



# **PRESIDENCY UNIVERSITY**

(Private University Estd. in Karnataka State by Act No.41 of 2013)

## **Alumni Technical Talk by Mr. Shreyas M**

The Alumni Association of Presidency University, Bengaluru, Mechanical Engineering Department organized the "VIRTUAL ALUMNI talk 2022", a programme to facilitate, consolidate and coordinate Alumni activities at Presidency University on 23<sup>rd</sup> April 2022. The Virtual Alumni talk started with a welcome address by the Alumni coordinator Mr. Aravinda T, Asst. Professor. The meeting was attended by the Head of the Department Dr. Satish Babu B. He thanked all the students for responding to the invitation from the Department and being present for the technical talk. He then proceeded with presenting the Department report highlighting the various milestones reached in the past years. Some notable points were:

- He informed about all the achievements of PG programme & Research courses in the university.
- He briefed about PLM lab which was set up recently in collaboration with M/s. Capgemini.
- He also briefed about the innovative project work which was carried out by 1<sup>st</sup> year students using Audino board kit.
- He congratulated the alumni students who achieved great success in their career

Alumni Mr. Shreyas M also gave a technical talk on growing demands in Industry. Students asked many questions regarding placements and the alumni shared their views. During the interaction session with the alumni the following discussions happened.

- Discussion about the current trends in market and opportunities in various mechanical fields.
- Shared information about various job opportunities and recent projects in their experiences.
- Information about updating the database of the alumni association.
- Regarding taking alumni feedback on curriculum

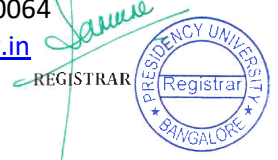
Next, the session was the interaction of alumni with Department. On this occasion, HOD Dr Satish

**City Office: University House, 8/1, King Street, Richmond Town, Bengaluru - 560025**

**Campus: Presidency University, Itgalpur, Rajankunte, Bengaluru - 560064**

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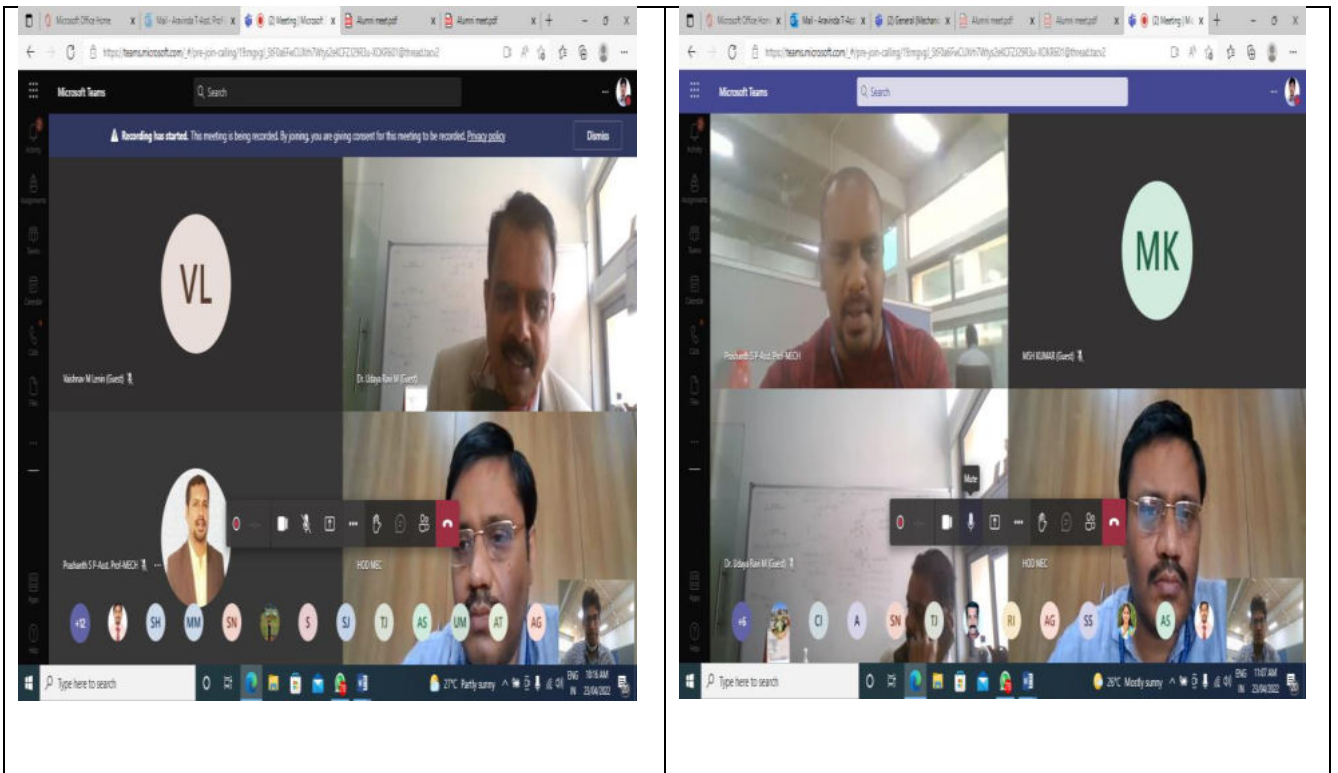


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Babu B, Dr. Udaya Ravi M, Dr. G N Lokesh, Mr. Prashanth S P and Dr. Ramachandra CG discussed important issues regarding involvement of alumni for the Department and the University like placement opportunity, networking, linkages, collaboration, consultation, mentorship program, training programs, skill development programs etc. At this moment, all alumni promised to help the department and the university in all possible ways.

Vote of thanks was conducted by Mr. Sandeep G M, Asst. Professor and Alumni coordinator and he thanked the management of Presidency University for the support and guidance which has made

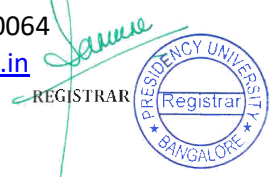


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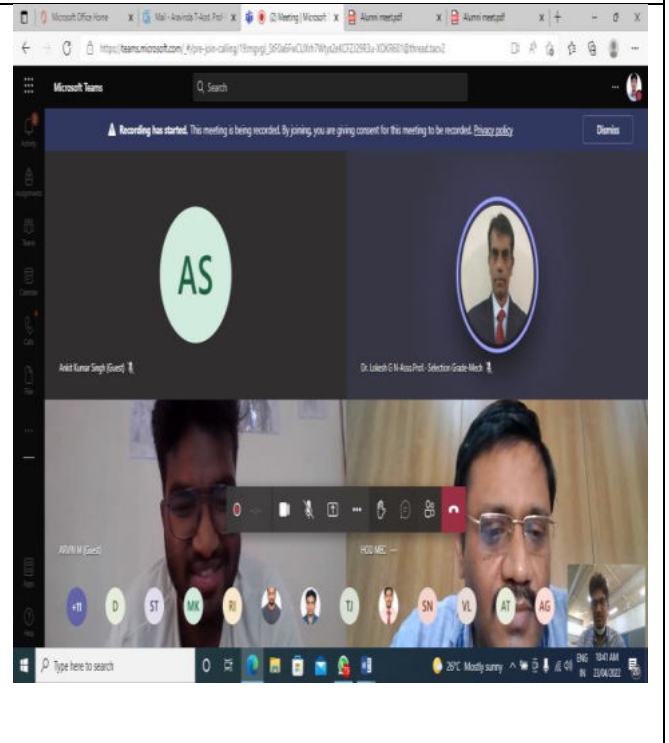
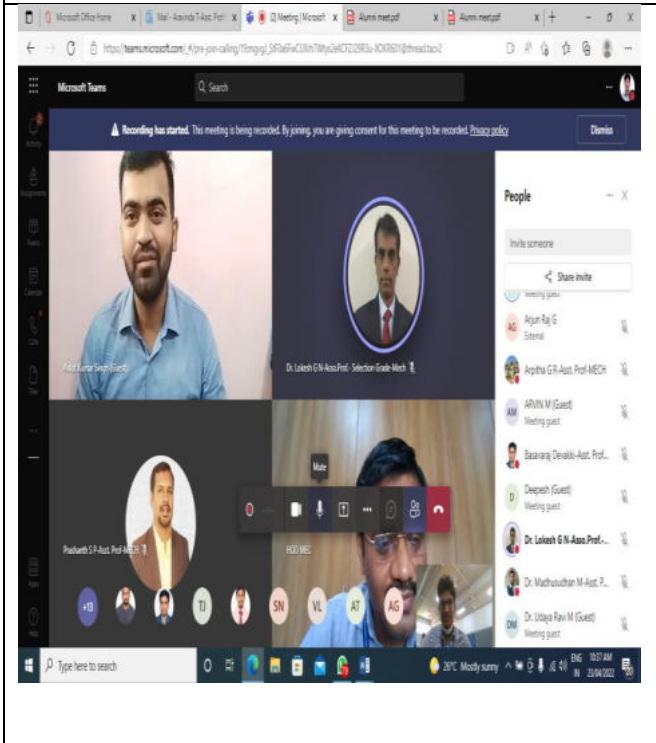
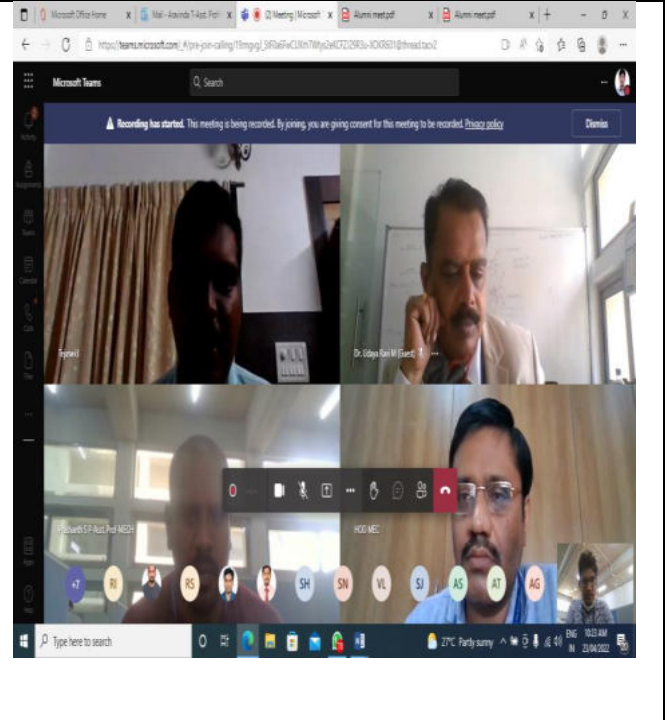
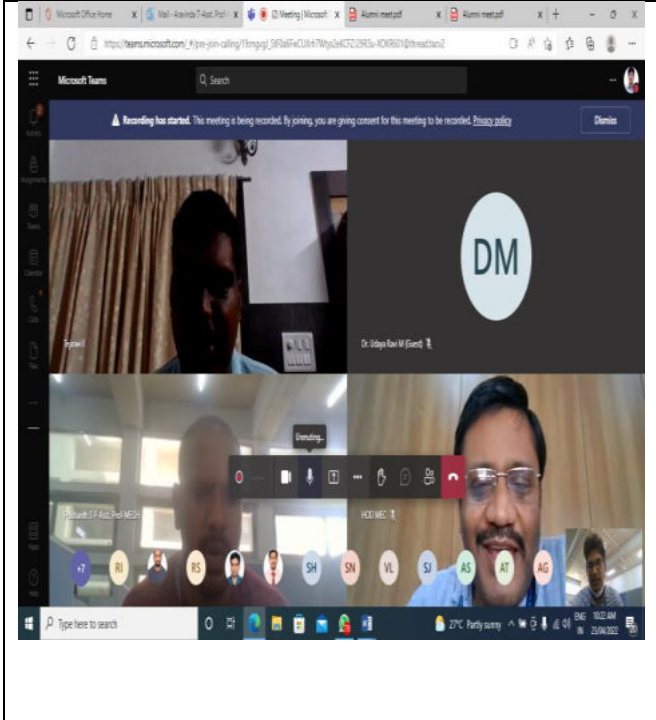
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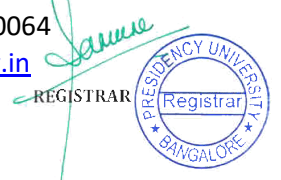


