, Department of civil Engineering and CMTI, Bengaluru
Name/Title of the Activity/Event	<b>"Recent Trends in Fluid Dynamics"</b>
Date of Organization	<b>November 17 – 21, 2020</b>
Venue (with address)	COLLEGE CAMPUS (On-Line) <b>Sapthagiri College of Engineering</b> Chikkasandra, Hesaraghatta Main Road, Bengaluru -560057
Organized by	DEPARTMENT OF MECHANICAL ENGINEERING
Objectives of the event/activity	<ol style="list-style-type: none"> <li>1. To introduce the faculty with fundamental concepts in Fluid dynamics.</li> <li>2. To create awareness on the problems/research work going on in the area of Fluid Dynamics..</li> <li>3. To illustrate the mathematical and other tools used in Fluid Dynamics..</li> <li>4. To explore new areas of research and tools / softwares used in the area of Fluid Dynamics.</li> <li>5. To provide an opportunity for the faculty to interact with people working in the different areas of Fluid dynamics.</li> </ol>
Participants	FDP was organized by department of Mechanical engineering in association Department of Mathematics, Department of Civil Engineering and CMTI, Bengaluru. Faculties from different institutions and Universities registered to the five day FDP.
Mention organized /participated/attended	Same as above

#### Event Description:

A five day FDP on "Recent Trends in Fluid Dynamics" was organized by department of Mechanical engineering in association Department of Mathematics, Department of Civil Engineering and CMTI, Bengaluru. Faculties from different institutions and Universities registered and participated in the five day FDP. Seventeen lectures were arranged during the FDP. Daily two sessions were arranged from 10:00 am to 12:00noon & 2:30pm – 4:30 pm. Each session was having two lectures from experts / resource persons.

#### Images: Enclosed

Mapping of POs with the activity conducted

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1	1	1	1	1				1	2		3

**\*Type of activity: FDP**

Date of Submission: 02/12/2020

Principal  
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Bengaluru - 560 057

Signature of the HoD  
Professor & Head

Department of Mechanical Engineering  
Sapthagiri College of Engineering  
Bengaluru - 560 057.



Details of Participants Registered : Total 200

S.N	Name ( As Required on the Certificate)	Affiliation (Institution/Organization)	Department	Highest Qualification
1	Vijay R B	Acharya institute of technology	Mechanical	M.tech
2	LAVAKUMAR K S	ACHARYA INSTITUTE OF TECHNOLOGY	MECHANICAL ENGINEERING	M.TECH
3	Dr. Attel Manjunath	Acharya Institute of Technology	Mechanical Engineering	Ph.D
4	SHREEHARI SHALDAR	Acharya Institute of Technology, Bengaluru	Automobile Engineering	M.Tech.
5	Dr. Raghavendra K	ACS College of Engineering	Mathematics	PhD
6	INAMUL HASAN	ACS COLLEGE OF ENGINEERING	AERONAUTICAL ENGINEERING	M.E
7	KUMARA B M	ACS College of Engineering.	Mechanical Engineering	ME, Persuing pH.D
8	Mr. RANJIT ARJUN KATKAR	AGTI's Dr. DAULATRAO AHER COLLEGE OF ENGINEERING, KARAD.	CIVIL ENGINEERING	M TECH STRUCTURE
9	B.BABU	AMRITA COLLEGE OF ENGINEERING AND TECHNOLOGY	Mechanical	M.E(Ph.D)
10	Dr.Satheesha V	Associate Professor	Mechanical	Ph.D
11	Dr.Rathnakar.G	ATME College of Engineering, Mysuru.	Mechanical Engineering	Ph.D
12	H P JAGADISH	B M S EVENING COLLEGE OF ENGINEERING	Mechanical department	Ph D
13	Dr. Sreelakshmi D	B N M Institute of Technology	Mathematics	Ph. D
14	Dr. L VENKATA REDDY	B N M INSTITUTE OF TECHNOLOGY, BANGALORE	MATHEMATICS	Ph. D
15	Roopa G.	B.N.M Institute of Technology	Mathematics	M.Phil.
16	Manjula M.	B.N.M Institute of Technology	Mathematics	M.Phil
17	Dr. N. P. CHANDRASHEKARA	B.N.M. INSTITUTE OF TECHNOLOGY	MATHEMATICS	Ph. D.
18	Ravi.VC	BANGALORE INSTITUTE OF TECHNOLOGY	MECHANICAL	ME
19	Aishwarya H S	Banglore University	Mathematics	MSc
20	Dr Devanand D Chillal	Basaveshwar Engineering College	Automobile	Ph.D
21	Ms NOOR E MISBAH	Bengaluru City University	Department of Mathematics	MSc
22	M. srikanth	Bharath school	School	B.pharm
23	Mr.C.NATESAMURTHI	Bharathidasan Engineering College, Nattrampalli, Tirupattur Dt.	Mechanical Engineering	M.E.
24	Shaila. S.Benal	BLDEACET,V.P. DR.P.G.HALAKATTI ENGINEERING COLLEGE VIJAYAPUR	SCIENCE & HUMANITIES	M.Sc
25	Vijayalakshmi U Shanbhag	BMS College For women	Mathematics	MSc, KSET
26	Dr GAYATHRI M.S.	BMS College of Engineering	Mathematics	Ph D
27	Mrs.SREELAKSHMI T K	BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT	Mathematics	M.Sc.,
28	Dr. KALLUR V VIJAYAKUMAR	BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT	MATHEMATICS	Ph.D.
29	SHRIPAD DIWAKAR	BMS Institute of Technology and Management, Bengaluru	Mechanical Engineering	M.Tech
30	Dr. CHETHAN A. S.	BMSIT&M	Mathematics	PhD
31	Usnis Banerjee	Central University of Jharkhand	Department of English Studies	Doctoral Research Scholar



32	Sushma S	Channabasaveshwara Institute of Technology, Gubbi	Mechanical Engineering	M. Tech
33	Keerthana S	Christ (Deemed to be University)	Mathematics	MSc
34	Noor Arshika S	CHRIST (Deemed to be University)	Mathematics	M.Phil
35	Nisha Mary Daniel	CHRIST (Deemed to be University)	Mathematics	M.Sc.
36	Ravi N S	CIT, Gubbi	Mechanical Engineering	M Tech.
37	THARA R	CIT, GUBBI, TUMKUR	MECHANICAL ENGINEERING	M.Tech
38	S.SHANKAR NARAYAN	CMR Institute of Technology, Bengaluru	Mathematics	M.Sc
39	CHAPPELI SAI KIRAN	CVR COLLEGE OF ENGINEERING	Mechanical Engineering	M.E.
40	Sneha Kolkar	Davanagere university	Mathematics	Phd
41	VISHALAKSHI A. B.	DAVANGERE UNIVERSITY	MATHEMATICS	M. SC
42	Dr M.N Gururaja	Dayananda Sagar Academy of Technology & Management	Mechanical Engineering	Ph.D
43	MAHESH B	Dayananda Sagar Academy of Technology & management	Mechanical Engineering	M.Tech
44	Bhavya Shivaraj	Dayananda Sagar Academy of Technology and Management	Mathematics	M. Phil., (Ph. D.)
45	Dr Shilpa P	Dayananda Sagar academy of Technology and management	Mathematics	PhD
46	Dr.Nagaraj C	Dayananda sagar academy of technology and management	Mathematics	Ph.D
47	UJWAL U	Dayananda Sagar Academy of Technology and Management	Mechanical Engineering	M. Tech
48	Dr.vatsala G A	Dayananda sagar Academy of Technology and Management, Bangalore	Mathematics	PhD
49	Abhishek H A	Dayananda Sagar College of Engineering	Mechanical Engineering	M. Tech
50	Akshayraj N	Dayanandasagar college of engineering	Aeronautical engineering	M.Tech
51	K M Kiran Kumar	DBIT Bangalore	Mechanical Engineering	M.Tech
52	KISHORE	DBIT, BANGALORE	Mechanical Engineering	M.E
53	TALARI THIMMAPPA	Dr K V Subba Reddy Institute of Technology Kurnool AP	Mechanical Engineering	M.Tech
54	Dr Manjunatha C	Dr T Thimmaiah institute of technology	Mathematics	PhD
55	B.N Manjunath	Dr.T.Thimmaiah Institute of Technology	Mechanical	M.TECH
56	SHAILAJA SR	DrTTIT	Mathematics	Msc
57	VIJAYAVARDHANA C	DSATM	Mechanical engineering	ME
58	Naresh D C	DSCE Bangalore 78	Aeronautical Engineering	M.Tech
59	Naveen N	East West College of Engineering	Mathematics	M.Sc
60	VINIT SHAH	FREEZCO CORPORATION	ENGINEER	ENGINEER
61	Mr. Naresh kumar	G H Raison College of Engineering and Management, Pune	Mechanical Engineering	M. Tech
62	Ghaleppa	Global Academy of Technology	Mechanical Engineering	M.Tech
63	MR KIRAN BABAJIRAO SALUNKE	Government polytechnic Thane	Mechanical engineering department	ME Mechanical
64	DR SUMIT GUPTA	Govt Degree College Arki Distt Solan	Mathematics	Ph.D.
65	SANJAY S C	GSSS INSTITUTE OF ENGINEERING & TECHNOLOGY FOR WOMEN MYSORE	MECHANICAL	MTech



66	Shiva Prasad S	GSSS Institute of Engineering and Technology for Women Mysuru	Mechanical	M.Tech.
67	VENKATASESHAIAH B	GSSS Institute of Engineering and Technology for Women, Mysuru.	Mathematics	M.sc
68	RAGHUNANDAN M S	GSSSIETW, Mysuru	Mechanical	M.TECH
69	Dr. YOGESH M	GSSSIETW,MYSORE	Mechanical	Ph.D
70	Roopadevi K N	GSSSIETW,Mysuru	Mathematics	M.Sc
71	SRISHAILAREDDY	H.K.E.S's S.L.N.COLLEGE OF ENGINEERING	Mechanical Engineering	M.Tech
72	SUJOY KANTI BHATTACHARJEE	Indian Institute of Engineering Science and Technology, Shibpur	I	I
73	DEVIPRASAD N MIRASHI	Jain College of Engineering and Technology, Hubballi-580032	Mechanical Engineering	M.Tech (Thermal Power Engineering)
74	Pradeep G V	Jain University	ME	M.Tech
75	Raghavendra Rao P S	Jain University	Automobile Engineering	M.E.
76	Vasantha kumar h	Jssstu mysuru	Mechanical	M.Tech
77	NAGARATHNA T K	K S SCHOOL OF ENGINEERING AND MANAGEMENT	MATHEMATICS	MSc
78	Mahanthesh.G	Kalpataru Institute of Technology	Mechanical Engineering	M.Tech
79	HARIKESHA C R	Kalpataru Institute of Technology	Mechanical Engineering	MTech
80	Dr Viswanatha BM	Kalpataru Institute of Technology TIPTUR	Department of mechanical engineering	PhD
81	Rohith Kumar H V	Kalpataru Institute of Technology, Tiptur	Department of Mechanical Engineering	B.E.,M.Tech
82	Mr.DEEPAK KUMAR.N.Y.	Kalpataru Institute of Technology, Tiptur	Mechanical Engineering	M.Tech
83	CHETHAN CHANDRA S BASAVARADDI	KALPATARU INSTITUTE OF TECHNOLOGY, TIPTUR-572201.	COMPUTER SCIENCE AND ENGG.	B.E, M.Tech, D.Litt., (P.hD).
84	Rabinarayan Bag	KIIT Deemed to be University, Bhubaneswar	Mechanical engineering	PhD
85	Dr CHANCHAL KUMARI	Kolhan University, Chaibasa, Jharkhand	Psychology	PhD
86	M Senthilkumar	Kumaraguru College of Technology Coimbatore	Aeronautical Engineering	M.E, (PhD)
87	Dr SAKSHATH T N	M S Ramaiah University of Applied Sciences	Mathematics	PhD
88	Dr Veena B. N.	M. S. Ramaiah Institute of Technology	Mathematics	Ph. D.
89	Dr. Dinesh P. A.	M. S. Ramaiah Institute of Technology	Mathematics	Ph. D.
90	Pankaj Mishra	National Institute Of Co - Operative Management College	Finance & Management	M.B.A.
91	Mr. Shiva Prakash S	New horizon college of Engineering	Mechanical Engineering	M-Tech
92	Dr Mohammed Abid Ali	PSCMR College of Engineering & Technology Vijayawada	Mechanical Engineering	PhD
93	K S Madhu	Rajarajeswari College of Engineering	Mechanical Engineering	M tech
94	B.D.Wadekar	RajaRajeswari College Of Engineering, Bengaluru.	Mechanical Engineering	M.Tech
95	Praveen Math	Reva university bangalore	Mechanical engineering	M. Tech
96	Manjunath C	REVA University, Bengaluru	Mechanical Engineering	M.Tech
97	BASAVARAJ M S	RIT	Mathematics	Ph.D
98	Rakesh R	RNS Institute of Technology, Bengaluru	Mechanical Engineering	M Tech



99	G.R.JAGANNATH	RNSIT	MECHANICAL ENGINEERING	M.Tech.
100	NIVYA MUCHIKEL	RV COLLEGE OF ENGINEERING	MATHEMATICS	M.Sc, M.Phil.
101	G JAYALATHA	RV College of Engineering	Mathematics	Ph.D
102	Anil Kumar G	S J B Institute Of Technology	Mechanical Engineering	M.Tech [Ph.D]
103	Dr. Madhusudhana S V	S.J.C. Institute of Technology	Mechanical Engineering	PhD
104	Farakate Pandurang Ranaba	Sadashivrao Mandlik Mahavidyalaya Murgud Tal Kagal Dist Kolhapur	History	MA
105	BHAVYA N P	Sapthagiri college of engineering	Mathematics	M.Sc
106	Muniratnamma M	Sapthagiri college of engineering	Mathematics	M.Sc,
107	Santhosh HC	Sapthagiri college of engineering	Mathematics	MSc, B.Ed
108	Mohan A E	SAPTHAGIRI COLLEGE OF ENGINEERING	Mechanical	M. Tech
109	Dr Kumar Raju B C	Sapthagiri College of Engineering	Civil Engineering	PhD
110	Mohan A E	SAPTHAGIRI COLLEGE OF ENGINEERING	Mechanical	M. Tech
111	Rajiv T	Sapthagiri college of engineering	Civil	M.Tech
112	Nandini BJ	Sapthagiri College of Engineering	Mathematics	M.Sc
113	Dr P MAHADEVASWAMY	Sapthagiri College of Engineering	Mechanical Engg	PhD
114	Dr.Basavaraju.S	Sapthagiri College of Engineering	Mechanical Engineering	PhD
115	Dr.R.G.deshpande	Sapthagiri college of engineering	Mechanical engineering	Ph D
116	Dr.NARAYANAPPA	Sapthagiri College of Engineering	Electrical and Electronics Engineering	Ph.D
117	Sruti C R	Sathyabama Institute of Science and technology	mba	PG
118	Dr. Basavaraj Ganiger	SCE	ME	Ph.D
119	Shripad Markande	SCE	Mathematics	Ph.D
120	Ramesh N G	SCE	ME	Mtech
121	kumar Swamy R	Sir M Visvesvaraya Institute of Technology	Mechanical Engineering	M.Tech
122	Mr. P. Leon Dharmadurai	SNS College of Technology	Automobile	M.E
123	N. KUMARESAN	SNS COLLEGE OF TECHNOLOGY	AUTOMOBILE ENGINEERING	M.E
124	Naveen Kumar pattar	Sri Krishna institute of technology	Mechanical engineering	Mtech
125	Mallikarjun G	Sri Krishna institute of technology	Mathematics	M.phil (PhD)
126	Mr. PRAKASHA G	Sri Venkateshwara College of Engineering, Bengaluru	CSE	M. Tech
127	MODI ARPIT HARIVADAN	SVIT-Vasad	Mechanical Engineering	PG
128	Dimple Juneja	Udaipur	Commerce	M phil
129	Viswas Sharad Purohit	University at Buffalo	School of Engineering and Applied Sciences	Ph.D
130	Dr. Ravichandra nayakar S N	University BDT College of Engineering, Davangete	Mathematics	Ph. D
131	Dr. Richa Biswal	University of Allahabad	English	Ph. D
132	Ajith K	VCET Puttur	Mechanical Engineering	Mtech
133	Dr. M S JAGADEESH KUMAR	Vellore Institute of Technology	Mathematics	Ph. D
134	Mr. AMRUTH E	Vidya Vardhaka College of Engineering, Mysuru	Mechanical Engineering	M.Tech



