



## SCHOOL OF ENGINEERING

### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

#### *5.3.3 Technical fest/academic fests*

Sl. No	<i>Event /Activity</i>	<i>Date</i>
1	Course Based Project Expo	18/12/2021
2	Techathon	11/05/2023
3	Project Expo	05/06/2023

  
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BANGALORE



# PRESIDENCY UNIVERSITY

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

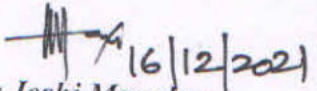
Date: 16-12-2021

## CIRCULAR

All the students of 7EEE1 & 7EEE 2 are here by informed that the "Course based Project Expo" for Electrical Drives EEE304 has been scheduled on 18-12-2021 at 11.00AM. An external examiner will be joining for the evaluation.

I request everyone should join without fail.

**Venue: PE Lab**



  
16/12/2021  
Dr Joshi Manohar  
Course IC  
Electrical Drives

City Office: University House, 8/1, King Street, Richmond Town, Bengaluru 560025  
Campus: Presidency University, Itgalpur, Rajanakunte, Yelahanka, Bengaluru 560064  
Phone: +91 80 49255533 / 5599 Email Id: info@presidencyuniversity.in



**SCHOOL OF ENGINEERING**  
**List of Students 7-EEE-1 (Even Sem Aca. Year 2021-22)**  
**ELECTRICAL AND ELECTRONICS ENGINEERING**  
 Electrical Drives HANDSON PROJECT BATCHES

Sl. No.	Student ID No	Name	Batches	Name of the Project
1	20181EEE0015	FARHAN MUKTHIARABDUL LATE	1	RFID Controlled Security System
2	20181EEE0002	ABHISHEKR BHARADWAJ		
3	20181EEE0004	AMULYA A PUROHIT		
4	20181EEE0005	ANKIT KUMAR SHARMA		
5	20181EEE0006	ARSHAD SALEEM	2	Digital Tachometer Using Arduino Board
6	20181EEE0007	ARVIND GOWDAC N		
7	20181EEE0008	BH LAVANYA		
8	20181EEE0010	BATHALA PRASHANTH		
9	20181EEE0012	BOGGULA MARUTHI MANOHAR REDDY	3	AC Voltage Circuit Using Thyristor
10	20181EEE0013	CHARAN KUMAR N		
11	20181EEE0014	DEEKSHITHA N		
12	20181EEE0001	ABHINAV SURESH		
13	20181EEE0016	G SAIKUMAR	4	Simulation And Implementation of speed control of Dc Motor Using Arduino
14	20181EEE0017	DHEERAJ G D S		
15	20181EEE0018	GATE MOHAMMAD SHADAB		
16	20181EEE0019	HANUMANTH KUMAR A		
17	20181EEE0020	HARIKRISHN V	5	Motion Detector Using NE555 Timer and PIR Sensor
18	20181EEE0021	JAHNAVIJ P		
19	20181EEE0022	JAYASHREE SAHU		
20	20181EEE0023	JAYASHREE V		
21	20181EEE0025	K SHRAVAN KUMAR	6	Speed control Of DC Motor using Chopper Circuit
22	20181EEE0026	KALYAN CH		
23	20181EEE0028	KESHAV GANESH		
24	20181EEE0031	MALLIKARJUN M HIRENATH		
25	20181EEE0032	MANISH KUMAR	7	Changing the direction of rotation of Dc motor using Relays
26	20181EEE0034	MOHAMMED NASIR		
27	20181EEE0036	PAGADALA REVANTH NATH		
28	20181EEE0037	PALLAREDDAIAH		
29	20181EEE0038	PALLAVI R	8	Buck-Boost Coverter using Arduino
30	20181EEE9001	R TEJASWINI		
31	20181EEE9002	HEMANTHH L		
32	20191LEE0001	NIHARIKA H		
33	20191LEE0002	SHIVACHANDAN D L	9	Obstacle detector using LM358IC
34	20191LEE0003	BASAVAKUMAR S HIREHAL		
35	20191LEE0004	RAVI KUMAR K		
36	20191LEE0005	KUSHAL S		
37	20191LEE0006	DHEERAJ C	10	Home Automation using Arduino
38	20181EEE9007	MD KAISE		
39	20191LEE9003	VISHAK VIJAYA KUMAR		
40	20181EEE9008	BHARATH S		