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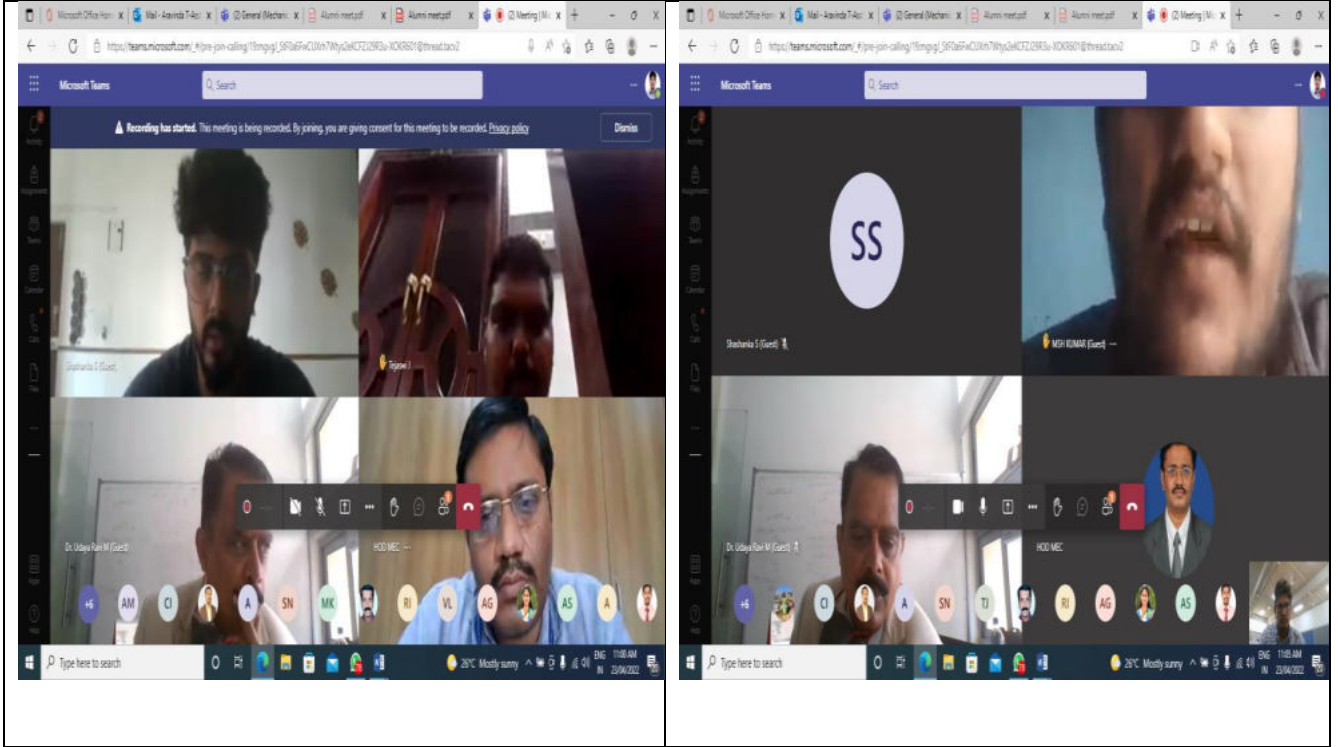
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## List of students:

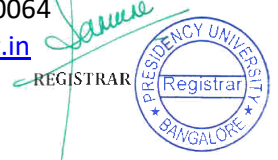
S.No	Names	Present/Absent
1	Arjun Raj G	Present
2	Sai Ganesh	Present
3	Sohan Chandrakanth	Present
4	Rakshith Shetty	Present
5	Steve jose	Present
6	Anchal Totla	Present

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7	Uday Kiran M	Present
8	Ankit Kumar Singh	Present
9	Manoj Kumar S M	Absent
10	Vaishnav M Lenin	Present
11	Tejaswi J	Present
12	Deepesh	Present
13	Shridatha	Present
14	Arjun Raj G	Present
15	Deepesh	Present
16	Shridatha	Present
17	Deepesh	Present
18	Shridatha	Present
29	Surya Teja	Absent
33	Parvati Rajesh	Present
34	Imad Pasha	Present
35	Akshath KUSUMARAVISHANKAR	Present
37	Arvin M	Present
40	Prakash	Present
41	Steve Jose	Present
42	Shreyas S S	Absent

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43	Sanjeev Babajyavar	Present
44	Shashanka S	Present
45	Akshay	Present
46	Akhil	Present
49	Thanush AV	Present

Signature of  
Coordinator

HoD-MEC  
Dr. Satish Babu Bopanna

Head of the Department  
Mechanical Engineering  
School of Engineering  
PRESIDENCY UNIVERSITY  
BANGALORE, Karnataka, Bangalore

Associate Dean-SOE  
Dr. Shrishail. B. Anadinni

Dean-SOE  
Dr. Abdul Sharief  
Dean, SoE  
Presidency University  
Bangalore- 560064

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# PRESIDENCY UNIVERSITY

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## DEPARTMENT OF MECHANICAL ENGINEERING

SCHOOL OF ENGINEERING

PRESIDENCY UNIVERSITY

ITGALPURA, RAJANKUNTE, YELAHANKA

BANGALURU- 560064

**A talk on study opportunities in Taiwan**

**by Alumni, Mr. Jay Prakash Reddy on 20/04/2023**



# PRESIDENCY UNIVERSITY

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*Alumni Interactions on*

## *Study Opportunities in Taiwan*

*Resource Person*

**Jay Prakash Reddy**

*Master's Student in Robotics, Department of  
the Mechanical Engineering, Ming Chi  
University of Technology, Taiwan*

Organized by,

**Department of Mechanical  
Engineering, School of Engineering,  
Presidency University, Bengaluru**

**Date: 20<sup>th</sup> April, 2023**

Faculty Coordinators:

**Mr. Basavaraj Devakki**

**Mr. Prashanth S P**

*Dept. of Mechanical Engineering,  
Presidency University, Bengaluru*

**Time: 06:00 PM**

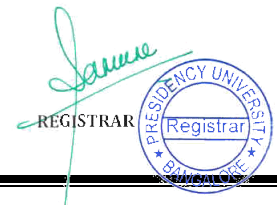
MS Teams Link:

<https://rb.gy/r8bt6>

Convener:

**Dr. Satish Babu B**

*Head of the Dept.  
Dept. of Mechanical Engineering,  
Presidency University, Bengaluru*



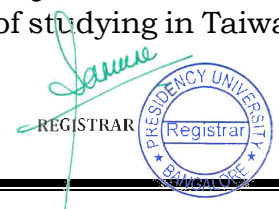
## About the program:

On 20/04/2023, a talk was organized by the Mechanical department Alumni Association featuring esteemed alumnus, Mr. Jay Prakash Reddy. The event focused on exploring the diverse study opportunities available in Taiwan for students. The talk aimed to provide valuable insights into Taiwan's education system, scholarship programs, and the overall experience of studying in the country.