135	Chandan V	Vidyavardhaka College of Engineering	Mysuru	MTech
			Department of Mechanical Engineering	
136	Dr S A Mohan Krishna	Vidyavardhaka College of Engineering		Ph. D
137	Kavitha N	Vishwa chethana pu and degree college	Mathematics	Msc
138	Mrs. Nayana P	Visvesvaraya Technological University	Mathematics	MSc
139	GUNAMUTHUKUMAR U	VIT VELLORE, TAMILNADU	MATHEMATICS	Research Scholar
140	Bhaskar Kulkarni	Vivekananda College of Engineering & Technology, Puttur	Mechanical Engineering	M. Tech
141	SHREESHARANYA U R	Vivekananda college of Engineering and Technology, Puttur,	Mathematics	M.Sc.
142	LAKSHMIKANTHA D B	VKIT	Mathematics	Msc(p,hd)
143	ROOPA K R	VTU	Mathematics	M.Sc
				M.Tech(Thermal & Fluid eng'g),(PhD)
144	Prof.Vijayakumar S.Totad	VTU, AIT	Mechanical engineering	
145	Dr Manjunath B T	VTU, Dayananda sagar of Academy of Technology and Management	Mechanical engineering	PhD
146	Saud Mehboob Inamdar	MAHE	Mechanical	12
147	Dr.Tabassum Sadik	University of technology and applied sciences	Mechanical engineering department	PhD
148	Sriraksha Prakash	Dr. TTIT	Mathematics	M.Sc
149	Annamma Abraham	BMS Institute of Technology and Management	Mathematics	Ph.D
150	Ram Kumar M	Sapthagiri College of Engineering, Bangalore	Mechanical Engineering	M.Tech
151	THEJAS M S	SAPTHAGIRI COLLEGE OF ENGINEERING	MECHANICAL ENGINEERING	M.Tech
152	Dr. SOMASHEKHAR P H	Dr. S. M. C. E.	Mechanical Engineering	Ph.D
153	Jeevith Arvind	Sapthagiri college of engineering	Mechanical engineering	2nd PUC
154	Devaraj E	CMR University	Mechanical Engineering	ME(PhD)
155	ADARSH KUMAR P V	Sapthagiri collage of engineering	Mechanical engineering	2nd pu
156	M.K.Shashidhar	AICTE	Mechanical	M.Tech
157	Kishore kv	Sapthagiri college of engineering	Mechanical	BE
158	RANGANATH N	KSIT	Mechanical Engineering	Mtech
159	Satish Kumar YD	Sapthagiri College of Engineering	Mechanical Engineering	M.tech
160	Bindu M G	Sapthagiri college of Engineering	Mathematics	M.Sc
161	Ansa Mathew	Research Scholar, CHRIST(Deemed to be University), Bengaluru, India	Department of Mathematics	MSc. Mathematics
162	Dr. Indira R	Nitte Meenakshi Institute of technology	Mathematics	Ph. D
163	MEGHANA J	Research Scholar	Mathematics	MSc Mathematics
164	KEERTHI R	Christ College of Science and Management-Malur	Science	MSc
165	CHANNA KESHAVA NAIK N	SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR	MECHANICAL	M.Tech., (Ph.D)
166	NAVEEN KUMAR A	Cambridge Institute Of Technology	Mechanical Engineering	M.Tech (Ph.D)
167	Dr. V RAMACHANDRAMURTHY	R R Institute of Technology	Mathematics	Ph.D.
168	Shilpa B V	Vivekananda Institute of Technology	Mathematics	M. Sc



169	Chetan B P	Sapthagiri College of Engineering	Mechanical Engineering	M. Tech
170	MADHUKUMAR YC	Sapthagiri College of Engineering	Mechanical Engineering	M.Tech
171	Arunkumar R	SCE	ME	MTech
172	Mahesh S	Sapthagiri College of Engineering	Mechanical Engineering	M.Tech
173	Hemanth kumar HR	Sapthagiri college of engineering	Mechanical engineering	MTECH
174	A.M.Mahesha	Sapthagiri college of engineering	Mechanical engineering	M.Tech
175	Siva Murali Mohan Reddy A	Sapthagiri college of engineering	Mechanical engineering	Mtech
176	Dr. S. Manjunath	B N M Institute of Technology, Bengaluru	Mathematics	Ph.D.
177	Halembre Ambika	Sapthagiri college of engineering	Mechanical	Undergraduate
178	BHAVYA N P	Sapthagiri college of engineering	Mathematics	M.Sc
179	Anil Kumar P R	Sapthagiri College Of Engineering	Mechanical	MTech
180	PRAMOD S V	Sapthagiri College of Engineering	Mechanical	M.Tech
181	Dr. Hareesha N G	Dayananda Sagar College of Engineering	Aeronautical Engineering	PhD
182	PAMPAPATHI GADDI	Cambridge Institute of Technology North Campus	Mechanical Engineering	M.Tech
183	MEGHA SHUKLA	New Horizon College of Engineering	Mechanical	M Tech
184	Dr. Dishaben Lalitya Vaidya	R V College of Engineering	Mathematics	PhD
185	NEETI GHIYA	RV COLLEGE OF ENGINEERING	MATHEMATICS	Ph D
186	Manjunatha.B.R	KSIT	Mechanical engg	Mtech
187	Dr.A Hareesh	Amruta institute of Engineering and Management Sciences	Mechanical Engineering	Ph.D
188	Mahesh S M	Don Bosco institute of technology	Mechanical engineering	M Tech
189	Likhith R	Sapthagiri college of engineering	Mechanical	Engineering
190	CHETHAN S	SAPTHAGIRI COLLEGE OF ENGINEERING	MECHANICAL ENGINEERING	12
191	K Nagaraju	Geethanjali College of Engineering and Technology	Freshman Engineering Department	M.Sc, M.Phil
192	Baswaraj Dewarasetty	Jayaprakash Narayan College of Engineering	Mechanical Engineering	M.Tech(Ph.D)
193	Dr.G.Prathyusha	Sri Vani Degree & PG College	Electronics	Ph.D
194	Manjunatha C J	Vtu	Mechanical	Mtech,
195	Nagaraja T K	JSS Academy of Technical Education	Mechanical Engineering	MTech
196	Mahadev M channakote	M.S.Ramaiah University of Applied Science	Mathematics and Statistics	Ph D
197	Manjushree K	Sapthagiri College of Engineering	Mechanical engineering	Student
198	Siddabasappa C.	M. S. Ramaiah University of Applied Sciences	Mathematics and Statistics	PhD
199	Lingaraj Ritti	Shri Madhwa Vadiraja Institute of Technology and Management Bantakal Udupi	Mechanical Engineering	M Tech
200	Dr.TULSIDAS D	Sapthagiri College of Engineering	Mechanical Engineering	pH.D



## FDP Scedule

Sl.No	Resource Person	Topic
<b>17-11-2020</b>		
1	Dr Pradeep G Siddheshwar, Christ University, Bengaluru	Two-frequency gravity modulation effects on Rayleigh-Benard convection
2	Dr Sadashive Gowda, Principal, VVCE, Mysuru	Discretization
3	Dr Amit Mahajan, NIT, Delhi	Study of Stability of Fluids by Energy Method
<b>18-11-2020</b>		
4	Dr Om P Suthara, MNIT, Jaipur	Choatic Behaviour of Atmospheric Convection
5	Dr Kanchana C, University of Tarapaca, Chile	Chaotic hydrodynamics
6	Dr Annamma Abraham, BMSIT&M, Bengaluru	Ferrofluids and its applications
<b>19-11-2020</b>		
7	Dr Buddhi Sapkota, Tribhuvan University, Nepal	Numerical Simulation of Indoor Air Contaminant Distribution in a Naturally Ventilated Kitchen
8	Dr Narendra Kumar M, JIT, Bengaluru	Introduction to CFD
9	Dr Ramanarasimha K, Principal, KSSEM, Bengaluru	General Aspects of CFD
10	Dr Dharmendra Tripathi, NITUK, Uttara Khand	Electroosmotic Flow with bimicrofluidics Applications
<b>20-11-2020</b>		
11	Dr Sankar M, Presidency University, Bengaluru	Finite Differene Method for Heat transfer Problems
12	Dr Manjunath S, BNMIT, Bengaluru	Mathematical Modeling of Dispersion in Fluid Flows
13	Dr Mahesha Narayana, University of West Indies, Jamaica	Taylor series solution of boundary eigenvalue problems arising from fluid flow instabilities
14	Dr Lakshmi K M, University of Tarapaca, Chile	Natural convection of Water-AA7075 Nano liquids confined in low-porosity cylindrical annuli
<b>21-11-2020</b>		
15	Dr Meenakshi Nerolu, Howard University, USA	Enhanced Heat Transfer in Liquids - Nano Solution
16	Dr Pranesh S, Christ University, Bengaluru	Trpile Diffusive Convection with Gravity Modulation
17	Dr Sridhar S N, Amity University, Gurugram	Applications of CFD in Automotive Design



## FDP Brochure

**CHIEF PATRONS**

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Shri. G. D. Manoj, Executive Director, SUT, Bengaluru

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Dr. A. S. Sampath Kumar, and A. V. R. Ranganath,  
Dr. Sushil Kumar, Professors, IT, Srirangapatna, VTU, Bellary

**ORGANIZING CHAIRS**

Dr. H. Ramakrishna, Patron-in-Charge, SUT, Bengaluru  
Dr. Shripad Markande, Dept. of Mathematics, SUT, Bengaluru  
Prof. Chair

**ADVISORY COMMITTEE**

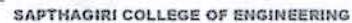
Dr. Pradeep G. Siddheshwar, FIMA (UK), FNAS  
Senior Professor, Dept. of Mathematics, Christ University, Bengaluru  
Dr. Nagahamuniah  
Director, CMTH, Bengaluru  
Dr. K. S. Jayanthi  
Former Principal, MCE, Hassan  
Dr. P. Mohanadaswamy  
Prof. and Head, Dept. of Mechanical Engineering, SCE, Bengaluru

**ORGANIZING COMMITTEE**

Dr. P. Jayaraman, Chairman, SUT, Bengaluru  
Dr. Karimuddin, Honorary Vice-Chancellor, VTU, Bellary  
Dr. Manjunath, Prof. of Mech. Engineering, SUT, Bengaluru  
Dr. Sushil Kumar, Prof. of Mech. Engineering, SUT, Bengaluru  
Prof. Shripad, NPE, SUT, Srirangapatna, SCE  
Prof. Manoj G. D., Executive Director, SUT, Bengaluru  
Prof. Manjunath, M. J. J. & Manjunath, SUT

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4/5, Hesarghatta Main Road, Chikkasandra, Jalahalli West, Bengaluru, Karnataka -560067



"RECENT TRENDS IN FLUID DYNAMICS"

November 17-21, 2020

ORGANIZED BY

ORGANIZED BY  
DEPARTMENT OF MECHANICAL ENGINEERING, DEPARTMENT OF CIVIL ENGINEERING  
DEPARTMENT OF MATHEMATICS  
IN ASSOCIATION WITH  
CMU, BENGALURU



**ABOUT THE INSTITUTE**

Saptarshi College of Engineering (SCE), Bengaluru is the largest and the well-known institution and philanthropic SRI is President, the Chairman of the Governing Board of the College. SCE is approved by AICTE, affiliated to MTE, Bengaluru.

**VISION**

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

**MISSION**

- To implement quality oriented student centric education methods.
- To strengthen vibrant network framework to transform to strong individual as responsible citizen.
- To educate the students and facilitate their career progression to meet the requirements of the society.
- Strengthen industry institute interaction for knowledge sharing.

**ABOUT THE DEPARTMENTS**

**DEPARTMENT OF ELECTRONICS ENGINEERING**

The department was established in 1993. The department is recognized as Research centre from VIT and offers P.E.D.M.S. (Engineering). The department is well equipped with advanced laboratory to carry out research in the domain of microprocessors and I.C. design.

M.T.E. has been started with industries for skill development, training, research and research for both the students and industries.

**DEPARTMENT OF MATHEMATICS**

The department was established in 2001. The faculty members are actively involved in research areas like algebra, theory, and dynamics, topology and Pure Mathematics.

**CENTRAL MANUFACTURING TECHNOLOGY INSTITUTE (CMTI)**

CMTI is a programme R & D. institution focusing on providing technical assistance to the manufacturing sector and assisting technical growth in the country. CMTI plays a key role in applied research, design and development (R&D), technology development, innovation and dissemination of manufacturing technology to human institutions.

## ABOUT FDP

In history of the traditional and online processes, there has been a substantial aspect along with the hardware and energy management. The distinct process, challenges and scenarios are required to have detailed knowledge of the field along with other parameters to thoroughly understand the process. Knowledge in fluid dynamics is essential for Chemical Engineering, Mechanical Engineering, Biomedical Engineering, Petroleum Engineering, Food Processing, Pharmaceutical Industries and an almost limitless. The main objective of the FDP is to help secondary faculty to understand the various trends in fluid dynamics. Experts from Industry and Academia in the area of fluid dynamics, petroleum and biomedical engineering are guiding the way of the FDP in the area of fluid dynamics. Another important objective of the FDP is to provide a platform for the participants to discuss and interact with the experts.