  
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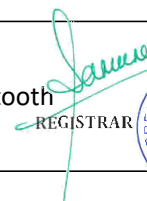
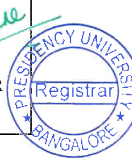
**SCHOOL OF ENGINEERING**

**List of Students 7-EEE-2 (Even Sem Aca. Year 2021-22)**

**ELECTRICAL AND ELECTRONICS ENGINEERING**

**Electrical Drives HANDSON PROJECT BATCHES**

Sl. No.	Student ID No	Name	Batches	Name of the Project
1	20181EEE0039	GURU SAI GOUDPANDLA	1	Automotive 12V-5V-3.3V DC-DC Buck Converter using Active High side switching, Input EMI filter (as per CISPR25 CLASS 5) and reverse polarity protection
2	20181EEE0042	PRAJWALS		
3	20181EEE0044	PREETHAMHIMAKAR		
4	20181EEE0045	PUNITHK KUNAL		
5	20181EEE0047	RAJATH KRISHNAR	2	Obstacle avoiding robot
6	20181EEE0048	RITHIKR K		
7	20181EEE0050	SADIYATAHERA		
8	20181EEE0051	SAI HRITHIKP K	3	Remote controlled induction motor
9	20181EEE0052	SAICHARAN		
10	20181EEE0053	SAMI ULARFATH		
11	20181EEE0054	SANJAYKUMAR S C		
12	20181EEE0055	SATISH KUMAR	4	street light intensity control.
13	20181EEE0056	SHARON PRANATHI M		
14	20181EEE0057	SHREE LAKSHMI G		
15	20181EEE0059	SONU B M		
16	20181EEE0060	SOUMYA T	5	fire fighting bot
17	20181EEE0061	SREEVATSAP M		
18	20181EEE0063	SUMITH JJADHAV		
19	20181EEE0064	SURABHIM Y		
20	20181EEE0066	IDREES QUADRISYED	6	Automatic Plant Watering System using Arduino UNO
21	20181EEE0067	TEJAS GOWDAM		
22	20181EEE0068	VARSHAANIL		
23	20181EEE0069	VISHNUT S		
24	20181EEE0070	WASEELKHANNA	7	robot arm using servo motors with vibration control
25	20181EEE0071	MADHU SUDHANYAMAVARAM		
26	20181EEE0072	YASSER AHAMEDKHAISAR		
27	20181EEE0073	DILIPYADAVN		
28	20181EEE0074	POOJA B SPATEL	8	Arduino car parking system
29	20181EEE0075	TPOORNIMA		
30	20181EEE9003	SYEDZABISAMEER		
31	20181EEE9006	KRUTHAN KRISHNA SWAMY		
32	20191LEE0008	PANCHENDRA H D	9	Arduino Based fire fighting robot
33	20191LEE0009	LOKESH M		
34	20191LEE0010	S R GURUPRASAD		
35	20191LEE0011	RAKESH C S		
36	20191LEE0012	ARJUN CHHETRY	10	Home Automation using bluetooth
37	20191LEE0013	NAGARAJU V		
38	20191LEE9001	PRASHANT RADHESHYAMYADAV		
39	20191LEE9002	SHIVA TULSHI KUMAR N		
40	20191LEE9004	SANDEEP KUMAR		

  
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## Invitation as a judge for "Course based Project Expo" on 18-12-2021-Reg

HOD EEE <hod\_eee@presidencyuniversity.in>

Fri 12/17/2021 12:00 PM

To: prashanthna@bmsit.in <prashanthna@bmsit.in>

Dear Dr Prashanth,

Greetings of the Day!. It gives me immense pleasure to invite you as a Judge for "Course based Project Expo" on 18th Dec 2021 at Presidency University, Bangalore. The main objective of the event is to encourage the students for experiential learning and to cultivate the hands-on experience on Electrical Drives and Power Electronics courses.