## Key Points Covered:

- 1. Introduction to Taiwan's Education System:** Mr. Jay Prakash Reddy began by introducing Taiwan's education system, highlighting its high-quality standards and global recognition. He emphasized that Taiwan has become an increasingly popular destination for international students due to its world-class universities and innovative academic programs.
- 2. Popular Fields of Study:** The speaker discussed the most sought-after fields of study in Taiwan. He noted that Taiwan excels in engineering, technology, medicine, business, and social sciences, among others. He further elaborated on specific universities known for their expertise in these fields.
- 3. Language Requirements:** Addressing a common concern among prospective international students, Mr. Reddy explained the language requirements for studying in Taiwan. While many programs are offered in English, certain courses may require a basic understanding of Mandarin. He suggested that language programs are available for those interested in learning Mandarin before starting their academic studies.
- 4. Scholarship Opportunities:** One of the key highlights of the talk was the discussion on scholarship opportunities for international students in Taiwan. Mr. Reddy provided information about various scholarships offered by the Taiwanese government, universities, and other organizations. He encouraged the attendees to explore these options as they can significantly ease the financial burden of studying abroad.
- 5. Cultural Experience and Campus Life:** Mr. Reddy shared his personal experiences of living and studying in Taiwan. He discussed the welcoming and friendly nature of the Taiwanese people and the rich cultural experience that international students can enjoy. Additionally, he shed light on the vibrant campus life and extracurricular activities that contribute to a holistic educational experience.
- 6. Employment Opportunities:** Towards the end of the talk, the speaker touched upon the employment opportunities available to international students after completing their studies in Taiwan. He explained that Taiwan's growing economy and global trade connections create a favourable environment for graduates to find suitable job opportunities, both locally and internationally.

**Conclusion:** The talk by Mr. Jay Prakash Reddy on study opportunities in Taiwan was highly informative and engaging. Attendees gained valuable insights into the academic landscape of Taiwan, scholarship possibilities, and the overall cultural and educational experience the country offers to international students. The event concluded with an interactive Q&A session where participants had the chance to seek further clarification on specific aspects of studying in Taiwan.





Overall, the talk served as an excellent resource for students aspiring to pursue higher education abroad, particularly in Taiwan, and showcased the exciting possibilities that await them in this dynamic Asian nation.

### Captured Moments:

The screenshot displays a Zoom meeting interface. At the top, a grid of nine circular avatars is shown. The participants are: Basavaraj Devaki- Asst. Prof- M..., KANATI BHANU PRAKASH (KP), Shashanka Subramani (Guest) (SS), 納魯波 (納), Prashanth S P- Asst. Prof- MECH, SUKUMARAN A (skull icon), NEERAJ U (anime character), YASHWANTH S, Dr. Satish Babu Boppna- Prof ..., and a blue circle with '+13'. Below the avatars is a presentation slide from Ming Chi University of Technology. The slide features the university's logo and the title 'Exploring Taiwan: A Hub of Academic Excellence and Cultural Richness' in red text. The background of the slide shows a modern university building. The Zoom interface includes a toolbar at the top with various icons for file, home, insert, draw, design, transitions, animations, slide show, record, review, view, math type, help, find, replace, select, edit, voice, and designer. A vertical list of participant avatars is visible on the right side of the screen.

# First year in the MCUT.....?

Courses in the class:

## 學分證明書 Certificate of Credit

科目 Course	學分 Credit
數值熱傳 Numerical Heat Transfer	3.0
數位影像處理技術 Digital Image Processing Technologies	3.0
人工智慧在電腦視覺之應用 Application of Artificial Intelligence in Computer Vision	3.0
功能材料原理與應用 Theory and Application of Functional Materials	3.0
熱管理工程與實務 Practice of Thermal Management Engineering	3.0
最佳控制 Optimal Control	3.0
總計學分數 / Total credits	18



賈亞

SHA...

KP  
KAN...

SS  
Shas...

納  
納魯波

Pras...

KOP...

V  
Vijaa...

YAS...

BH  
BAS...

S  
SIDD...

VISH...

+10

### List of students Participated:

SI No.	Names	Present/Absent
1.	MOHAMMED AAKIFULLA	Present
2.	MUHAMMED ATIF ABDUL MUJEEB	Present
3.	JUNAID MOHAMMED KHAN	Present
4.	DARSHAN P	Present
5.	RAJULAPUDI TULASI SRIRAM	Present
6.	PRANAV J	Absent
7.	YASHWANTH KUMAR R	Present
8.	HAMAAD AJAZ KHAN	Present
9.	MANJU YALLAPPA BADANNAVAR	Present
10.	STANZIN TSANLEX	Present
11.	PRUTHVI THIMMAIAH I T	Present
12.	SYED MOHAMMED ABIS RIZVI	Present
13.	ARVIN M	Present
14.	MD ISHAR AHAMADA	Present
15.	N. KIRAN KUMAR REDDY	Present
16.	AKSHAY NARENDRA	Present
17.	KUMMETHA CHAMANTH KUMAR REDDY	Absent
18.	HARSHITH G	Present
19.	YASHWANTH N	Present
20.	CHAITANYAA K K	Absent

Registrar  
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21.	SAHAAN SATEESH SALIAN	Present
22.	HAREESH SANGANAGOUDA CHANNAPPAGOUDAR	Present
23.	NITHIN KUMAR M	Present
24.	NARREDDY VAMSI DHAR REDDY	Present
25.	PALAGIRI SUNIL KUMAR REDDY	Present
26.	DAYANANDA T	Present
27.	KOUSHIK	Present
28.	CHEZHAN R PATIL	Present
29.	ROHIT ROY S P	Present
30.	SHAMANTH B S	Present
31.	SACHIN H B	Present
32.	KOMMINENI SUJITH CHOWDARY	Present
33.	HEMANTHA S V	Present
34.	MOHITH R	Present
35.	NAGARAJU R	Present
36.	AIMAN FATHIMA	Absent
37.	SHREYAS S GOWDA	Present
38.	SURESH K NABHAPUR	Present
39.	CHIRANJEEVI P	Present
40.	HARIHARAN MAHADEV KALAGUDI	Present
41.	ANIL KUMAR M	Present
42.	MANOJ S	Present
43.	MOHAMMED AFRID NV	Present
44.	DILEEP SINGH PATEL C	Present
45.	RATHAN	Present
46.	SUJITH A	Present
47.	JAYANTH C	Present
48.	ARJUN M	Present
49.	YASHWANTH G	Present
50.	MOHIT NAGAR	Present
51.	PHANI PRASAD G C	Absent
52.	SAKE RAVITEJA	Present
53.	ASHWIN DASS PRAKASH	Present
54.	AKASH C	Present
55.	SAGAR A K	Present
56.	MUPPALLA VENKATESHWARLU	Present
57.	DHANAGOWDARA BHARATHAGOWDA	Present
58.	MARK STEPHEN S	Present
59.	AMAN ROY	Present
60.	BATHULA VAMSI KRISHNA REDDY	Present
61.	STEVE JOSE	Present
62.	CHILAKALA GOPI	Present
63.	SHIVA KUMAR G	Present
64.	MOHAMMED BILAL V S	Present



65.	CHANDAN M	Present
66.	SHREYAS VEERABADHRA KUMAR P	Present



Signature of  
Coordinator



HoD-MEC  
Dr. Satish Babu Bopanna

Head of the Department  
Mechanical Engineering  
School of Engineering  
PRESIDENTY UNIVERSITY  
Koramangala, Hebananka, Bengaluru



Associate Dean-SOE  
Dr. Shrishail. B. Anadinni



Dean-SOE  
Dr. Abdul Sharief  
Dean, SoE  
Presidency University  
Bangalore- 560064



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**DEPARTMENT OF MECHANICAL ENGINEERING**

**SCHOOL OF ENGINEERING**

**PRESIDENCY UNIVERSITY**

ITGALPURA, RAJANKUNTE, YELAHANKA

BANGALURU- 560064

**A talk on study opportunities in Taiwan**

**by Alumni, Mr. Shashanka Subramani on 21/04/2023**



# PRESIDENCY UNIVERSITY

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*Alumni Interaction*

## *Career Opportunities for Mechanical Engineers*

Organized by,

**Department of Mechanical  
Engineering, School of Engineering,  
Presidency University, Bengaluru**

*Resource Person*

**Shashanka Subramani**  
*Mechanical Design Engineer*  
*Schneider Electric*  
*Bengaluru*

**Date: 21<sup>st</sup> Apr, 2023**

Faculty Coordinators:

**Mr. Basavaraj Devakki**

**Mr. Prashanth S P**

*Dept. of Mechanical Engineering,  
Presidency University, Bengaluru*

**Time: 06:00 PM**

**MS Teams Link:**

**<https://rb.gy/r8bt6>**

Convener:

**Dr. Satish Babu B**

*Head of the Dept.  
Dept. of Mechanical Engineering,  
Presidency University, Bengaluru*





## About the program:

**Introduction:** On 20th April 2023, the Presidency University, Mechanical Alumni Association organized a talk featuring distinguished alumnus, Mr. Shashanka Subramani. The talk focused on shedding light on the diverse career opportunities available to mechanical engineers in the current professional landscape. The event aimed to provide valuable insights into potential career paths, industry trends, and tips for aspiring mechanical engineers.