## RESOURCE PERSONS

**Dr. R. D. Patil, AECET, Mumbai**  
**Dr. P. K. Jadhav, Sardar Vallabhbhai Patel University, Baramulla, Jammu**  
**Dr. Anil M. Joshi, MIT, Delhi**  
**Dr. Anupama Agrawal, IISBT, Bawal, India**  
**Dr. Dharmachandra Bhatnagar, IITM, Mumbai, India**  
**Dr. Maheshwari, A. A. University of Technology, Dwarka Nagar**  
**Dr. Manmohan S. BHATT, Bangalore**  
**Dr. Jayashree Kulkarni, Jayoti Institute of Technology, Bangalore**  
**Dr. Pradip K. Chatterjee, IISCT, Bangalore**  
**Dr. Gnanaprakasam K. Venkata, SSNIT, Bhatkal, India**  
**Dr. Balraj Kumar, Principal, VITCE, Mysore**  
**Dr. Sankar M. Dasgupta, University, Bangalore**  
**Dr. Vignesh H. Srinivasan, Aerospace Laboratory, CMC, Bangalore**  
**Dr. Shripad M. Vora, IIT, K. J. Somaiya**  
**Dr. Sridhar S. N. Director, School of Civil, Anna University, Chennai**  
**PROFESSOR**  
**Dr. Bhanu Prasad, Tribhuvan University, Nepal**  
**Dr. Ravi Kant, University of Jammu, India**  
**Dr. Lakshmi S. M. University of Pune, India**  
**Dr. Maheshwari, Anand, University of West India, Chennai**  
**Dr. Maheshwari, Anand, Institute of West India, Chennai**  
**Dr. Sampath Chakrabarty, Jadavpur University, Kalyan, India**

### Photos of the event

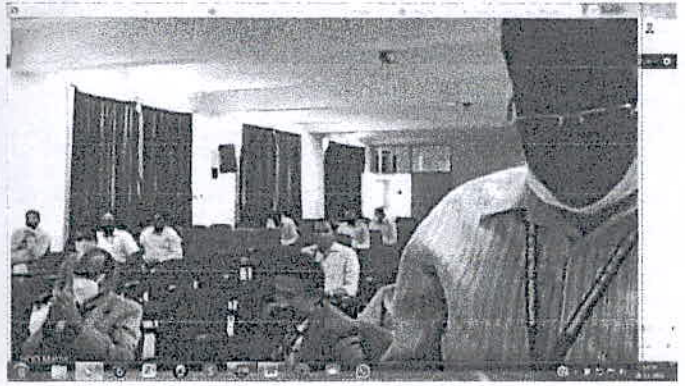
## Inaugural Function

Principal \_\_\_\_\_





Welcome address by the Principal



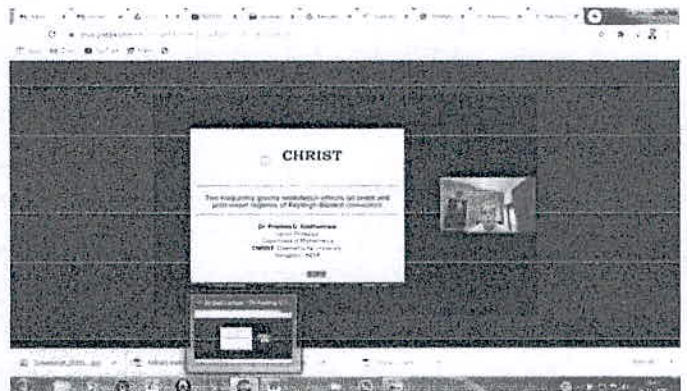
Introduction of Chief Guest



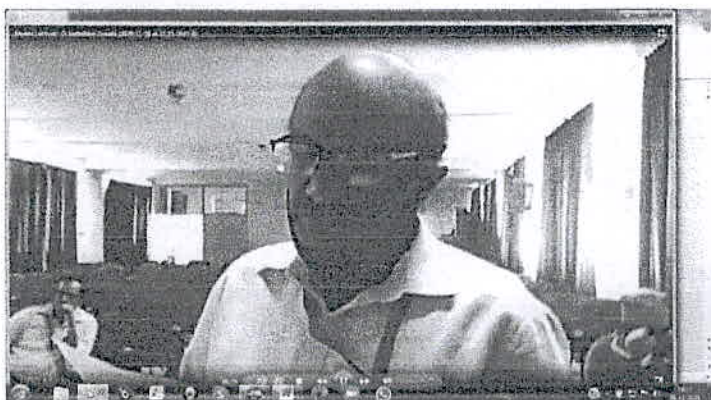
Address by the Chief Guest



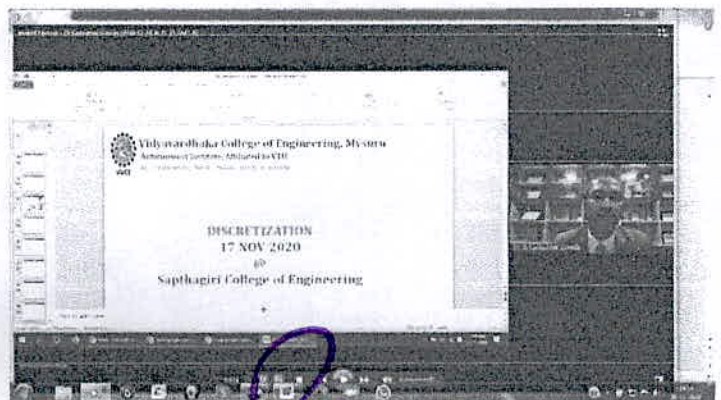
Introduction of Guest of Honor



Key Note Lecture – Dr. Pradeep G Siddheshwar



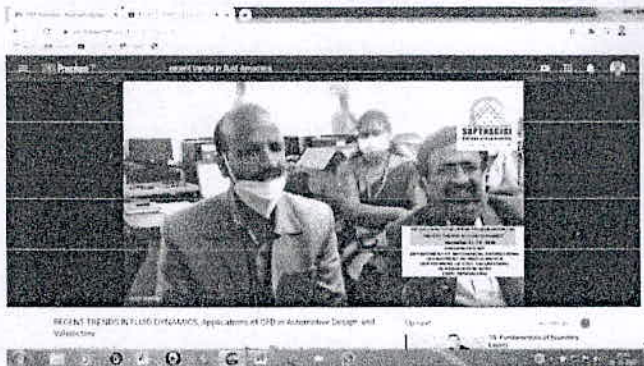
Introduction of Guest of Honor



Key Note Lecture – **Dr. Sadashive Gowda**  
**Sapthagiri College of Engineering**  
 14/5, Chikkasandra, Hesaraghatta Main Road  
 Bengaluru - 560 057



## Valedictory Function:



Welcome address by the Principal



Brief about FDP

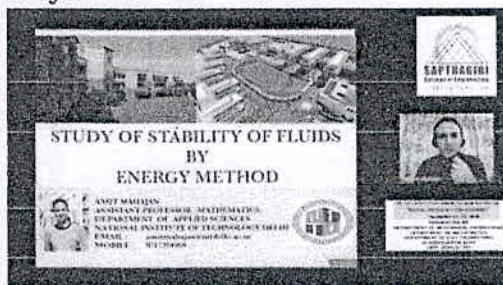


Address by the Chief Guest  
Vote of Thanks



## Lecture Sessions

Day1 : 17- 11 - 2020

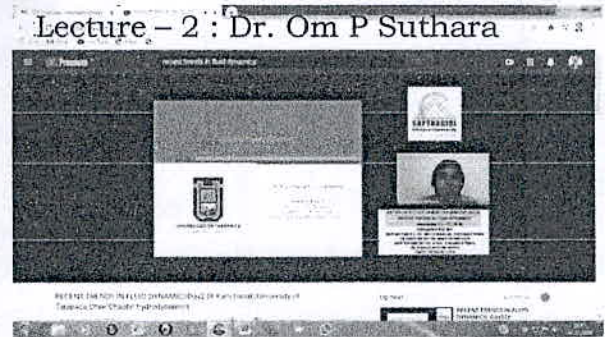


Lecture – 1 : Dr. Amit Mahajan

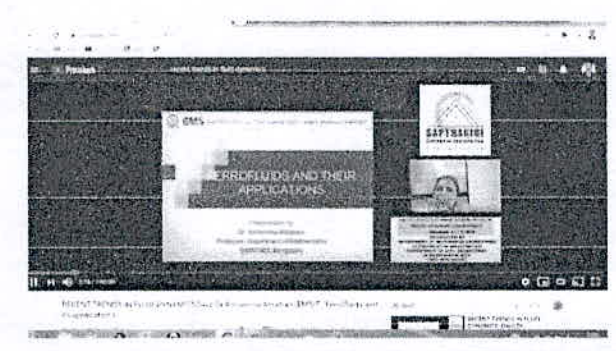
  
Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 057



Day 2 : 18 - 11 - 2020



Lecture 3 : Dr. C Kanchana



Lecture - 4 : Dr. Annamma Abraham

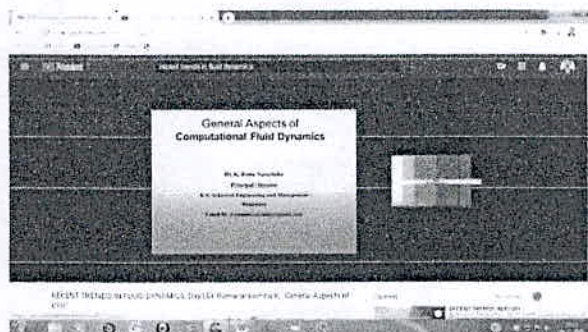
Day 3 : 19 - 11 - 2020



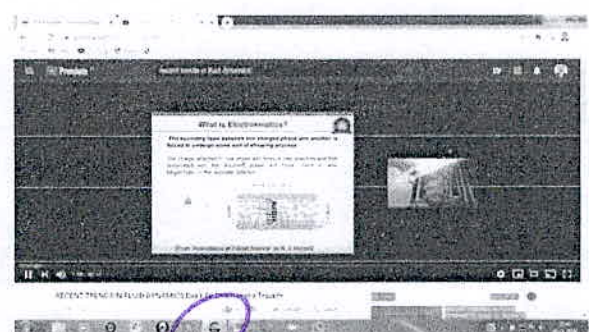
Lecture 5 : Dr. Buddhi Sapkota



Lecture 6: Dr. Narendra Kumar



Ramanarasimha

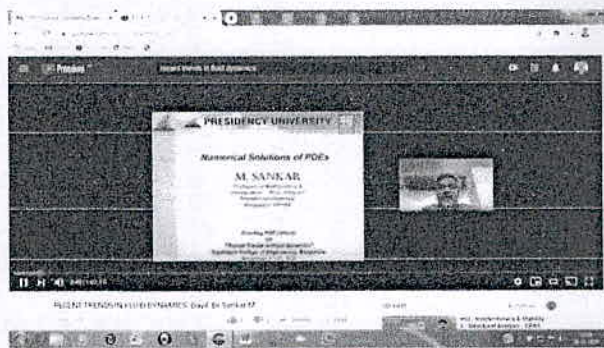


Lecture 8 : Dr. Dharmendra Tripathi

Lecture  
7 : Dr.



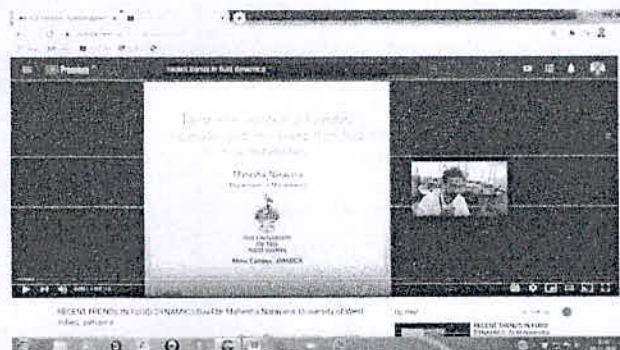
Day 4 : 20 – 11 – 2020



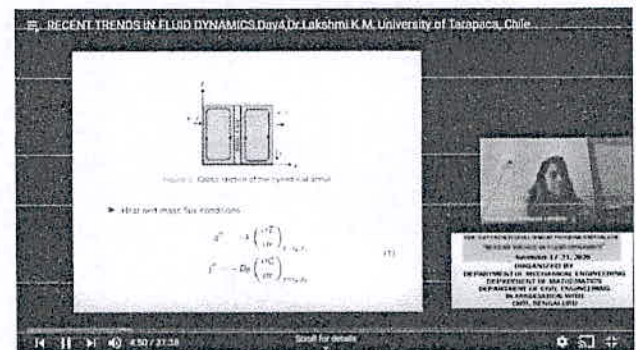
Lecture 9 : Dr. Sankar M



Lecture 10 : Dr. Manjunath S

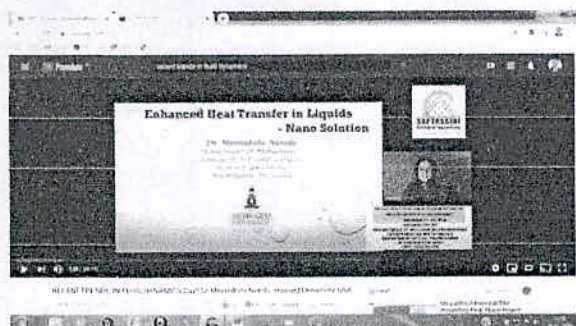


Lecture 11 : Dr. Mahesha Narayana



Lecture 12 : Dr. Lakshmi K M

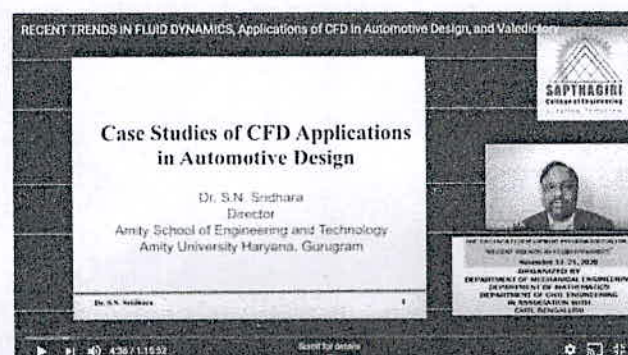
Day 5 : 21 – 11 – 2020



Lecture 13 : Dr. Meenakshi Nerolu



Lecture 14 : Dr. S Pranesh



Lecture 15 : Dr. Shridhar S.N

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

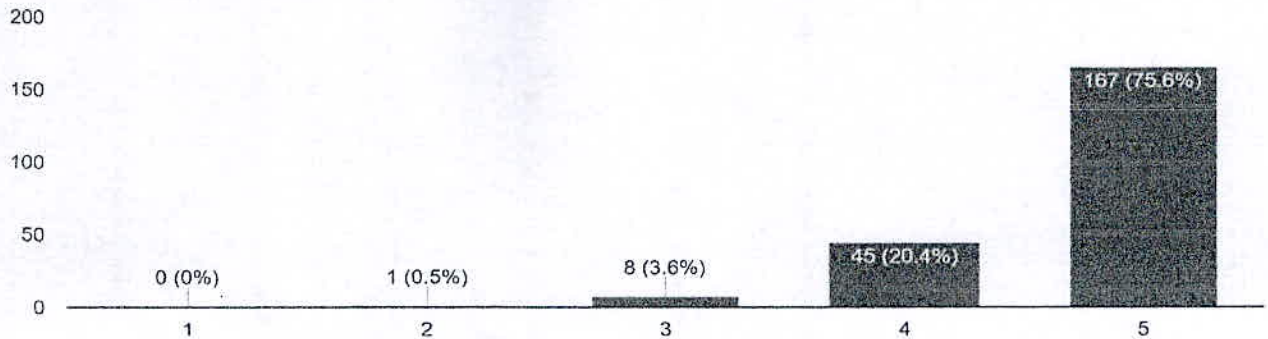
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**FEEDBACK- FIVE - DAY FACULTY DEVELOPMENT PROGRAM (VIRTUAL)**  
**ON "RECENT TRENDS IN FLUID DYNAMICS" November 17- 21, 2020**

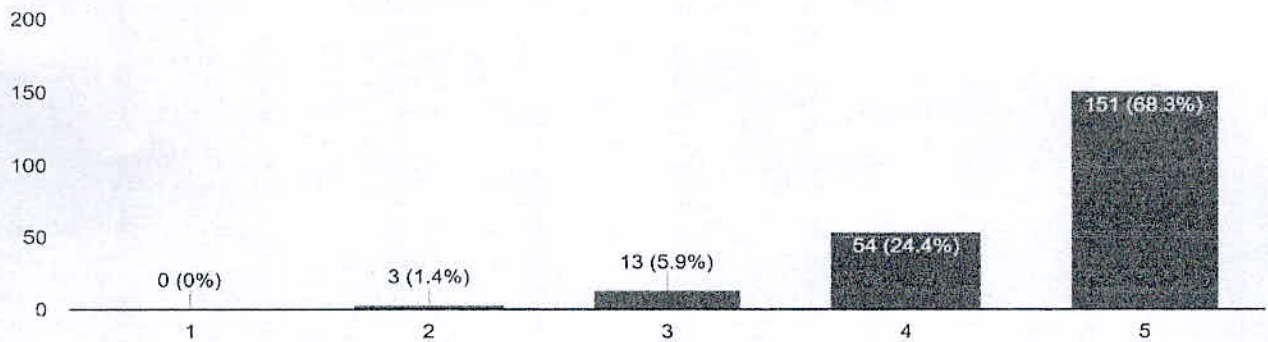
How satisfied were you with the FDP?