To summarize, there are 20 project batches and all ready with the prototypes for the demonstration.

I once again, invite you and hope to see you tomo.

Regards

Dr Joshi

Professor & HoD

Dept of EEE

PU

  
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**Department of Electrical and Electronics Engineering**  
**School of Engineering**  
**Presidency University**  
Itgalpura, Rajanukunte, Yelahanka, Bengaluru – 560 064

**“Course based Project Expo for Electrical Drives“**

**Date: 18/12/2021**

The Department of EEE, SoE, Presidency University in association with Centre for Innovation Incubation and Entrepreneurship (CIIE), Presidency University has organized a "Course Based ED Project" on 18<sup>th</sup> Dec 2021. Twenty project batches, around 80 students are participated for the expo.

The objectivities of the expo are as follows:

1. To demonstrate the concepts studied in Electrical Drives course (EEE 304).
2. To enhance the participative learning
3. To inculcate the habit of hands-on learning/experience

The program was graced by the presence of **Dr. Ramesh**, (Dean-Research and Innovations), **Dr. Abdul Sharief** (Dean – SoE), **Dr Annadini**, Associate Dean, SoE and **Dr. Prashanth** from BMSIT for the evaluation of project. The program was convened by **Dr. V Joshi Manohar** (HoD - Dept. of EEE), coordinated by **Mr Anil Kumar T.R.B and Ms Saptadipa Das** (Research Scholars of the EEE Department) played a vital role in organizing the project Expo. The project expo started at 2:00pm on 18th DEC 2021, with the blessings and wishes from invited dignitaries.

**Dr Abdul Sharief**, Dean – SoE, Presidency University Bangalore, formally welcomed the External reviewer **Prof Dr.Prasanth** from BMSIT (INDIA) BENGALURU., and the students. He emphasized the importance of experience based learning and appreciated all the students for joining the project expo.

**Dr Ramesh**, Dean-Research and Innovations Centre, presidency University Bangalore, explained the importance of hands on learning, how to develop the skill of Innovation and entrepreneurship. He listed out various Government and University schemes which are helpful to the students.

  
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**Dr Annadinni, Associate Dean SoE**, appreciated the department for organizing the unique event and congratulated all the students for their active participation in COVID times.

**Dr V Joshi Manohar**, HoD - Dept. of EEE, Presidency University Bangalore, welcomed the dignitaries, the External reviewer Prof Dr.Prashanth from BMSIT (INDIA ) BENGALURU, and all the participants. He explained the motive and objectives of the expo and appreciated the students for their work.

Dr Prashanth, Associate Professor, BMSIT, appreciated the new initiative of conducting Course based Project expo. He congratulated all the participants for their efforts in doing the projects.

Total No.of Batches : 20

By doing this project students came to know about the requirements of doing the innovative project, connection with their working and was very helpful for doing final year project was the opinion of students

The certificate for the "Course Based ED Project " has been issued by **Prof. Dr V Joshi Manohar, HoD** and **Prof. Dr Abdul Sharief, Dean – SoE**.

Snapshots from the event are attached below:

## **Title of the project Group-1 :RFID Controlled Security System**



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## Title of the project Group-2 :Digital Tachometer Using Arduino Board.