## Key Points Covered:

- 1. Introduction to Mechanical Engineering:** Mr. Shashanka Subramani commenced the talk by providing a brief overview of mechanical engineering as a field. He highlighted the importance of mechanical engineers in various industries, including manufacturing, aerospace, automotive, energy, and robotics.
- 2. Industry Trends and Technological Advancements:** The speaker delved into the latest industry trends and technological advancements relevant to mechanical engineering. He discussed the growing demand for renewable energy solutions, automation, additive manufacturing, and smart technologies, emphasizing how these developments present new career opportunities for mechanical engineers.
- 3. Diverse Career Paths:** One of the key highlights of the talk was the exploration of diverse career paths available to mechanical engineers. Mr. Subramani discussed options such as research and development, design and analysis, project management, quality control, and consulting roles. He also emphasized the potential for entrepreneurship in the engineering domain.
- 4. Soft Skills and Professional Development:** Recognizing the importance of soft skills in career growth, the speaker underscored the significance of effective communication, problem-solving, teamwork, and adaptability for mechanical engineers. He shared tips on how to enhance these skills and encouraged attendees to participate in workshops, seminars, and networking events to foster their professional development.
- 5. Internships and Industry Exposure:** Mr. Shashanka stressed the importance of gaining practical experience through internships and industry exposure during academic years. He highlighted that such experiences not only bolster a student's resume but also provide invaluable insights into real-world engineering challenges and practices.
- 6. Networking and Building Professional Connections:** In the latter part of the talk, the speaker emphasized the power of networking and building professional connections within the industry. He shared personal anecdotes of how networking played a crucial role in his

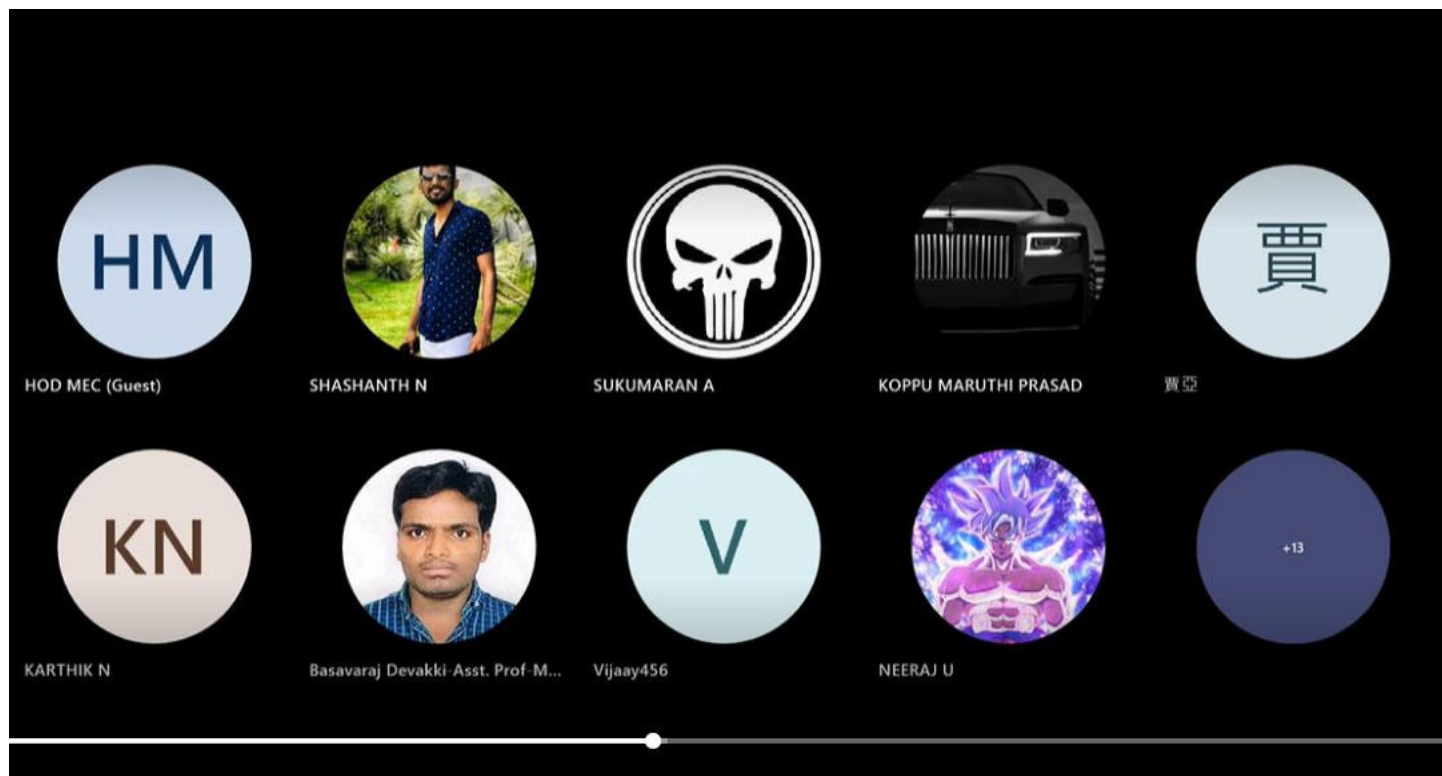


own career progression and encouraged attendees to proactively engage with professionals and alumni to expand their network.

**Conclusion:** The talk by Mr. Shashanka Subramani on career opportunities for mechanical engineers was highly informative and well-received by the audience. Attendees gained valuable insights into the various career paths within mechanical engineering, the importance of staying updated with technological advancements, and the significance of soft skills in professional growth.

Overall, the event provided a platform for aspiring mechanical engineers to gain guidance and inspiration from an accomplished alumnus, enabling them to make informed decisions about their career paths and enhancing their prospects in the dynamic and ever-evolving field of mechanical engineering.


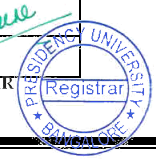
### Captured Moments:



Life after Mechanical Engineering  
SHASHANKA SUBRAMANI

Shashanka Subramani (Guest)

SL NO	NAMES	Present/Absent
1.	CHARAN GOWDA A S	Present
2.	ABDUL NASIR P	Present
3.	MAHAT K MATHEW	Present
4.	BALARAM B IYENGAR	Present
5.	AMAR RAJ R	Present
6.	MANNALA THARUN	Present

Registrar  
  


7.	VIGNESH RAJ M	Present
8.	JAYAKRISHNAN K PRAKASH	Present
9.	VINAY MK	<b>Absent</b>
10.	KUSHAL H M	Present
11.	PURVA RAJ GOPAL REDDY NR	Present
12.	UJWAL SHARMA	Present
13.	PAVAN KUMAR	Present
14.	SHIVA KUMAR NAIK R V	Present
15.	ADARSH PATIL	Present
16.	GOWTHAM N	Present
17.	MEESALA GURU RAM SAI	Present
18.	VINAY C	Present
19.	ABUBAKAR SIDDIQ	Present
20.	DADAPEER H M	<b>Absent</b>
21.	GIRIDHAR M V	Present
22.	BHIMRAJ A	Present
23.	SAMEER	Present
24.	AVINASH	Present
25.	MITHUN L H	Present
26.	VISHAL C	Present
27.	ANVITH K S	Present
28.	KRISHNA R S	Present
29.	PREMKUMAR N	Present
30.	ABHILASH R	Present
31.	AMIT RANJAN	Present
32.	P S NAGACHYUTH	Present
33.	K ABHIJITH	Present
34.	SAGAR SHAH	Present
35.	N AKASH	<b>Absent</b>
36.	HARISH RAMAKRISHNA MULIMANI	Present
37.	AMARNATH GOWDA C	Present
38.	SUDHARSHAN J	Present
39.	CHITTELA HARSHA VARDHAN REDDY	Present
40.	GANESH K	Present
41.	SACHIN B R	Present
42.	ANNADURAI RAHUL	Present
43.	MOHAMMED FARDEEN	Present
44.	NANDEESH M	Present
45.	AKSHAY C URS	Present
46.	YATHINKUMAR M	Present
47.	NISHANTH S	Present
48.	GOPINATH V	<b>Absent</b>
49.	CHETHAN R	Present
50.	DENZIL CLETUS SALDANHA	Present
51.	SUMANTH R	Present
52.	PRAVEEN KUMAR REDDY	Present