221 responses

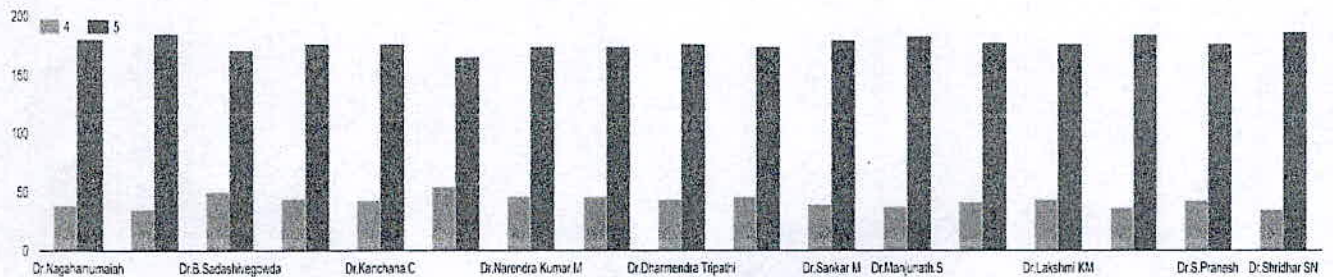


How relevant and helpful do you think FDP was for your Teaching?

221 responses



How satisfied were you with the Sessions? 4= Satisfied 5 = Very satisfied



  
 Principal  
 Sapthagiri College of Engineering  
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Report on,

### International Conference ICGCP—2021

"Global Convergence in Technology, Entrepreneurship, Computing & Value Engineering: Principles and Practices " 16<sup>th</sup> & 17<sup>th</sup> July-2021



**Inauguration Function of ICGCP-2021**

Inauguration of ICGCP-2021 was held on 16<sup>th</sup> July 2021, at 11am, in the seminar hall, Sapthagiri college of Engineering, under the guidance of the **Dr. Ramakrishna.H**, Principal / Chairman of ICGCP-2021. The ceremony was witnessed by the heads of departments of various sections, faculties and more than 300 participants who joined the event on-line. The event was inaugurated by seeking blessings of god through a prayer rendered by faculty of Information science & Engineering department. In the welcome speech **Dr. Ramakrishna.H**, Principal / Chairman of ICGCP-2021, emphasized on the relevance of organizing ICGCP-2021 in the present context and urged all the faculty, research scholars to actively participate in the event by presenting their papers and interacting with peer researchers to get maximum benefit of the conference.



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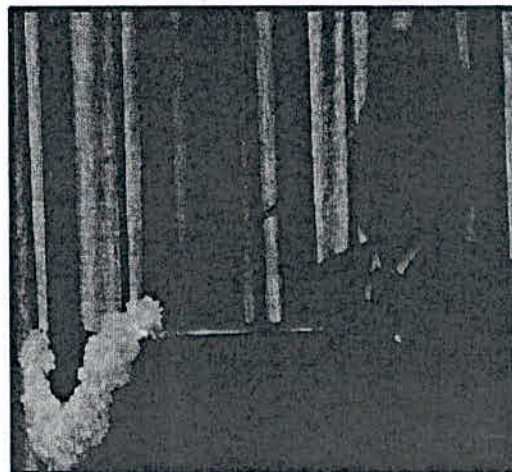
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## Department of Mechanical Engineering



**Principal, Dr.H.Ramakrishna**  
Presenting Welcome Speech



**Dr. Shripad Markande, HOD (Maths)**  
presenting overview of Conference

Dr. Shripad Markande, Head of department mathematics and Co-chairman ICGCP 2021, presented an overview of the conference and highlighted on the number of papers received from the research scholars of both inter-state and out of state. He also thanked the participants representing various premier institutions for submitting their research papers in ICGCP-2021. Also he shared his research experience and emphasized on doing research and obtaining PhD degree that will help in getting good opportunities in research institutions.



**Sri. B.R.Indushekhkar**, Head of Operations Development,  
Volvo Construction Equipment, during Key note address.



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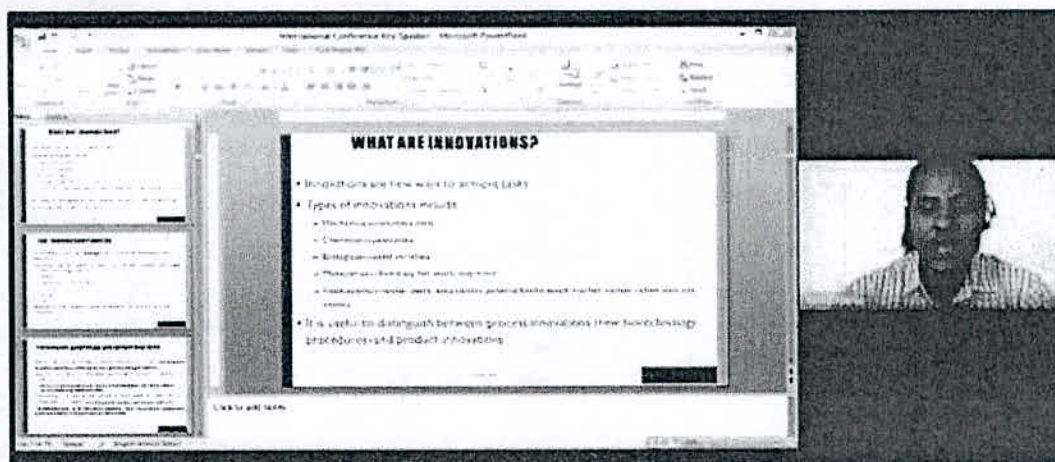
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## Department of Mechanical Engineering

Then, the first key note address was given by Sri. **B.R.Indushekhara**, Head of Operations Development, Volvo Construction Equipment, Bengaluru, who first congratulated the organizers of ICGCP-2021 for the theme selected for the conference and its relevance in the present context. The speaker then emphasized on the fact the changes in the process are needed to meet customer requirements, and said that the change or requirement is coming from the customer. Hence the speaker added that the need of hour is to embrace the technological advances to bring out the best products/ services to satisfy the customers. He also encouraged the students to take up entrepreneurship as the career, as it would help the country in generating jobs and to improve the GDP. Also the speaker highlighted on the Government and MSME Schemes available and encouraged students to make best use of the schemes. Also he insisted students to develop skills needed to become entrepreneur like, learning the tools, understand market, Customer requirements and preparation of report etc. Finally the speaker described the need of Value Engineering in various sectors to identify the wastages and to eliminate them as customer is not going to pay for the non-value added processes. Finally he wished all the participants to make the best use of platform by interaction and active involvement.



**Mr.Yared Abera Ergu**, Dean, School of Technology & Informatics, Ambo University, Ethiopia, during his key note address.



## Department of Mechanical Engineering

The second key note speaker **Mr. Yared Abera Ergu**, Dean, School of Technology & Informatics, Ambo University, Ethiopia initially spoke about the technology changes taking place and which is needed in the areas ranging from Mathematics to Space sciences and everywhere to simplify the things and to find a fast solution to problems. The speaker then emphasized on the need of Innovation to meet the various aspects of requirements of society. Then the speaker highlighted on the importance entrepreneurship and its role in creating new jobs to meet the demands of changing market. Also the speaker added about the characteristics of successful entrepreneur, like dedication, commitment and to see things beyond to solve problems. Then the speaker discussed about the type of innovations possible like, Mechanical, Chemical, Biological, and Managerial and institutional. Also the speaker discussed about new data and policies employed with reference to entrepreneurship as adopted in European countries. Then finally the speaker highlighted on the emerging areas like EMR Health, 3D Printing, Artificial Intelligence, Agriculture robots, big data analytics and IOT and insisted research scholars and students to further carry their research work in this area.

*Type of event/activity	<b>International Conference</b>
Name/Title of the Activity/Event	<b>ICGCP-2021 ( International Conference)</b>
Date of Organization	16/07/2021 & 17/07/2021
Venue (with address)	COLLEGE CAMPUS (On-Line) <b>Sapthagiri College of Engineering</b> Chikkasandra, Hesaraghatta Main Road, Bengaluru -560057
Organized by	Sapthagiri College of Engineering.
Objectives of the event/activity	<ol style="list-style-type: none"> <li>1. To provide an opportunity for students to participate in conference.</li> <li>2. To develop technical paper writing skills in students.</li> <li>3. To provide an opportunity to interact with reviewers and fellow research scholars.</li> <li>4. To encourage students develop presentation and communication skills.</li> </ol>
Participants	8 <sup>th</sup> Semester students of Mechanical Engineering participated.
Mention organized /participated/attended	Total 124 students participated with 32 papers.





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## Department of Mechanical Engineering

### Event Description:

International conference ICGCP-2021 was organized by Sapthagiri College of .engineering and around 52 papers were received Mechanical stream.

### Images: Enclosed

Mapping of POs with the activity conducted

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1				3	1		1				2

\*Type of activity: Motivational Talk

Date of Submission: 19/08/2021

Signature of the HoD

Professor & Head  
Department of Mechanical Engineering  
Sapthagiri College of Engineering  
Bengaluru - 560 057.



# Sapthagiri College Of Engineering

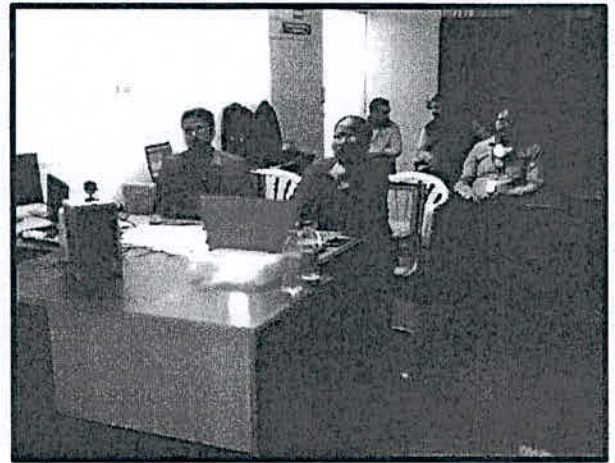
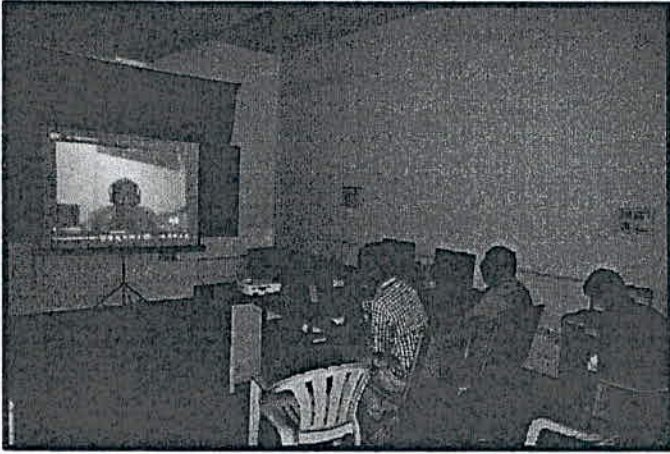
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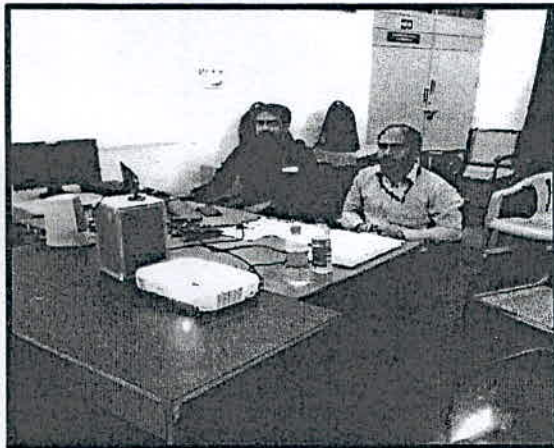
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## Department of Mechanical Engineering



### Presentations in Department





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## Department of Mechanical Engineering



Valedictory function was organized on 18<sup>th</sup> July 2021 at 11am with all the heads of departments, faculties and more than 300 participants attending on-line. Principal **Dr.Ramakrishna.H**, on this occasion thanked all the participants for presenting their research paper in ICGCP-2021, and encouraged them to further pursue research in their specialized areas. He insisted the students to publish research papers which will help them in building confidence and resume. And he also congratulated the HOD's and faculty for guiding and encouraging students to prepare and present papers. And he also urged the participants to publish their research work whenever they get opportunity.



During valedictory function **Dr.Shripad Markande**, head of department Mathematics and Co-chairman ICGCP-2021 summarized the activities of two day international conference and congratulated all the research



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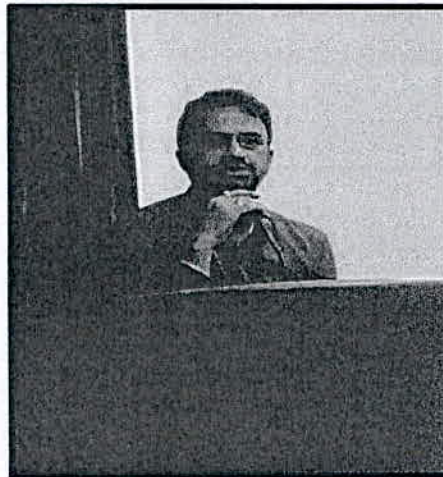
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## Department of Mechanical Engineering

scholars for their active participation. He also urged the participants to participate in ICGCP 2022 to be organized in next year and encouraged all the participants to continue their research in the emerging areas. Research scholars who presented their paper in the conference gave their feedback and expressed their happiness over the opportunity provided for gaining knowledge through interaction and key note addresses.



**Feedback from the Participant during Valedictory function**



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## Department of Mechanical Engineering

## Department of Mechanical Engineering

### Brief Report

Department	No.of Papers Received		No.of Papers Presented		Total
	External	Internal	External	Internal	
ME	17	36	17	36	53
CV	03	16	03	16	19
Physics	01	02	01	02	03
Mathematics	--	01	--	01	01
				<b>Total</b>	<b>76</b>

### I Best Paper (External)

Title of Paper	Authors	Affiliation	Remarks
Analysis of Skin-Stringer Attachment of An Aircraft Wing	GANESH PATEEL D G	BMSIT	
	Dr SURESH N		

### II Best Paper ( Students)

Title of Paper	Authors	Affiliation	Remarks
The Influence Of Gate Location In An Injection Moulded Top Module Pcb Housing	NIHAL J KASHYAP	SAPTHAGIRI COLLEGE OF ENGINEERING	
	UMA MAHESHWARI		
	HEMANTH BHAT		
	DARSHAN GOWDA N		
	ANIL KUMAR P R		
	T.VENKATE GOWDA		

Title of Paper	Authors	Affiliation	Remarks
SELF-OPERATED WATER PURIFIER (USING FRUIT PEELS)	CHIRAG P HEGDE	SAPTHAGIRI COLLEGE OF ENGINEERING	
	ABHILESH D		
	ANIL PARAMESHWAR GOUDA		
	ASHRITH R		





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## Department of Mechanical Engineering

### III Best Research Paper ( Internal Faculty)

Title of Paper	Authors	Affiliation	Remarks
WATER TREATMENT USING BIOENZYME- A REVIEW	RAMKUMAR M	SAPTHAGIRI COLLEGE OF ENGINEERING	



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## Department of Mechanical Engineering

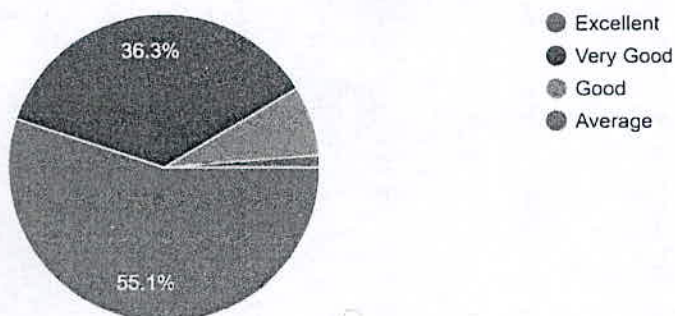
### Feedback-ICGCP-2021

Your valuable Comments / Suggestion for improvement in ICGCP 2021

477 responses

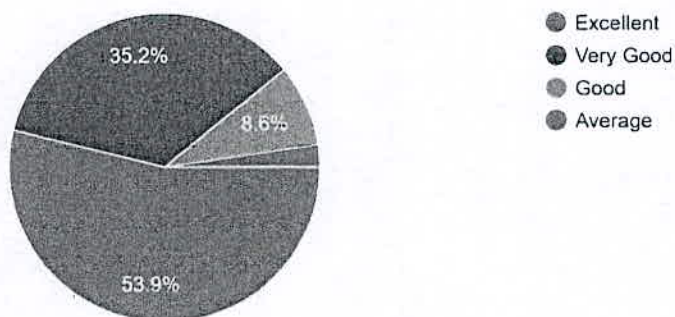
1. How do you rate the relevance of conduction of ICGCP-2021 in the present context?