  
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53.	NIKHIL A B	Present
54.	MOHAMED IBRAHIM	Present
55.	PRAJWAL KUSHA	Present
56.	CHAKRAVARTHID J	Present
57.	BHARATH H N	Present
58.	RAHUL ANKOLEKAR	Present
59.	PRAVACHAN D NAIK	<b>Absent</b>
60.	JUNAID AHMED	Present



Signature of  
Coordinator



HoD-MEC  
Dr. Satish Babu Bopanna

Head of the Department  
Mechanical Engineering  
School of Engineering  
PRESIDENCY UNIVERSITY  
Koramangala, Bengaluru



Associate Dean-SOE  
Dr. Shrishail. B. Anadinni



Dean-SOE  
Dr. Abdul Sharief  
Dean, SoE  
Presidency University  
Bangalore- 560064



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SCHOOL OF ENGINEERING

PRESIDENCY UNIVERSITY

ITGALPURA, RAJANKUNTE, YELAHANKA

BANGALURU- 560064

### A technical talk on current Industry Demands and How We Can Adapt to It

by Alumni, Mr. Ankit Kumar Singh on 07/05/2023

#### About the program:

The program started at 10.00 AM in online mode (MS teams). Dr. Satish Babu, Head of the Department of Mechanical Engineering welcomed and thanked the speaker for accepting the invitation to deliver a technical talk. HoD also welcomed Dean-SOE, Dr. Abdul Sharief to the programme. Mr. Basavaraj Devakki anchored the session & introduced the Alumni speaker to the audience Mr. Ankit Kumar Singh, Quality analyst, Wyzmindz Solutions, Bengaluru has begun with introducing the current industry development and insights into industry 4.0.

He delivered some interesting concepts related to skill development to meet today's industry needs, how mechanical engineers can improve their coding skills etc.

The speaker informed about the need to learn programming languages like Python. He also gave some inputs on additive manufacturing and related trends in the manufacturing sector. Students had asked few questions about the analysis softwares to be learnt.

Few students discussed the opportunities to study abroad and the specializations available in leading Universities. The speaker gave sufficient information about the same and stressed the need to learn German language if the students desired to apply Masters in German Universities.

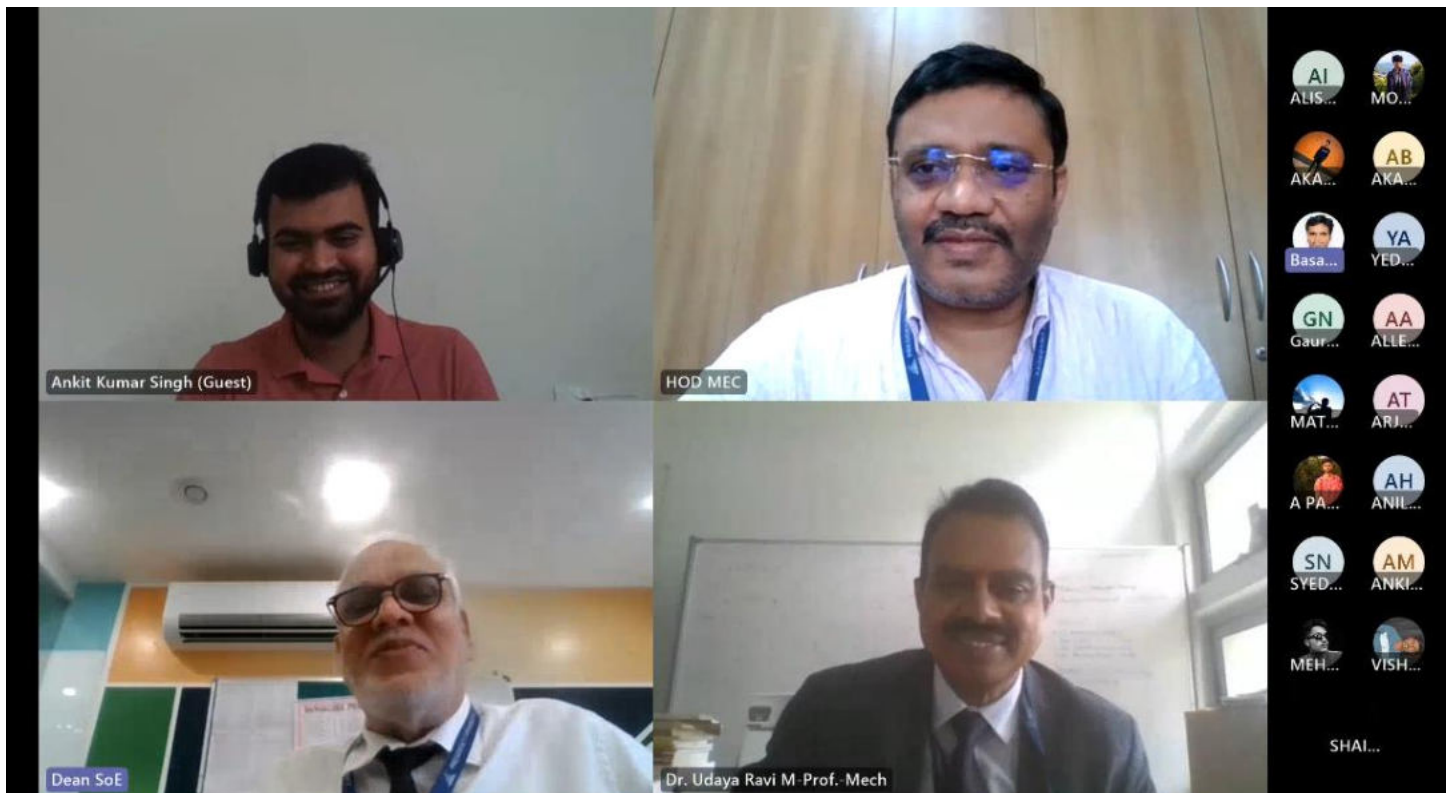
The speaker stressed the need to constantly upgrade their knowledge and skills as per the requirement in Industry. The students were told to know about automation strategies that are being implemented in the industries.

At the end of the session the speaker offered projects to students at his organization. Mr. Basavaraj Devakki gave the vote of thanks.

#### Captured Moments:

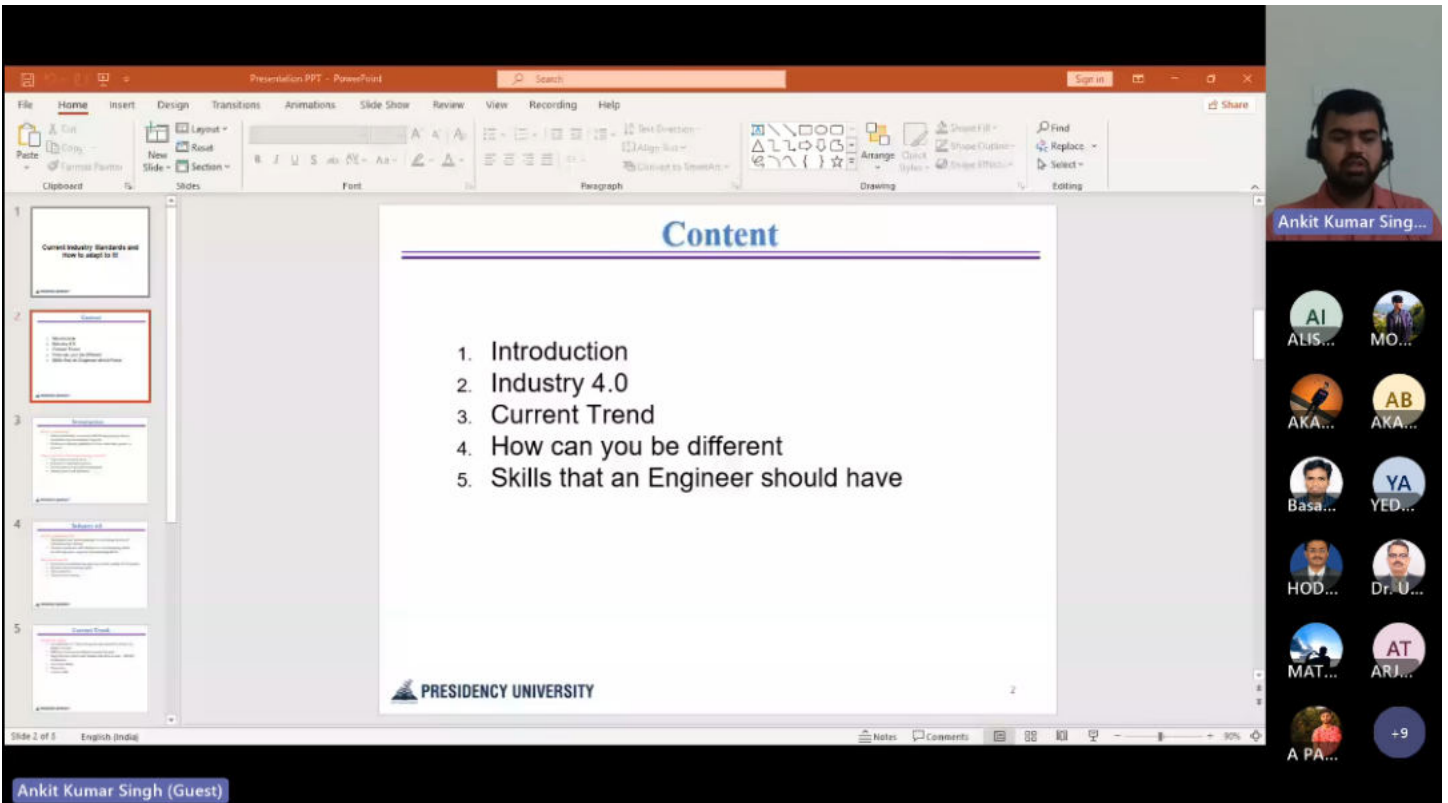


## 1. Beginning to the session interaction with speaker:



## 2. Session started by the speaker









Ankit Kumar Singh (Guest)



Ankit Kumar Singh (Guest)



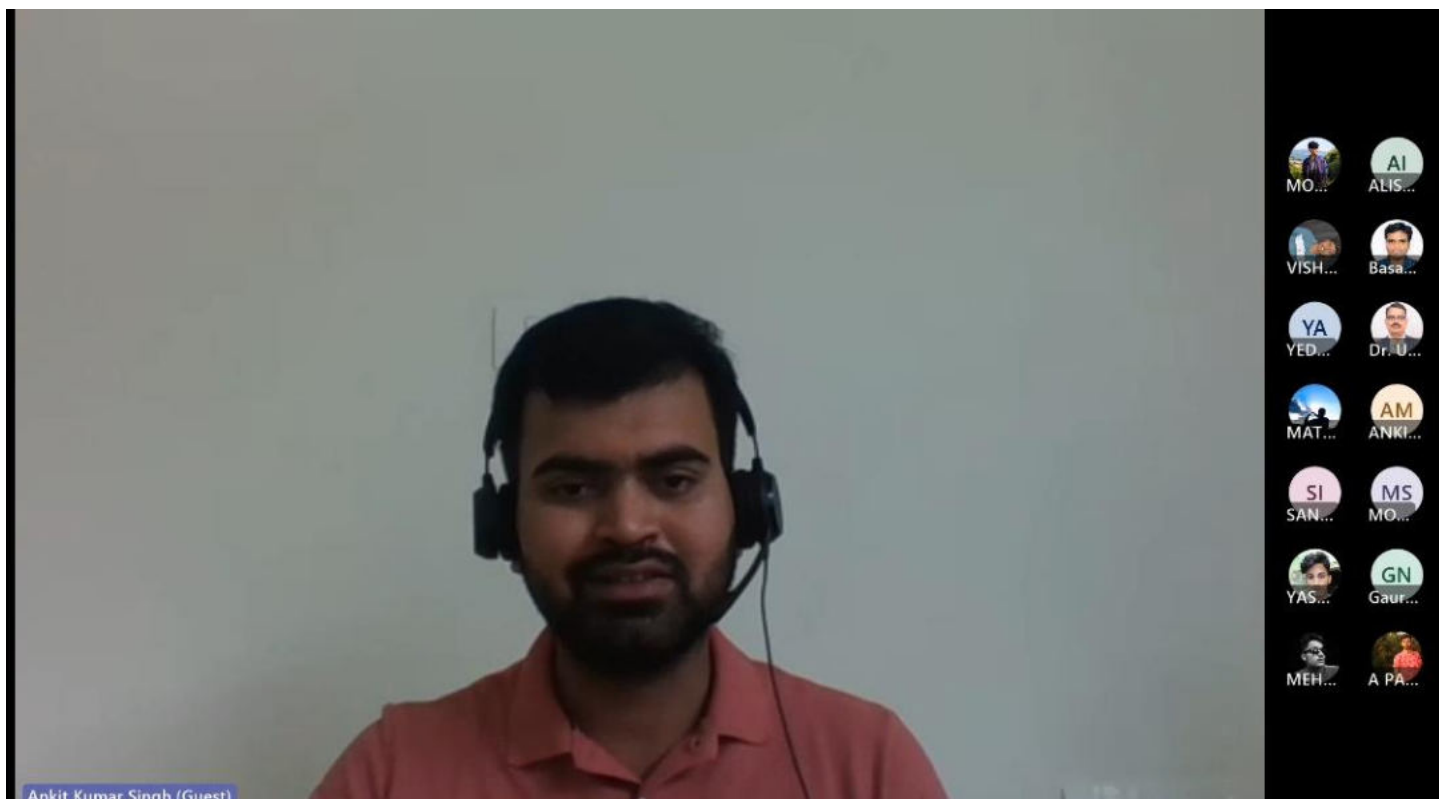
HOD MEC



Dr. Udaya Ravi M - Prof. Mech



**3. Interactive (Q& A session with the speaker) session from faculties and students, followed with vote of Thanks by Basavaraj Devakki**



List of students:

SL NO	Names	Present/Absent
1.	ABHISHEK S	Present
2.	RAGHAV J A	Present
3.	MOKSHITH TIRUMALA N S	Present
4.	MOHAMMED FARAZ KHAN	Absent
5.	DESHMUKH GAURAV NANDKUMAR	Present
6.	NAYAN JONES	Present
7.	VIJAYKUMAR T MIRASHI	Present
8.	K VENUGOPAL	Present
9.	VIJAY KUMAR	Present
10.	CHETHAN B	Absent
11.	RANJITH C	Present
12.	NAVNEET J	Present
13.	A VISHNU	Present
14.	MOHAMED FARMAN	Present
15.	ANAND P V	Present
16.	PRAVEEN KUMAR GOWDA R	Absent
17.	ABHISHEK KUMAR RAI	Present
18.	MAQUSUD ALI L S	Present

*Signature*  
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19.	ABHIJITH O	Present
20.	MANOJ M	Present
21.	TEJASWI J	Present
22.	SHEIK SULAIMAN	Present
23.	TANISH MAHESHWARI	Present
24.	WAQAR AHMED	Absent
25.	MOIN KHAN	Present
26.	ROHIT C	Present
27.	M S SRIKANTH	Present
28.	MOHAMED SULAIMAN	Present
29.	ABHISHEK A S	Present
30.	ANKIT KUMAR SINGH	Present
31.	ADNAN AHMED KHAN	Present
32.	GUNDAPANENI BHARGAV SAI	Present
33.	MOHAMMED MUAZZAM AFRID M A	Present
34.	RANGADHAMA H	Present
35.	SACHIN L G	Present
36.	CHANDAVATH SAI PREETHAM NAIK	Present
37.	MOHAMMED KAMRAAN	Present
38.	RITESH PATHAK	Present
39.	MOHAMMED AMEEN M S	Present
40.	VIGNESH R	Absent
41.	PUNEET KUMAR SHARMA	Absent
42.	GIDDALURU SAI VENKATA GANESH	Present
43.	SAI PAVAN VEERA M	Present



Signature of  
Coordinator



HoD-MEC  
Dr. Satish Babu Bopanna

Head of the Department  
Mechanical Engineering  
School of Engineering  
PRESIDENCY UNIVERSITY  
Kengeri, Bengaluru



Associate Dean-SOE  
Dr. Shrishail. B. Anadinni



Dean-SOE  
Dr. Abdul Sharief  
Dean, SoE  
Presidency University  
Bengaluru- 560064



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**DEPARTMENT OF MECHANICAL ENGINEERING**

**SCHOOL OF ENGINEERING**

**PRESIDENCY UNIVERSITY**

ITGALPURA, RAJANKUNTE, YELAHANKA

BANGALURU- 560064

**A talk on system, Application and Products in data Processing**

**by Alumni, Mr. Hemanth Kumar MS on 08/05/2023**



# PRESIDENCY UNIVERSITY

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*Alumni Interaction*

## *Systems, Applications & Products in Data Processing*

Organized by,

**Department of Mechanical Engineering, School of Engineering, Presidency University, Bengaluru**

*Resource Person*

**Hemanth Kumar MS**  
**Business System Analyst**  
**Emkey Solutions Pvt Ltd**  
**Bengaluru**

**Date: 8<sup>th</sup> May, 2023**

**Time: 06:00 PM**

**MS Teams Link:**  
**<https://rb.gy/r8bt6>**

Convener:

**Dr. Satish Babu B**  
*Head of the Dept.*  
*Dept. of Mechanical Engineering,*  
*Presidency University, Bengaluru*

Faculty Coordinators:

**Mr. Basavaraj Devakki**  
**Mr. Prashanth S P**  
*Dept. of Mechanical Engineering,*  
*Presidency University, Bengaluru*



## About the program:

On 08/05/2023, the Presidency University, Mechanical Alumni Association hosted a talk featuring esteemed alumnus, Mr. Hemanth Kumar MS. The talk focused on exploring the world of System, Application, and Products in Data Processing (SAP). The event aimed to provide valuable insights into SAP technology, its applications in data processing, and its significance in various industries.