477 responses



2. How do you rate the overall planning & Execution of ICGCP-2021

477 responses

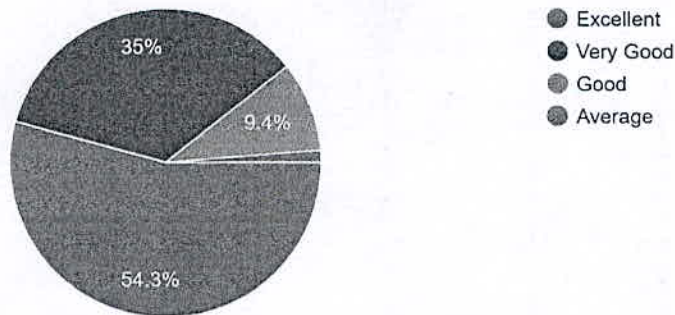




## Department of Mechanical Engineering

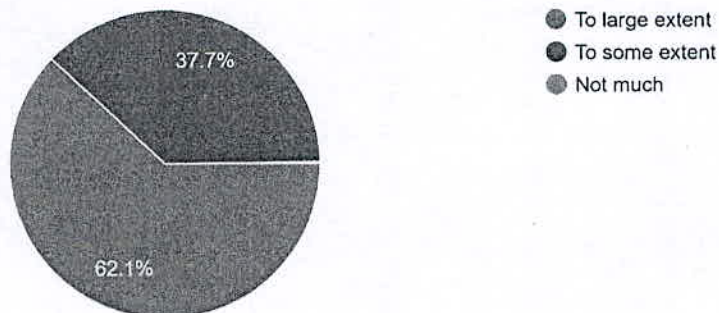
3.. How do you rate the value addition by key note speakers & Session chair to the sessions of ICGCP 2021 ?

477 responses



4.To what extent did the presentations & interactions motivate you to carryout research more effectively in future ?

477 responses

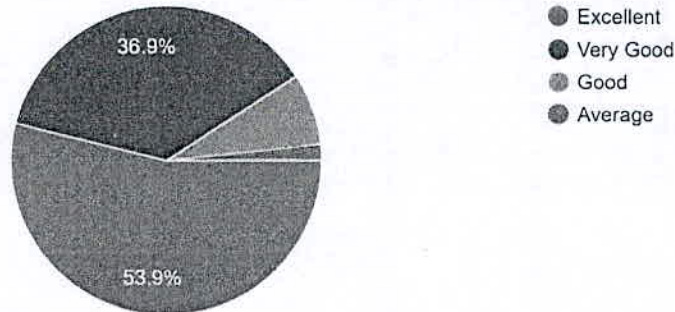




## Department of Mechanical Engineering

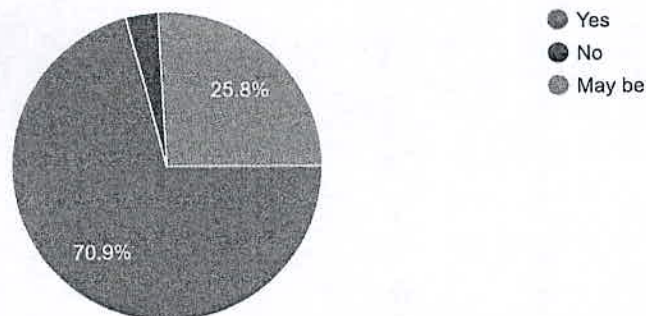
5. How do you rate your overall experience at ICGCP-2021?

477 responses



6. Do you express your willingness to participate in ICGCP-2022 at Sapthagiri College of Engineering ?

477 responses







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## Department of Mechanical Engineering

### 7. Your valuable Comments / Suggestion for improvement in ICGCP 2021

Nothing

Good

-

No

.

None

Nil

Good

NA

Na

Nothing

No comments

Great opportunity

It was good

good

NO

Good session

Excellent

Overall it was good experience

It was overall a good experience

Everything is good

.

No suggestions

Overall it was good

Nice

No

It was well organised

Good experience

No comment

Very good

Good conference

It was a good session

Excellent

-



## Department of Mechanical Engineering

No comments

Organized well

No suggestions

Well organised components

#40 iyengar layout ganapathi nagar laggere Bangalore 560058

I have no suggestions

Everything was excellent

It was well organized and very informative. It provided a great motivation.

Time management

no suggestions since it was a good and productive conference.

ICGCP-2021 was an amazing platform to present our ideas and researches.

Very beneficial

Need to be more interactive.

No further comments.

It could be still more interactive

No comment all good.

takes an active role in discussions.

It was a very good conference

There is no need for changes. The conference was pretty good.

No suggestions. It was conducted efficiently

excellent conference with well versed judges

Nothing, overall it was an excellent program.

Thank you for giving this opportunity to students .where, students can present their work.

It was very Informative.

Thank you for giving us an opportunity to present our ideas and work.

The conference was well organized and interacted, Thank you for the opportunity

It was good participating

Amazing

informative

It went really well.

Every Thing was Excellent From My Point Of View

Helpful

Impressive and good organisation

Thank you

It was really a nice experience.

It was good

Got motivation to carry out research more effectively in future

It was a good experience to learn





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## Department of Mechanical Engineering

It was a great conference, learnt a lot.

It was a good experience to participate in the ICGCP 2021 conference

It was a very well Organized Event and all the process went very smoothly. Thank you

Its more informative

Excellent experience.. motivated me and my team. Thank you

The overall experience was amazing. I got an opportunity and exposure to present my ideas and get to learn a lot as well. It would have been even better if the events and the process were informed to us in a more detailed way beforehand, as I felt that my team was less prepared.

It was interactive

Keep it up.

Publish all papers in scoopus journal

Really good conference

If we can get slightly more time to explain our project, that will be very helpful. Thank you.

Na

Very good session

Everything was great

Amazing Event and my first conference. Thank you for organizing.

The session was very good and informative. It was very inspiring. Thank you so much for giving the opportunity to attend the conference.

The conference was good.

Good sessions

The interaction time would have been more.

Thank you for your valuable conference

Well organized event

A very knowledgeable experience

Give still more platform like this

Well Organized

It was excellent

Very nice session over all..thank you.

The conference was good and the management had very co operative I want to suggest my juniors to participate in 2022





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

*Type of event/activity	Technical Talk
Name/Title of the Activity/Event	Introduction to CFD
Date of Organization	19-11-2020
Venue (with address)	Academic Block (College Campus) Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Main Road, Bengaluru -560057
Organized by	DEPARTMENT OF MECHANICAL ENGINEERING
Objectives of the event/activity	1. To introduce the basic concepts of CFD to student. 2. To expose the students with need and applications of CFD 3. To provide information on the use of CFD in fluid flow analysis. 4. To provide an opportunity to students to interact with expert on CFD..
Participants	The program was organized by the department of Mechanical Engineering and around 75 students participated in the event.
Mention organized /participated/attended	Same as above

### Event Description:

A Webinar on " Introduction to CFD was organized by the department of Mechanical Engineering on 19/11/2020. The resource person Dr Narendra Kumar M, JIT, Bengaluru introduced the fundamental concepts of Computational Fluid Dynamics to students of 5<sup>th</sup> and 7<sup>th</sup> Semester students of Mechanical Engineering Around 75 students participated in the webinar and interacted with the resource person.

### Images: Enclosed

Mapping of POs with the activity conducted

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1	1	1									3

\*Type of activity: Technical Talk

Date of Submission: 02/12/2020

Signature of the HoD  
Professor & Head

Department of Mechanical Engineering  
Sapthagiri College of Engineering  
Bengaluru - 560 057.

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

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Images from the session

**RECENT TRENDS IN FLUID DYNAMICS, Dr.M.Narendra Kumar, Introduction to CFD**

**Case Study – 2. Cont...**  
Validation of developed CFD Code

$\theta = 0^\circ$   $\theta = 90^\circ$   $\theta = 180^\circ$   $\theta = 270^\circ$

Pressure Coefficient ( $C_p$ ) vs. Angle ( $\theta$ )

Pressure Coefficient ( $C_p$ ) vs. Angle ( $\theta$ )

SAPTHAGIRI  
College of Engineering  
Creating Tomorrow

Dr. M. Narendra Kumar

FIVE-DAY FACILITY DEVELOPMENT PROGRAM (SAPTHAGIRI) FOR  
"RECENT TRENDS IN FLUID DYNAMICS"  
November 17-21, 2020  
ORGANIZED BY  
DEPARTMENT OF MECHANICAL ENGINEERING  
DEPARTMENT OF MATHEMATICS  
DEPARTMENT OF CIVIL ENGINEERING  
IN ASSOCIATION WITH  
CMTI, BENGALURU

45:24 / 54:39

Sapthagiri College of Engineering  
13/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 057

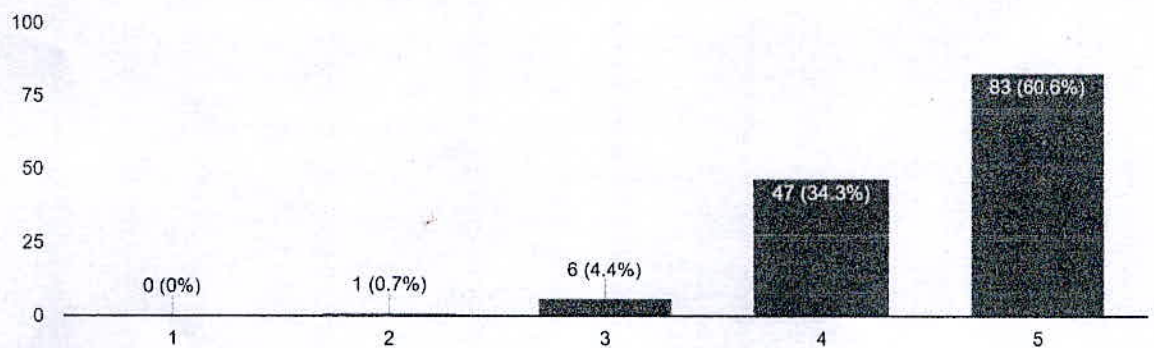
144



## Feedback Received: 67

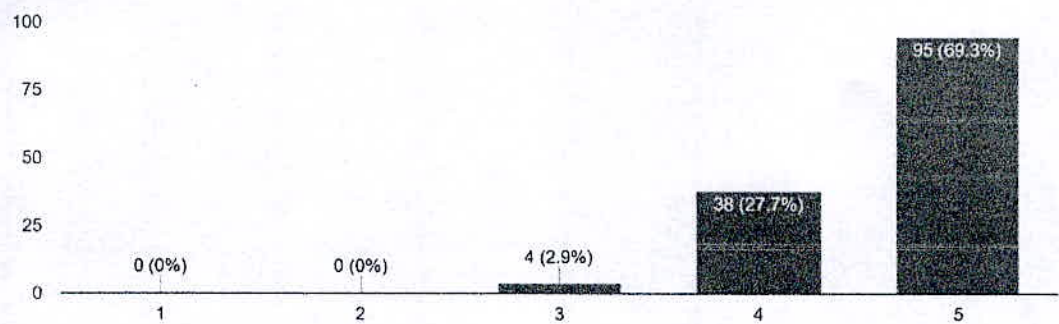
How satisfied were you with the overall content of the webinar

137 responses



How well was the webinar structured?

137 responses



  
Principal  
Sapthagiri College of Engineering  
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Phone: 080-28 372800/1/2 Fax: 080-28 372797

*Type of event/activity	Technical Talk
Name/Title of the Activity/Event	Applications of CFD in Automotive Design
Date of Organization	21-11-2020
Venue (with address)	Academic Block (College Campus) Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Main Road, Bengaluru -560057
Organized by	DEPARTMENT OF MECHANICAL ENGINEERING
Objectives of the event/activity	<ol style="list-style-type: none"><li>1. To introduce the various applications of CFD to student.</li><li>2. To expose the students with role of CFD in Automotive Design.</li><li>3. To provide information on the use CFD softwares in Automotive design and analysis.</li><li>4. To provide an opportunity to students to interact with expert on CFD..</li></ol>
Participants	The program was organized by the department of Mechanical Engineering and around 31 students participated in the event.
Mention organized /participated/attended	Same as above

### Event Description:

A Technical talk on "Applications of CFD in Automotive Design" was organized by the department of Mechanical Engineering on 21/11/2020. The resource person Dr Sridhar S N, Amity University, Gurugram explained on applications of CFD in Automotive sector and discussed about the use of softwares in Automotive design with students of 5<sup>th</sup> and 7<sup>th</sup> Semester students of Mechanical Engineering. Around 31 students participated in the webinar and interacted with the resource person.