## Key Points Covered:

- 1. Introduction to SAP:** Mr. Hemanth Kumar MS commenced the talk by providing a comprehensive introduction to SAP, elaborating on its origin, evolution, and its role in the field of data processing. He highlighted SAP's reputation as a leading enterprise resource planning (ERP) software solution used by organizations worldwide.
- 2. Components of SAP:** The speaker discussed the various components of SAP, including SAP ERP, SAP Customer Relationship Management (CRM), SAP Supply Chain Management (SCM), SAP Human Capital Management (HCM), and SAP Business Intelligence (BI). He explained how each module contributes to different aspects of data processing and aids in streamlining business operations.
- 3. Applications in Data Processing:** One of the main highlights of the talk was the exploration of SAP's applications in data processing. Mr. Hemanth Kumar MS explained how SAP enables efficient data management, data analysis, and data-driven decision-making for organizations. He provided examples of how SAP solutions have revolutionized processes in industries such as manufacturing, finance, healthcare, and retail.
- 4. Benefits of SAP Implementation:** The speaker emphasized the benefits of implementing SAP in an organization. He discussed how SAP helps in integrating various departments and processes, leading to enhanced productivity, reduced operational costs, improved customer relations, and better overall business performance.
- 5. Career Opportunities in SAP:** Mr. Hemanth Kumar MS shed light on the promising career opportunities in the SAP domain. He discussed how expertise in SAP can open doors to roles such as SAP consultant, SAP analyst, SAP developer, and SAP project manager, among others. He also encouraged students to pursue relevant certifications to strengthen their profiles in this competitive field.
- 6. Challenges and Future Trends:** Towards the end of the talk, the speaker addressed the challenges faced during SAP implementation and provided insights into overcoming them effectively. He also discussed the future trends in SAP, including advancements in artificial intelligence, machine learning, and cloud-based SAP solutions.

**Conclusion:** The talk by Mr. Hemanth Kumar M S on System, Application, and Products in Data Processing (SAP) was an enlightening and informative session. Attendees gained valuable insights into SAP technology, its role in data processing, and its significance in various industries. The event provided an excellent opportunity for students and professionals to understand the vast potential of SAP as a career path and its impact on modern businesses.

Overall, the talk served as a platform for knowledge sharing and inspired the audience to explore the exciting world of SAP, fostering a deeper appreciation for the applications and opportunities that SAP presents in the domain of data processing.



## Captured Moments:

SYSTEMS, APPLICATIONS &  
PRODUCTS IN DATA PROCESSING

Hemanth Kumar MS  
Business System Analyst  
EMKEYTECH

SAP

there is a opportunity to be in the corporate world by using SAP.  
So let me start the slide. So can you able to hear all of us?

Hemanth Kumar MS (Guest)

Hemanth Kumar ...  
Dr. Udaya Ravi M...  
Basa... Shas...  
HM HOD... Pras...  
VISH... +20

SKILLS REQUIRED TO  
LEARN SAP

- Basic Computer Skills
- Understanding of Business Processes
- Analytical and Problem-Solving Skills
- Communication Skills
- Technical Skills
- Project Management
- *SAP Modules and Specializations*
- Continuous Learning

and continuous implementations because every day the technologies.  
Changing every day the yeah is

Hemanth Kumar ...  
Dr. Udaya Ravi M...  
Basa... Shas...  
HM HOD... Pras...  
VISH... +20



## CAREERS OPTIONS IN SAP FOR MECHANICAL ENGINEERS

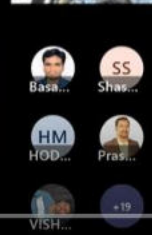
1. Material Management
2. Production Planning and Control
3. Quality Management
4. Plant Maintenance and Asset Management
5. Product Lifecycle Management (PLM)
6. Data Analytics and Reporting

➤ SAP Development & Implementation  
SAP BTP  
SAP SAC



mainly then finance. It is a like a combination of everything. It is comes to an end  
programming, mechanical standards, standards

Hemanth Kumar MS (Guest)



### List of students Participated:

SL No	Names	Present/Absent
1.	KARAN V PANCHAL	Present
2.	INDRESH D A	Present
3.	JEEVAN A	Present
4.	B RAVI KIRAN	Present
5.	YASHAS R	Present
6.	SANJEEV G BABAJIYAVAR	Present
7.	MADDANA TEJA	Absent
8.	PAVANKUMAR MARATHE	Present
9.	C A AYUSH PONNAPPA	Present
10.	ASHOK KUMAR G	Present
11.	MOHAMMED ZAMEER HUSSAIN M	Present
12.	M YOKESH	Present
13.	PUNEETH GOWDA Y N	Present
14.	MOHAMMED ABRAR	Present
15.	AMOGH B KULKARNI	Present
16.	CHANDAN G	Present
17.	RAGHAVENDRA ROHIT P	Absent
18.	MANDA KONDA SURENDRA KUMAR	Present
19.	PAVAN KUMAR G	Present
20.	DARSHANKUMAR M MARAVALLI	Present
21.	MOHAMMADISMAIL D KOTABAL	Present
22.	VISHWAS N C	Present
23.	ANOOP B A	Present
24.	MADHU M	Present





25.	M MOHAMED SWALIH MOOPEN	Present
26.	AKASH SHETTY	Present
27.	ROSHAN KUMAR PANDEY	Present
28.	MATHEW JAMES	Present
29.	BHARAT M TEVARANNAVAR	Present
30.	BANDI SAMUEL PAUL	Present
31.	ARPIT M C	Present
32.	AALDERIK JUDE J	Present
33.	MANJUNATH U H	Present
34.	OBULA REDDY DINESH KUMAR REDDY	Present
35.	AKARSH PATIL HOTTE	Present
36.	AASINTH SRI BALAJI R	Absent
37.	SACHIN	Present
38.	FAZALA JUNAID	Present
39.	VIGNESH G S	Present
40.	JEEVITA SHETTY	Present
41.	SETTIPALLI DEVENDRA REDDY	Present
42.	CHANDAN K R	Present
43.	ABHIJITH P	Present
44.	UMEAR AHMED QURESHI	Present
45.	ADITYA KUMAR	Absent
46.	SHASHANK B	Present
47.	KUSHANK NARENDRA	Present
48.	YASHASWINI K B	Present
49.	PRAMOD R	Present
50.	ASWIN KUMAR SL	Present
51.	SANAGARAM LAKSHMI NARASIMHA VISHAL	Present
52.	MOHAMMED AWAIS H	Present
53.	B T PRUTHVI	Present
54.	PRASAD H	Present
55.	SYED JUNAID	Present



Signature of  
Coordinator



HoD-MEC  
Dr. Satish Babu Bopanna

Head of the Department  
Mechanical Engineering  
School of Engineering  
PRESIDENCY UNIVERSITY  
Kogalmane, Yelahanka, Bengaluru



Associate Dean-SOE  
Dr. Shrishail. B. Anadinni



Dean-SOE  
Dr. Abdul Sharief  
Dean, SoE  
Presidency University  
Bangalore- 560064



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**DEPARTMENT OF MECHANICAL ENGINEERING**

**SCHOOL OF ENGINEERING**

**PRESIDENCY UNIVERSITY**

ITGALPURA, RAJANKUNTE, YELAHANKA

BANGALURU- 560064

**A technical talk advancements in rotary friction welding**

**by Alumni, Mr. Gurumurthy on 05/06/2023**



# PRESIDENCY UNIVERSITY

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*Alumni Interaction*

## *Advancements in Rotary Friction Welding*

Organized by,

**Department of Mechanical  
Engineering, School of Engineering,  
Presidency University, Bengaluru**

**Date: 5<sup>th</sup> June, 2023**

Faculty Coordinators:

**Mr. Basavaraj Devakki**

**Mr. Prashanth S P**

*Dept. of Mechanical Engineering,  
Presidency University, Bengaluru*

**Time: 06:00 PM**

MS Teams Link:

<https://rb.gy/r8bt6>

*Resource Person*

**Gurumurthy**

*Master's Student in Additive Manufacturing  
and Rapid Tooling, Department of the  
Mechanical Engineering Ming Chi University  
of Technology, Taiwan*

Convener:

**Dr. Satish Babu B**

*Head of the Dept.  
Dept. of Mechanical Engineering,  
Presidency University, Bengaluru*

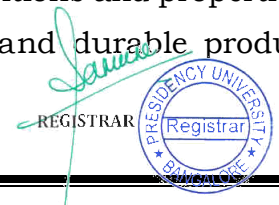


## About the program:

On 5th June 2023, the Presidency University, Mechanical Alumni Association hosted a technical talk featuring esteemed alumnus, Mr. Gurumurthy. The talk focused on exploring the latest advancements in Rotary Friction Welding (RFW). The event aimed to provide valuable insights into the technology, its applications, and the potential it holds for transforming welding processes in various industries.