### Images: Enclosed

Mapping of POs with the activity conducted

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1	1	1		1							3

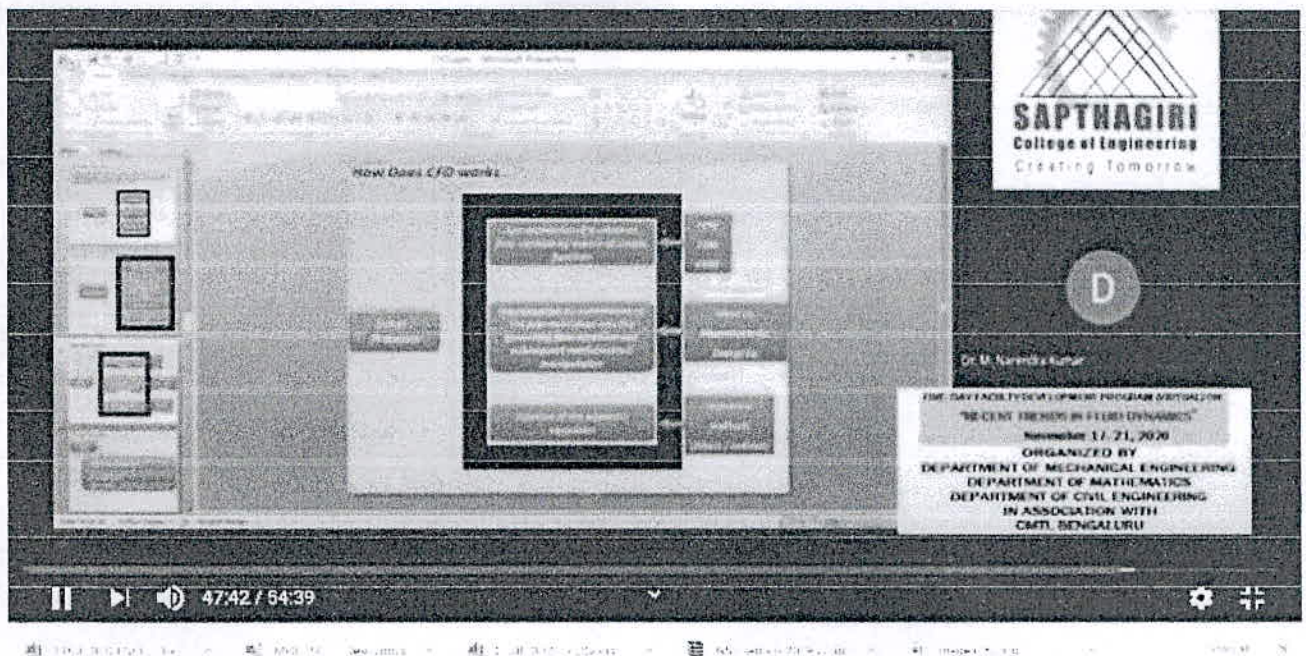
\*Type of activity: Technical Talk

Date of Submission: 02/12/2020

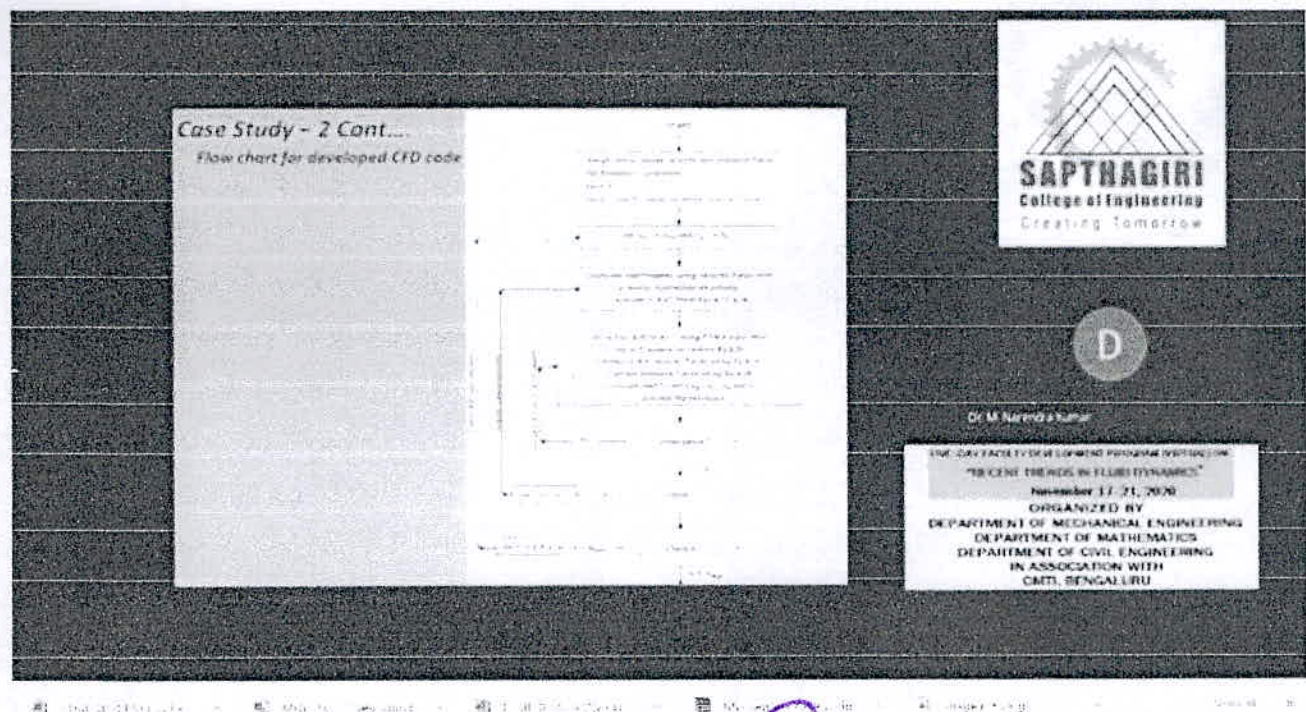
  
Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 057

  
Signature of the HoD  
Professor & Head  
Department of Mechanical Engineering  
Sapthagiri College of Engineering  
Bengaluru - 560 057. 148





### Images from the session



*(Signature)*  
Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hasaraghatta Main Road,  
Bengaluru - 560 057





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

*Type of event/activity	Technical Talk
Name/Title of the Activity/Event	General Aspects of CFD
Date of Organization	19-11-2020 2, 2 to 3.30 PM
Venue (with address)	Academic Block (College Campus) Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Main Road, Bengaluru -560057
Organized by	DEPARTMENT OF MECHANICAL ENGINEERING
Objectives of the event/activity	1. To introduce the basic concepts of CFD to student. 2. To expose the students with need and applications of CFD 3. To provide information on the use of CFD in fluid flow analysis. 4. To provide an opportunity to students to interact with expert on CFD..
Participants	The program was organized by the department of Mechanical Engineering and around 47 students participated in the event.
Mention organized /participated/attended	Same as above

### Event Description:

A Webinar on " General Aspects of CFD" was organized by the department of Mechanical Engineering on 19/11/2020. The resource person Dr Ramanarasimha K, Principal, KSSEM, Bengaluru Bengaluru introduced basic concepts of Fluid Mechanics and then explained the need, application and concepts related to CFD to students of 5<sup>th</sup> and 7<sup>th</sup> Semester students of Mechanical Engineering Around 47 students participated in the webinar and interacted with the resource person.

### Images: Enclosed

Mapping of POs with the activity conducted

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1	1	1									3

\*Type of activity: Technical Talk

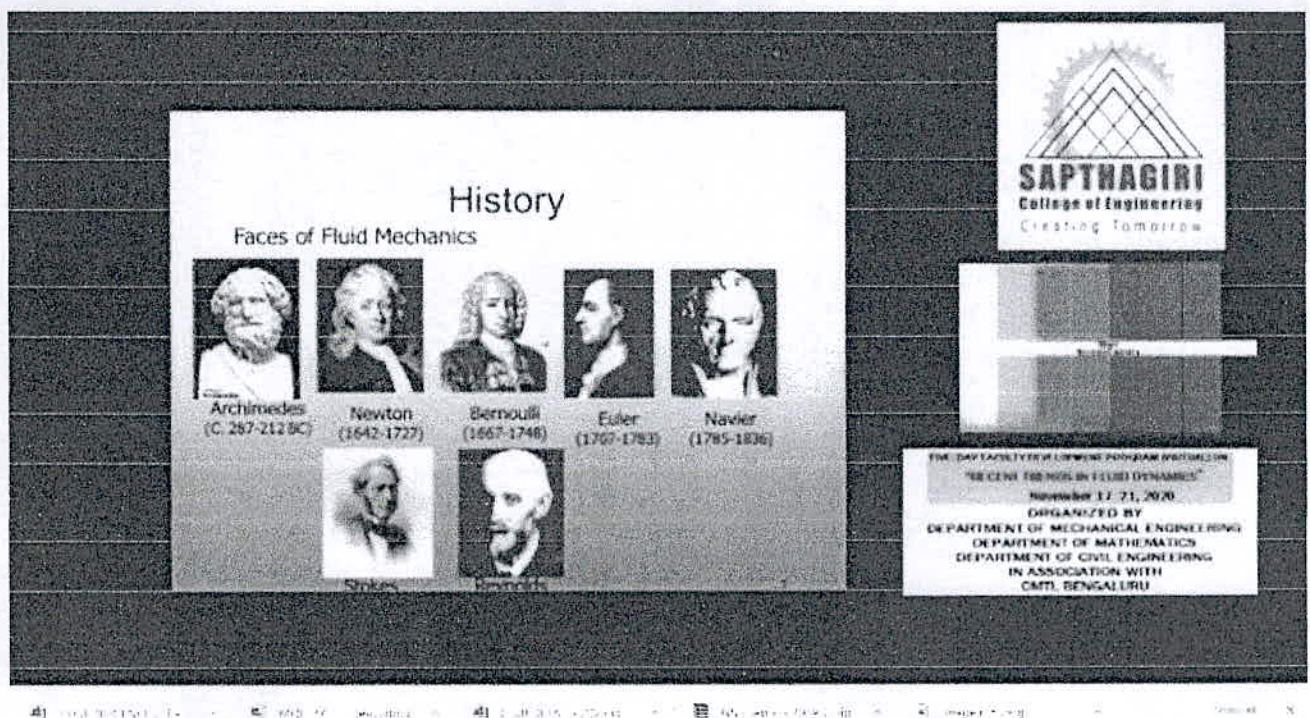
Date of Submission: 02/12/2020

  
Principal  
Sapthagiri College of Engineering  
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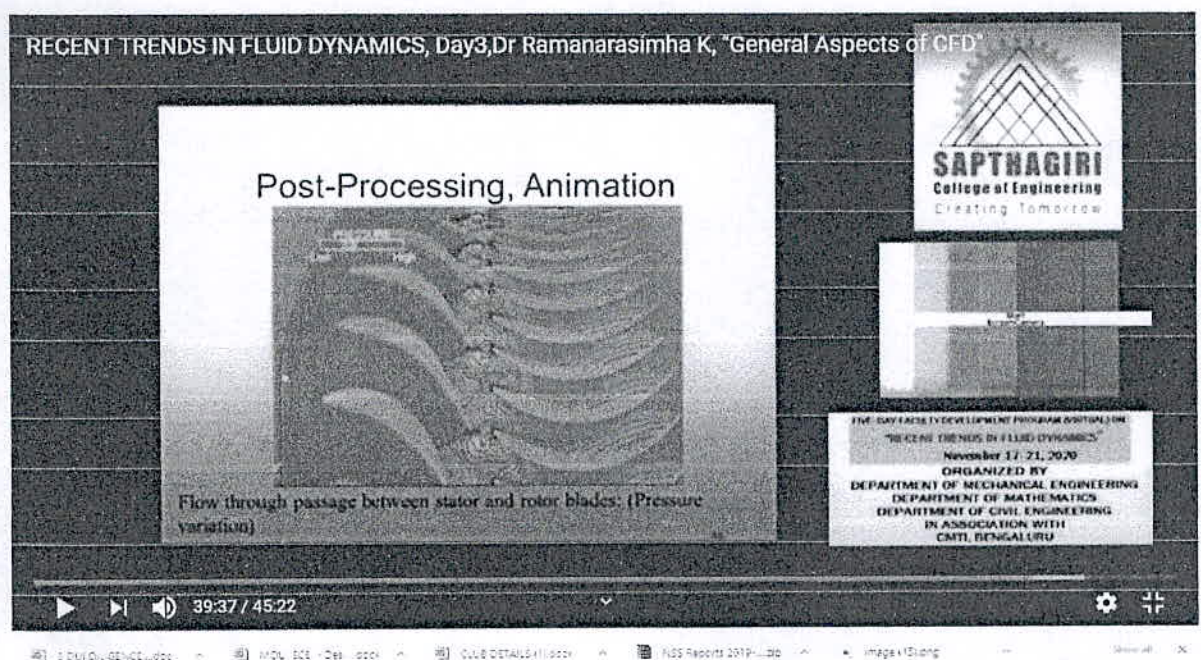
  
Signature of the HoD  
Professor & Head  
Department of Mechanical Engineering  
Sapthagiri College of Engineering  
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146





**Images from the session**



  
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**SAPTHAGIRI COLLEGE OF ENGINEERING  
BENGALURU-560057**

(Accredited by NAAC with "A" grade)  
(An ISO 9001:2015 & ISO 14001:2015 Certified Institution)  
(Affiliated to VTU, Belagavi and approved by AICTE, New Delhi)  
**DEPARTMENT OF MECHANICAL ENGINEERING**

*Type of event/activity	<b>Mile's Day 2021</b>
Name/Title of the Activity/Event	<b>Tech-Talk Series</b>
Date of Organization	24/04/2021
Venue (with address)	SAPTHAGIRI COLLEGE OF ENGINEERING
Organized by	Department of Mechanical Engineering in association with Indian Value Engineering Society
Objectives of the event/activity	<ol style="list-style-type: none"> <li>1. To Expose the Students to basic concepts of Value Engineering.</li> <li>2. To provide information on deriving value from technology to build successful career.</li> <li>3. To make students understand role of value engineering in design and develop solutions to industrial problems.</li> <li>4. To create an awareness on educational outcomes and significance of value engineering</li> <li>5. To apply functional thinking in daily life activities.</li> </ol>
Participants (Please attach list of participants, if it is organized/conducted in the dept.))	108
Mention organized /participated/attended	108 Participants attended the event.

**Event Description:**

A TECH-TALK series was organized by Value Engineering Forum, Department of Mechanical Engineering in association with Indian Value Engineering Society, on the occasion of "Mile's Day 2021" on 24/04/2021 at 11 am. Principal, Dr. H. Ramakrishna, inaugurated the event with a welcome note inviting the chief guests and the invited speakers and also council members of Indian Value Engineering Society south zone. Heads of department of all sections, faculties and students attended the event. Chief Guests



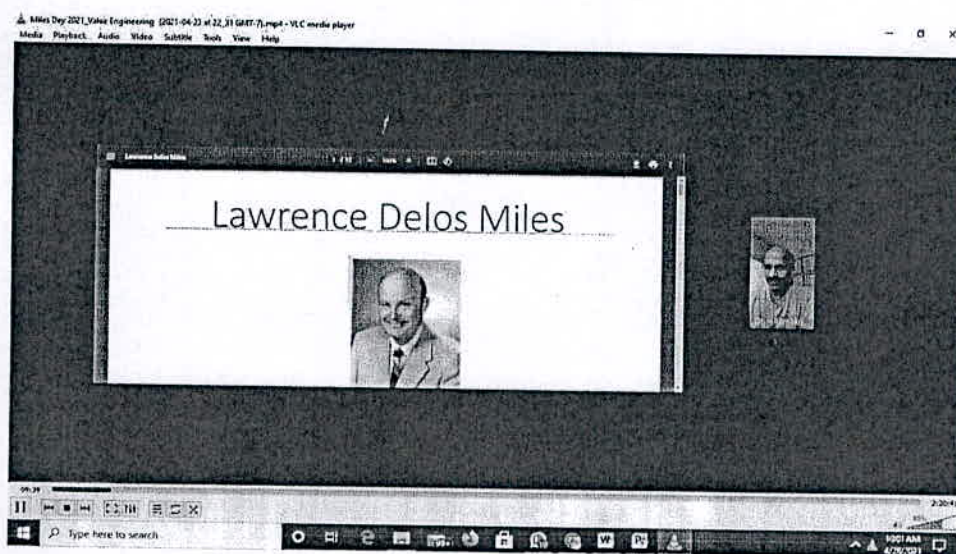
and eminent speakers presented on various topics related to value engineering and interacted with the participants.

### Images: Enclosed

Mapping the outcome of event with PO's (with 3/2/1):

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
3				1	2	2	2				2

**\*Type of activity: Tech-talk series**



**Dr.H.Ramakrishna, Presenting Welcome Note**

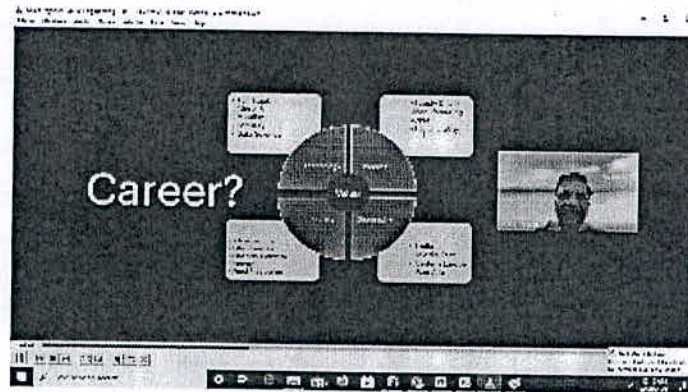


**Mr. Amit Kumar, highlighting activities of Indian Value Engg. Society**

Mr.Amit Kumar, Chairman of Indian value Engg. Society south zone branch in his talk highlighted on the activities of Indian Value Engineering Society and clarified that, Value Engineering is not about cost and not only for Engineers, but for every practicing professional.



He invited more professionals to become Certified Value Engineers and he offered support in getting certification from south zone. He also expressed his concern on available funds and urged professionals to utilize funds to promote value Engineering. Also he insisted all the students and professionals to take pledge on the occasion to promote Value Engineering and urged to become Certified Value Engineers.