## Key Points Covered:

- 1. Introduction to Rotary Friction Welding:** Mr. Gurumurthy began the technical talk with a comprehensive introduction to Rotary Friction Welding. He explained that RFW is a solid-state welding process that creates a strong bond between two materials by applying frictional heat through rotational movement. The absence of melting ensures a defect-free weld with exceptional joint strength.
- 2. Mechanism and Process Parameters:** The speaker delved into the underlying mechanism of Rotary Friction Welding. He explained the importance of process parameters such as rotational speed, axial force, material composition, and temperature during the welding process. Attendees gained a thorough understanding of how these factors influence the quality of the weld.
- 3. Advancements in RFW Equipment:** Mr. Gurumurthy discussed the latest advancements in Rotary Friction Welding equipment. He highlighted how modern machines are designed for higher precision, efficiency, and automation. These improvements have led to increased productivity and reduced cycle times, making RFW an attractive choice for high-volume manufacturing.
- 4. Applications Across Industries:** One of the main highlights of the talk was the diverse applications of Rotary Friction Welding across industries. Mr. Gurumurthy showcased how RFW is utilized in aerospace, automotive, oil and gas, medical devices, and various other sectors. Attendees learned about the specific advantages RFW offers in each industry and how it has revolutionized conventional welding methods.
- 5. Joining Dissimilar Materials:** A significant advancement discussed during the talk was the successful joining of dissimilar materials using RFW. Mr. Gurumurthy explained the challenges and innovations in welding materials with varying compositions and properties. This capability has opened up new opportunities for lightweight and durable product designs.

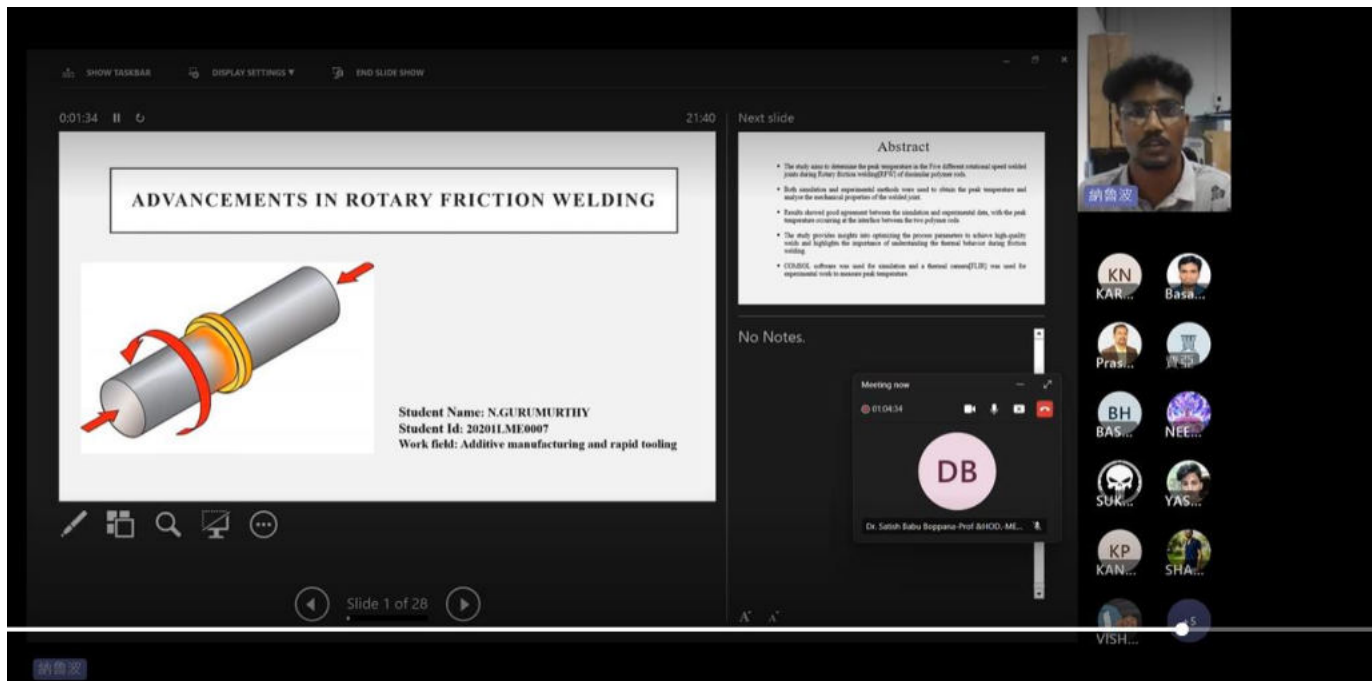


6. **Research and Future Scope:** The speaker emphasized the importance of ongoing research in Rotary Friction Welding. He discussed potential areas of improvement, including process optimization, development of new welding techniques, and expanding the range of weldable materials. Attendees were encouraged to contribute to the evolving field of RFW.

**Conclusion:** The technical talk by Mr. Gurumurthy on advancements in Rotary Friction Welding was a highly informative and engaging session. Attendees gained valuable insights into the principles, applications, and continuous research in RFW. The event provided a platform for students, engineers, and industry professionals to understand the significance of this cutting-edge welding technology and its potential to redefine welding practices in various sectors.

Overall, the talk served as an excellent opportunity to learn from an expert in the field and inspired the audience to explore the vast possibilities of Rotary Friction Welding in creating robust and innovative products across industries.

### Captured Moments:



*Sanne*  
REGISTRAR  
P. PRESIDENCY UNIVERSITY  
BANGALORE

**Abstract**

- The study aims to determine the peak temperature in the Five different rotational speed welded joints during Rotary friction welding(RFW) of dissimilar polymer rods.
- Both simulation and experimental methods were used to obtain the peak temperature and analyse the mechanical properties of the welded joint.
- Results showed good agreement between the simulation and experimental data, with the peak temperature occurring at the interface between the two polymer rods.
- The study provides insights into optimizing the process parameters to achieve high-quality welds and highlights the importance of understanding the thermal behavior during friction welding.
- COMSOL software was used for simulation and a thermal camera[FLIR] was used for experimental work to measure peak temperature.

**Methodology**

- Selection of materials and preparation of specimens:** Selection of appropriate polymer materials for the welding process and preparation of the specimens for the welding process.
- Friction welding experiments:** Conducting Rotary friction welding experiments with different rotational speeds to determine the peak temperature in the weld joint during the welding process.
- Temperature measurement:** Using appropriate temperature measurement techniques, such as thermocouples or infrared cameras, to measure the temperature during the welding process.
- Simulation:** Developing a simulation model to predict the peak temperature in the weld joint during the friction welding process and compare the results with the experimental data to validate the model.

**RESULTS AND DISCUSSION**

The figure shows the sample experimental results of the Rotary friction welding of the ABS and PC polymer rods for the rotational speed of 200rpm. The results explain the three main of the experiment i.e., Friction time, Fringe time, and cooling time.

**Interface of the software used for the simulation**



List of students Participated:

SL NO	Names	Present/Absent
1.	MOHD SAMEER AHMED	Present
2.	MANOJ KUMAR S M	Present
3.	M GAUTHAM	Present
4.	KANCHU HEMANTH	Present
5.	ANANDU KRISHNAN	Present
6.	VANKADHARA VENKATA SAI ROHITH	Absent

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7.	HARISH S	Present
8.	PRAVEEN KUMAR V	Present
9.	M RENGANATHAN	Present
10.	DINESH A	Present
11.	SHAIK SADIQ PASHA	Present
12.	ARCHIT	Absent
13.	DHRUV SATI	Present
14.	KOLLI SURYA TEJA	Present
15.	ALURU DHARMAVARDHAN VARA PRASAD	Present
16.	DARSHAN D	Present
17.	ADITHYA R	Present
18.	M SRIKANTH	Present
19.	SHREYAS R	Present
20.	PRIYESHKUMAR U	Absent
21.	H P CHETAN RAJ	Present
22.	BHOOMIKA PRAVEEN	Present
23.	ABDUL SALMAN RASHEED	Present
24.	MADHUSUDHAN GOWDA S M	Present
25.	VINAYAKA C H	Present
26.	SHIVA PRASAD R S	Present
27.	SHREYAS REDDY K	Present
28.	AFTAB A KHAN	Present
29.	ROHIT B GONEMMA NAVARA	Present
30.	SANTHOSH SYLVESTER G	Present
31.	SHAIK ARIF BASHA	Present
32.	IMAD PASHA	Absent
33.	KIRAN J	Present
34.	SEENUKIRAN R	Present
35.	KARTHIK S PATIL	Present
36.	C PRAMOD	Present
37.	SHASHANK GOWDA S	Present
38.	MITHUN C NAIK	Present
39.	MOHAMMED ISHAQ AHMED	Present
40.	BOYA GANESH NAIDU	Present
41.	SHASHANK N	Present
42.	SATISH M	Present
43.	PULICHERLA BALA SAI SUDARSHAN REDDY	Present
44.	VENU GOPAL N	Present
45.	SHOURABH YADAV	Present
46.	MANOJ GOWDA S	Present
47.	SYED ABDUL RAHAMAN	Absent
48.	PRASIDH GANAPATHY K P	Present
49.	AKASH A	Present
50.	MOHAN NATHAN N	Present
51.	AKSHAY S R	Present

  
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52.	KARTHIK KUMAR K G	Present
53.	SAGARS	Present



Signature of  
Coordinator



HoD-MEC  
Dr. Satish Babu Bopanna

Head of the Department  
Mechanical Engineering  
School of Engineering  
PRESIDENTY UNIVERSITY  
Koramangala, Bengaluru



Associate Dean-SOE  
Dr. Shrishail. B. Anadinni



Dean-SOE  
Dr. Abdul Sharief  
Dean, SoE  
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