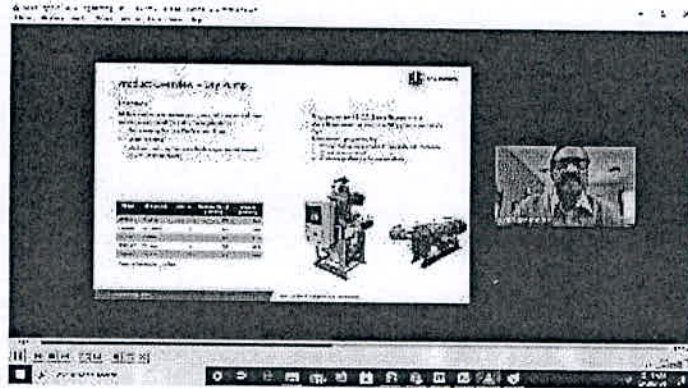


**Mr. Ashok Gopinath, Managing Director, Technology Solution Architecture, Accenture**

Mr. Ashok Gopinath, in his talk highlighted on the change that has taken place over the last 20 months, economic crisis and unrest prevailing over the entire world also the climatic changes and increased investments on pollution control and alternate sources of energy. He insisted that the need of the hour is to develop leaders who become masters of change and can understand the rapid change being taking place and take decisions driven by the facts. In his presentation he proposed five drivers of change. 1. **Stack strategically**-Architecting a better future: He spoke on bringing out strategic plans rapidly, and gave the classical example of how rapidly leading health sectors across the globe were able to come up with vaccines for the prevailing infections and appreciated their efforts in utilizing the data effectively to conduct research and develop vaccines. 2. The second driver of change the speaker spoke was about **Mirrored World** and emphasized on the power of intelligent digital twins. He urged the professional to develop digital copy of the process on their computers and simulate to bring the rapid changes. He gave the classic example of automation of Petroleum industries and how well the logistics, supply chain management is executed to balance supply and demand. 3. Third driver of change speaker highlighted was **I Technologist** – Democratization of technology and insisted on the need of all professionals become technologists to drive the change. 4. Fourth driver of change proposed by the speaker was “**anywhere- everywhere**” to take the advantage



of IOT, Cloud and data analytics to enable the change. 5. The fifth driver of change proposed was “from me to me” and urged for adopting multiparty system’s path through chaos and to build own path for success. Then he spoke about building career by deriving values from technology and how it affects career. Finally he urged students to become creators of job and start their own ventures instead of seeking jobs. Also he emphasized on students to shape their career from the first year of their degree course and develop leadership qualities.

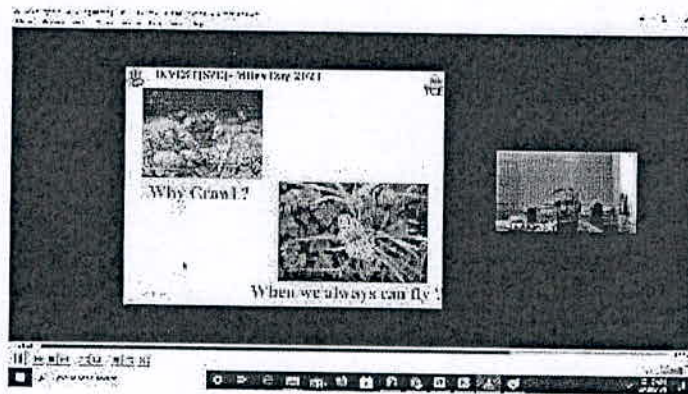


**Mr. Sridhar Balakrishna**, Director and Chief Executive Officer, HHV Pumps, Pvt. Ltd.

Mr. Sridhar Balakrishna presented his talk on the theme Value Engineering in Design and Solutions in Pharmaceutical Industries. In the beginning the speaker introduced about the profile of company and explained how effectively within 09 months they were able to ramp up production and become leaders in Vacuum related industries by implementing innovative methods and effective team work. The speaker presented in detail on the usage value Engineering concepts in product design and development, Seamless material flow including implementation of Heijunka Techniques for assembly. Also the speaker highlighted on implementing process engineering including combination techniques and fixtures for reducing cycle time. Also he highlighted on the development of critical sub vendors and Application Engineering. Then the speaker gave an overview on the product Dry pump and its features, and explained how they added a unique feature- indirect cooling, as in many cases the water quality was bad and led to deposition of sediments. Also the design was modified to have a wide range of working temperatures and to accommodate different type of fluids. Also he made an important observation about the pump in which suddenly huge amount of vapor load is coming in to the pump and getting clogged, to overcome this pressure relief valve was fitted to ensure that no deposition took place. He also stressed that, Pump by itself is a piece of Mechanical

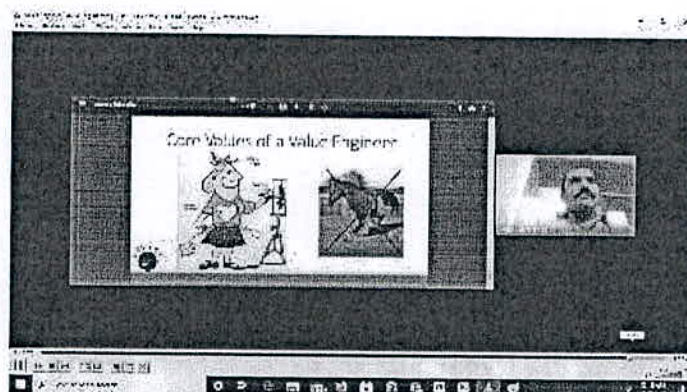


device, to make it intelligent we developed fully automated system with PLC & human machine interface and also tailor made to the requirement of customer. Finally he concluded the talk with important message to young engineers coming out that whatever you choose as career, you need to enjoy it, Opportunities are tremendous and you dare to be different.



**Dr. Palaninatha Raja Prof & Head Mechatronics and Dean Thiagarajar College of Engineering**

Dr. Palaninatha Raja presented his talk on the theme Educational Outcome & Significance of Value Engg. The speaker started the session with introductory concepts on Outcome based education and its needs and also he presented the Outcomes of Value Engineering course offered in their institution and how the students are benefitted from the same. He then talked elaborately on the Program outcomes and how a student can attain the program outcomes. Then he elaborated on seven phases of Value Engineering, namely, General phase, Information phase, Function phase, Creativity phase, Evaluation phase, Investigation phase and Recommendation phase. Also he displayed few projects / products developed by the students with low cost and explained the benefit to students in terms of pride and how much they enjoyed.

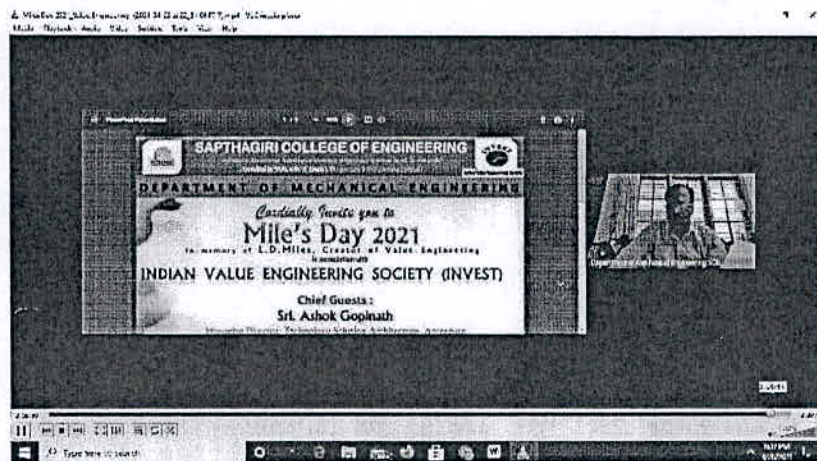


**Mr. Arockiam Daniel Executive Member, Value Engg. Society, South Zone**

*[Signature]*  
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Mr. Arockiam Daniel in his presentation remembered the contributions of Mr. L.D.Miles who created the value engineering concepts and appreciated the way in which lot of opportunities was created in adversity and how to create alternate ways of functionality. Then he elaborated on how functional thinking can be employed in our daily life. In his presentation the speaker spoke about the functional requirements of various objects used in daily life, for example food has to satisfy five senses of human being. Also he stressed on the need of education to develop trust in each other during the crisis. He also stressed on the basic function of transportation is to eliminate the obstacle for easy movements and to have an efficient supply chain management. He also elaborated on the function of discussion is to share knowledge and trigger thinking. He added by saying the function of togetherness is to share feeling of each other. Also he elaborated on the functional thinking with many other examples like use of waist belt and difficulty faced during onion cutting and emphasized on designing a covering system with a function to exclude vapors coming while cutting onion . He also stressed everyone on adopting functional thinking in daily life.



Dr.P.Mahadevaswamy, Prof. & Head Department of ME

The event was concluded with vote of thanks by Dr. P Mahadevaswamy, who expressed his sincere thanks to the Management SCE, Guests, Speakers, Council members of Indian Value Engg society, Sothern Region and all the students, faculty and participants from industry for making the event successful.

**Event Co-ordinator**

Date of Submission: 03/05/2021

**Signature of the HOD**

Professor & Head

Department of Mechanical Engineering  
Sapthagiri College of Engineering  
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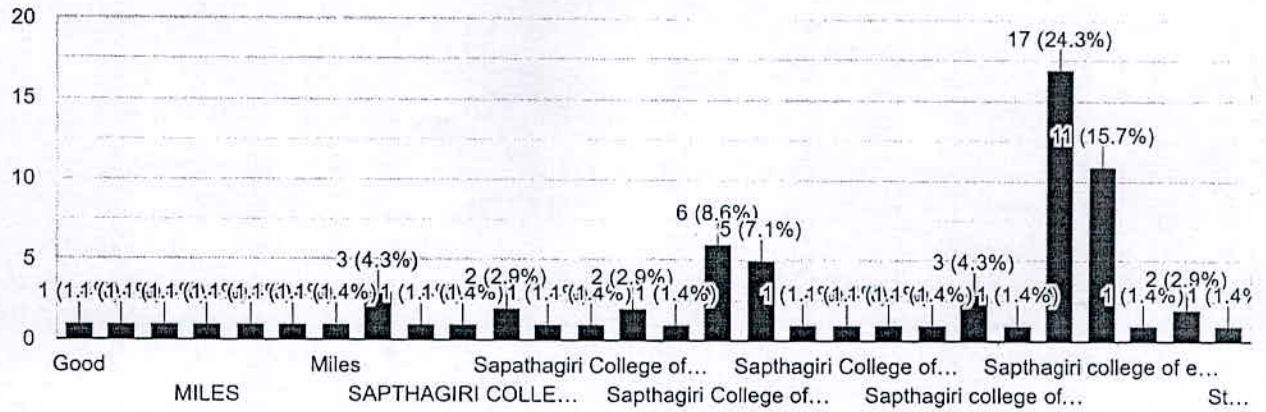
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# MILE'S Day 2021, SCE, Feedback

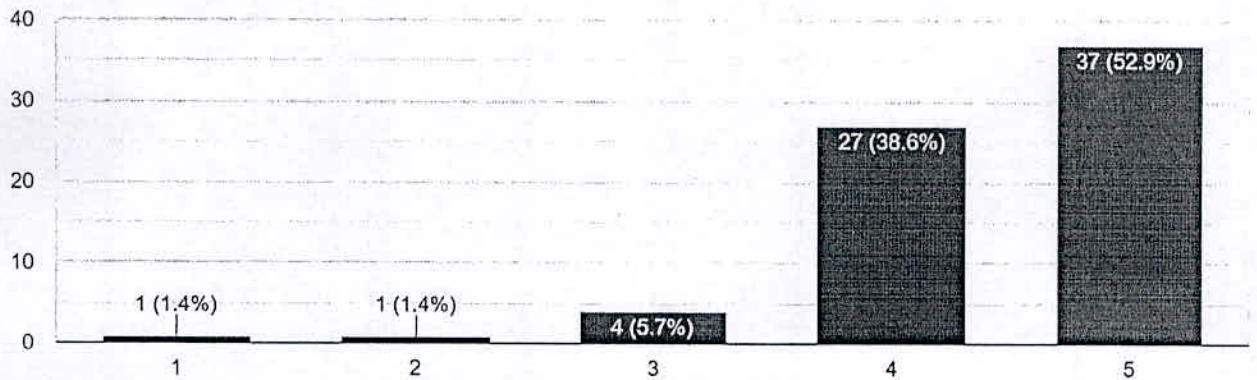
## Organization

70 responses



## Clarification obtained on Basic concepts of value engineering

70 responses

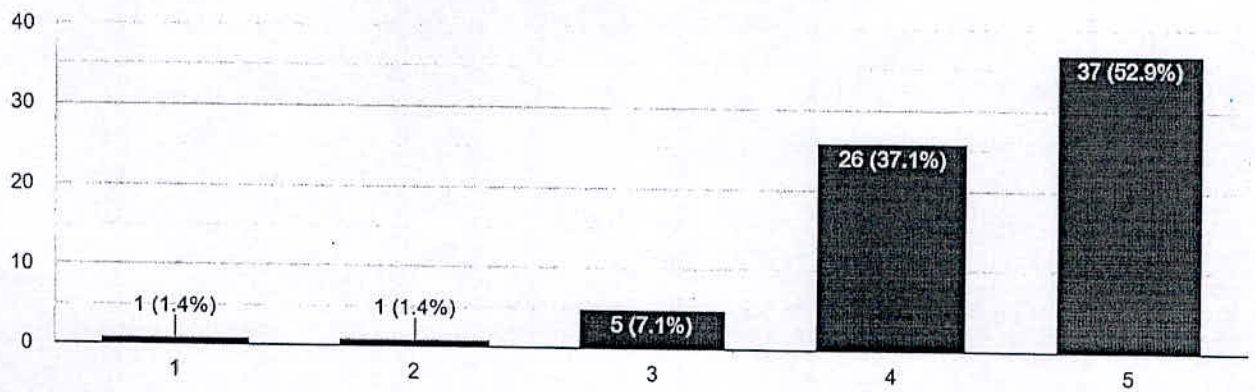


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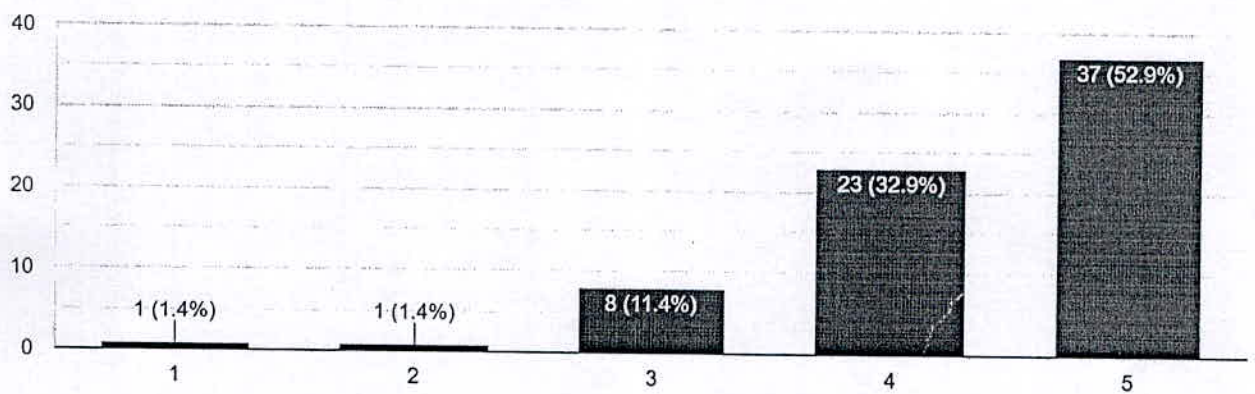
Extent to which Value engineering relates to different applications in engineering.

70 responses



Extent to which you have understanding on role of Value engineering in design and its significance.

70 responses

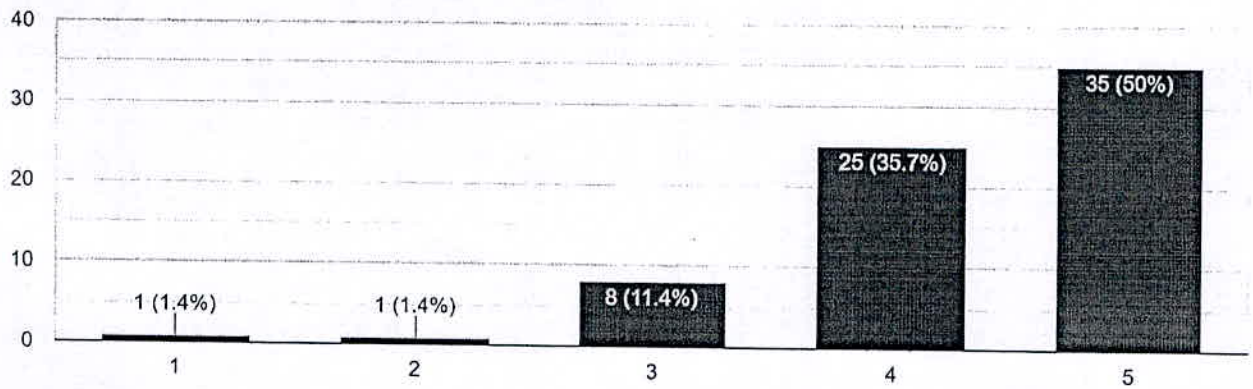


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To what extent Functional Thinking in daily life can be applied.

70 responses



Other Comments 70 responses

No  
 No comments  
 Nothing  
 Good  
 No comments  
 Nothing  
 A very informative and motivating webinar  
 Soeakers explained well  
 No comments.  
 The talk was good...!!  
 Thank you..  
 Nice  
 Thank you for the wonderful session  
 Ni  
 Happy to attend an informative session  
 Super  
 Looking towards further meet  
 Tq  
 S  
 Nil  
 ..  
 No comments..  
 .  
 The seminar was really knowledgeable.  
 -  
 No.  
 It was a nice session

  
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None

No

—

The session was informative

It was a wonderful session. I look forward for more Events like this.  
session was good and got valuable information.

Good job

Best


Sessions were very good

NO

To bild the confidence

Value Engineering

Thank you

  
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Attendance of Miles Day 2021 Event				
	Participants	Joined	Left	Duration
1	Phaneesh Kr	10/21/2020 14:51	10/21/2020 15:52	1:00:42
2	Ram Kumar .M	10/21/2020 14:51	10/21/2020 15:52	1:00:42
3	Shiva Murali Mohan reddy	10/21/2020 14:51	10/21/2020 15:52	1:00:42
4	A.M. Mahesha	10/21/2020 14:51	10/21/2020 15:52	1:00:42
5	1SG19ME039_ Prateek p	10/21/2020 14:51	10/21/2020 15:52	1:00:42
6	Basavaraju S	10/21/2020 14:51	10/21/2020 15:52	1:00:42
7	Tulsidas D	10/21/2020 14:52	10/21/2020 15:52	1:00:21
8	praveen singh	10/21/2020 14:52	10/21/2020 15:52	1:00:21
9	1SG17ME083 SRIKANTH.S	10/21/2020 14:52	10/21/2020 15:52	0:59:58
10	Amar Singh	10/21/2020 14:52	10/21/2020 14:53	0:00:36
11	Gagana Kusuma 1sg18me416	10/21/2020 14:53	10/21/2020 15:42	0:49:17
12	Department of Mechanical Engineering SCE	10/21/2020 14:55	10/21/2020 15:52	0:57:16
13	rg Deshpande	10/21/2020 14:55	10/21/2020 15:44	0:49:20
14	Sadhu Nilugal	10/21/2020 14:55	10/21/2020 15:10	0:15:41
15	1SG18ME049 MANJESH K	10/21/2020 14:56	10/21/2020 15:52	0:56:15
16	Anil Kumar R	10/21/2020 14:56	10/21/2020 15:31	0:35:44
17	1SG17ME099 Vishal Venkatesh bhandari	10/21/2020 14:56	10/21/2020 15:48	0:51:57
18	1SG19ME407_ GOUTHAM K	10/21/2020 14:56	10/21/2020 15:52	0:55:54
19	1SG17ME056 PRAJWAL BHARADWAJ A	10/21/2020 14:56	10/21/2020 15:52	0:55:54
20	1SG17ME071 Roshan A P	10/21/2020 14:56	10/21/2020 15:52	0:55:54
21	Sudhakar M	10/21/2020 14:56	10/21/2020 15:52	0:55:34
22	1SG17ME042 Maruthi AS	10/21/2020 14:57	10/21/2020 15:44	0:46:39
23	Padmanabha G	10/21/2020 14:58	10/21/2020 15:52	0:53:53
24	Ramesh N G	10/21/2020 14:58	10/21/2020 15:16	0:17:55
25	1sg18me071 SACHIN KT sachi	10/21/2020 14:58	10/21/2020 15:19	0:20:28
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27	Rakshith R 068	10/21/2020 14:59	10/21/2020 15:52	0:52:51
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29	1SG18ME053 Manoj.N	10/21/2020 14:59	10/21/2020 15:52	0:52:31
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36	1SG18ME054 SHAHID M	10/21/2020 15:00	10/21/2020 15:51	0:50:41
37	1SG18ME072 SANATH S T	10/21/2020 15:00	10/21/2020 15:22	0:22:25



38	1SG17ME093 TINTU TITUS	10/21/2020 15:00	10/21/2020 15:52	0:51:51
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86	1SG17ME060 Pranav vishwamitra	10/21/2020 15:18	10/21/2020 15:50	0:32:29
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94	Nikith D	10/21/2020 15:19	10/21/2020 15:52	0:32:49
95	Abhilash C.P	10/21/2020 15:19	10/21/2020 15:24	0:04:52
96	satishkumar yd	10/21/2020 15:19	10/21/2020 15:52	0:32:46
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104	Ajith_ 1SG19ME003	10/21/2020 15:24	10/21/2020 15:52	0:27:31
105	Pramod Sv	10/21/2020 15:46	10/21/2020 15:52	0:05:55
106	Nataraj H N	10/21/2020 15:46	10/21/2020 15:52	0:05:54
107	Manoj M	10/21/2020 15:46	10/21/2020 15:52	0:05:52
108	1SG18ME086sushil kumar Sah	10/21/2020 15:46	10/21/2020 15:49	0:02:21

  
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**DEPARTMENT OF MECHANICAL ENGINEERING**

*Type of event/activity	<b>Webinar - Fundamentals of Vacuum Pumps and their applications.</b>
Name/Title of the Activity/Event	<b>Webinar in association with HHV Pumps ( P) Ltd.</b>
Date of Organization	<b>30/04/2021</b>
Venue (with address)	SAPTHAGIRI COLLEGE OF ENGINEERING
Organized by	Department of Mechanical Engineering in association with HHV Pumps (P) Ltd.
Objectives of the event/activity	<ul style="list-style-type: none"> <li>➤ To Expose the Students to basics of Vacuum and its applications</li> <li>➤ To provide information on the Construction &amp; working principle of Vacuum Pumps.</li> <li>➤ To make students understand the applications of Vacuum Pumps in industry.</li> <li>➤ To make the students understand on how to modify design of Vacuum pumps to overcome problems faced by customers.</li> <li>➤ To emphasize on the customization of products and achieving customer satisfaction.</li> </ul>
Participants (Please attach list of participants, if it is organized/conducted in the dept.)	58
Mention organized /participated/attended	58 Participants attended the event.

**Event Description:**

A webinar on Fundamentals of Vacuum Pumps and their applications was organized by department of Mechanical Engineering in association with HHV Pumps ( P) Ltd. on 30/05/2021 at 11 am. Students of 6<sup>th</sup> Semester Mechanical Engineering and faculties of department of Mechanical Engineering attended the webinar.

**Images: Enclosed**

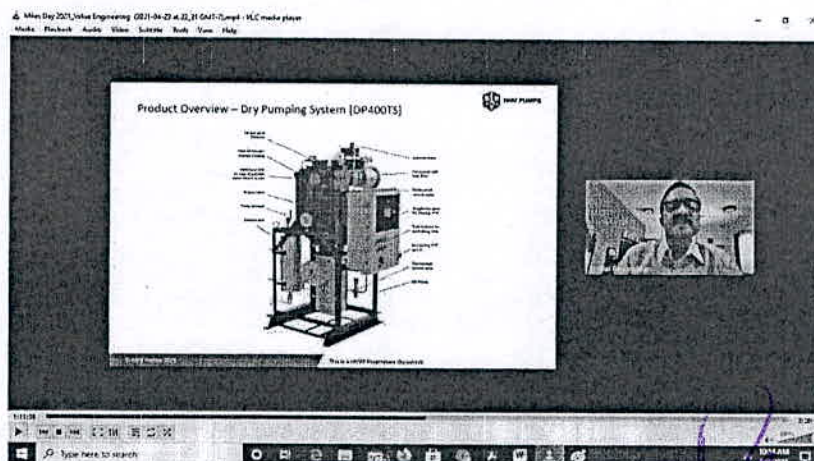
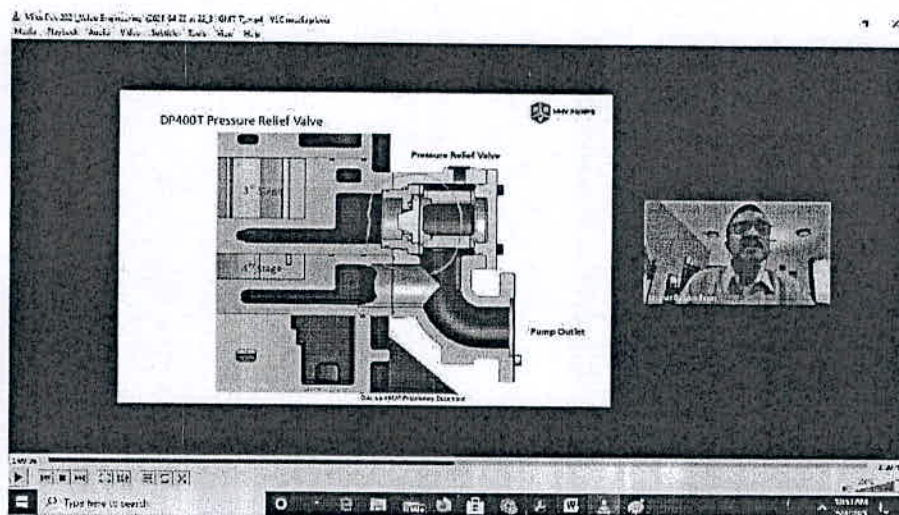
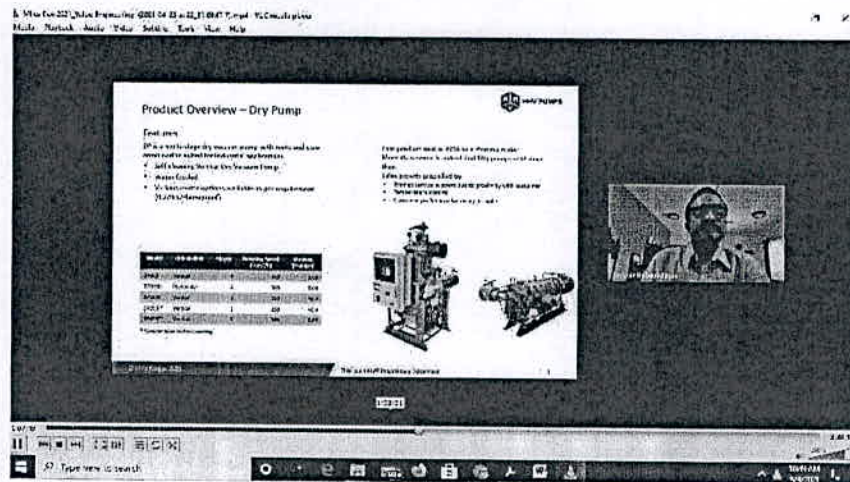
Mapping the outcome of event with PO's (with 3/2/1):

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
3				1	2	2	2				3



\*Type of activity: Webinar

Images of Webinar in Progress.





Attendance			
1	praveen singh		30/05/2021
2	SRIKANTH.S	1SG17ME083	30/05/2022
3	Amar Singh		30/05/2023
4	Gagana Kusuma	1sg18me416	30/05/2024
5	Department of Mechanical Engineering SCE		30/05/2025
6	rg deshpane		30/05/2026
7	Sadhu Nilugal		30/05/2027
8	MANJESH K	1SG18ME049	30/05/2028
9	Anil Kumar R		30/05/2029
10	Vishal Venkatesh bhandari	1SG17ME099	30/05/2030
11	GOUTHAM K	1SG19ME407	30/05/2031
12	PRAJWAL BHARADWAJ A	1SG17ME056	30/05/2032
13	Roshan A P	1SG17ME071	30/05/2033
14	Sudhakar M		30/05/2034
15	Maruthi AS	1SG17ME042	30/05/2035
16	Padmanabha G		30/05/2036
17	Ramesh N G		30/05/2037
18	SACHIN KT sachi	1sg18me071	30/05/2038
19	_Nrupada Ramesh	1SG19ME036	30/05/2039
20	Rakshith R 068		30/05/2040
21	TilakJadhav	1SG18ME436	30/05/2041
22	Manoj.N	1SG18ME053	30/05/2042
23	Tejas JS	1SG19ME428	30/05/2043
24	Sagar B	1SG17ME074	30/05/2044
25	SANKETH	1SG17ME076	30/05/2045
26	Bharath M	1SG18ME405	30/05/2046
27	Shabeer Shabeer		30/05/2047
28	Rohit M 1sg16me081		30/05/2048
29	SHAHID M	1SG18ME054	30/05/2049
30	SANATH S T	1SG18ME072	30/05/2050
31	TINTU TITUS	1SG17ME093	30/05/2051
32	Jaya Kumar	1SG19ME410	30/05/2052
33	AMARSINGH	1SG18ME008	30/05/2053
34	Sandesh R	1SG18ME074	30/05/2054
35	Moneeth kumar B	1SG19ME413	30/05/2055
36	Rohit Savadatti	1SG18ME070	30/05/2056
37	AMIT A PATIL	1SG18ME009	30/05/2057
38	Manoj Kumar K N	1SG18ME051	30/05/2058
39	SUPREETH KUMAR K	1SG18ME084	30/05/2059
40	Nishanth K		30/05/2060
41	Deekshith Gowda B M	1SG18ME022	30/05/2061



42	SANTHOSH S	1SG19ME050	30/05/2062
43	Likhith.R	1SG18ME046	30/05/2063
44	Shashank Shashi	1SG18ME433	30/05/2064
45	Raghav Ramesh	1SG19ME040	30/05/2065
46	Sanjay.L	1SG19ME426	30/05/2066
47	Arun Kumar R	1SG18ME010	30/05/2067
48	Dhanush Dhanu		30/05/2068
49	PRASHANTH B S	1SG18ME061	30/05/2069
50	Vinayak Harlapur	1SG18ME091	30/05/2070
51	Parthesh S	1SG16ME062	30/05/2071
52	Chethan V	1SG19ME404	30/05/2072
53	CHETHAN S	1SG18ME021	30/05/2073
54	NAGESHA V R	1SG19ME414	30/05/2074
55	Chirag Hegde		30/05/2075
56	Dhanush S	1SG17ME021	30/05/2076
57	Prajwal SP	1SG19ME419	30/05/2077
58	Sachin kg	1sg17me103	30/05/2078

**Event Co-ordinator**

Date of Submission: 03/05/2021

  
**Signature of the HOD**

Professor & Head  
Department of Mechanical Engineering  
Sapthagiri College of Engineering  
Bengaluru - 560 057.

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