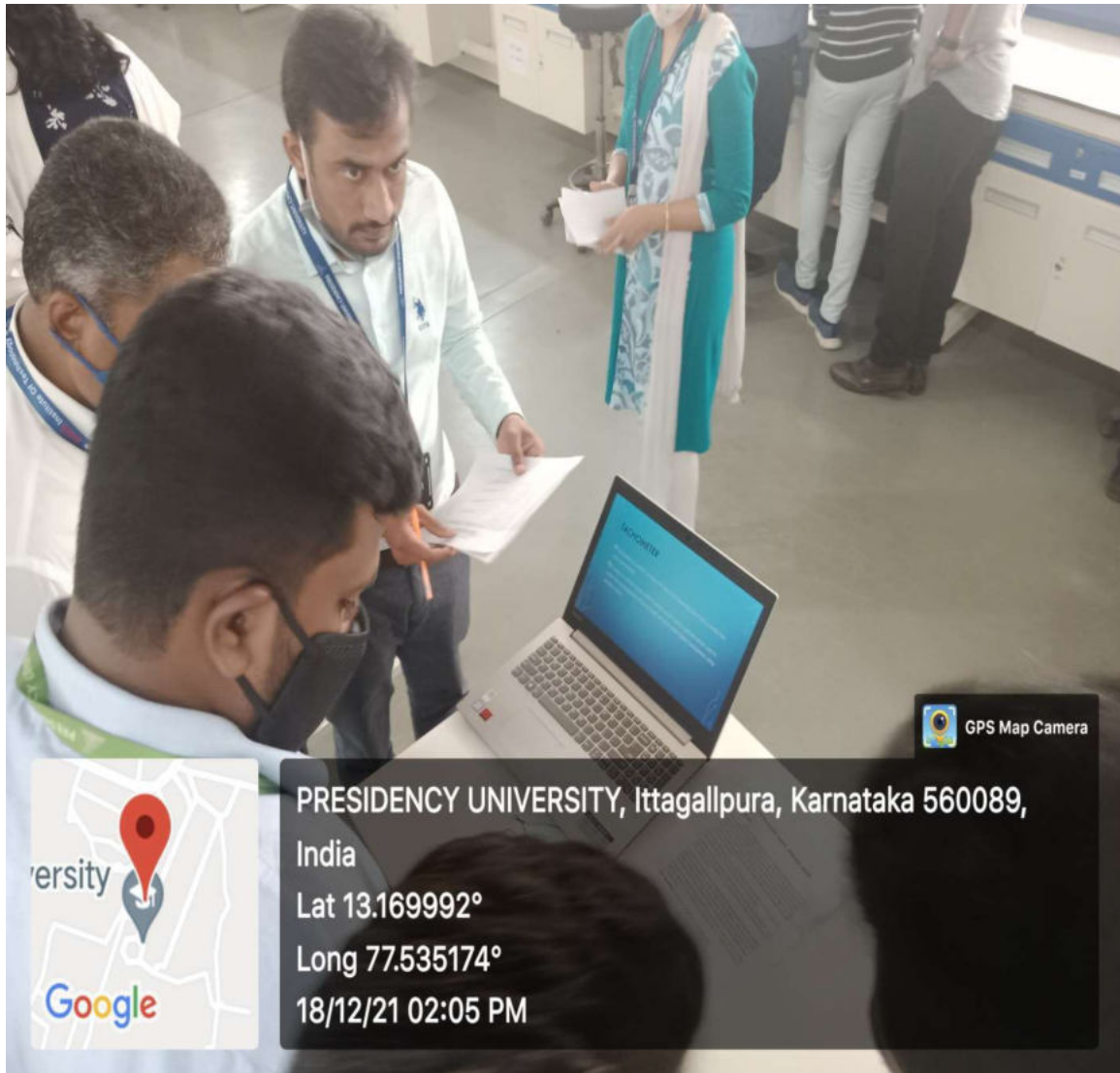




**Title of the project Group-3 :Simulation And Implementation of speed control of Dc Motor Using Arduino.**



## Title of the project Group-4 : Home Automation using Arduino



## Title of the project Group-5 : Home Automation using bluetooth



**Title of the project Group-6 :Motion Detector Using NE555  
Timer and PIR Sensor**



*Jasme*  
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## Title of the project Group-7 : Arduino Based fire fighting robot



**Title of the project Group-8 :Obstacle avoiding robot**

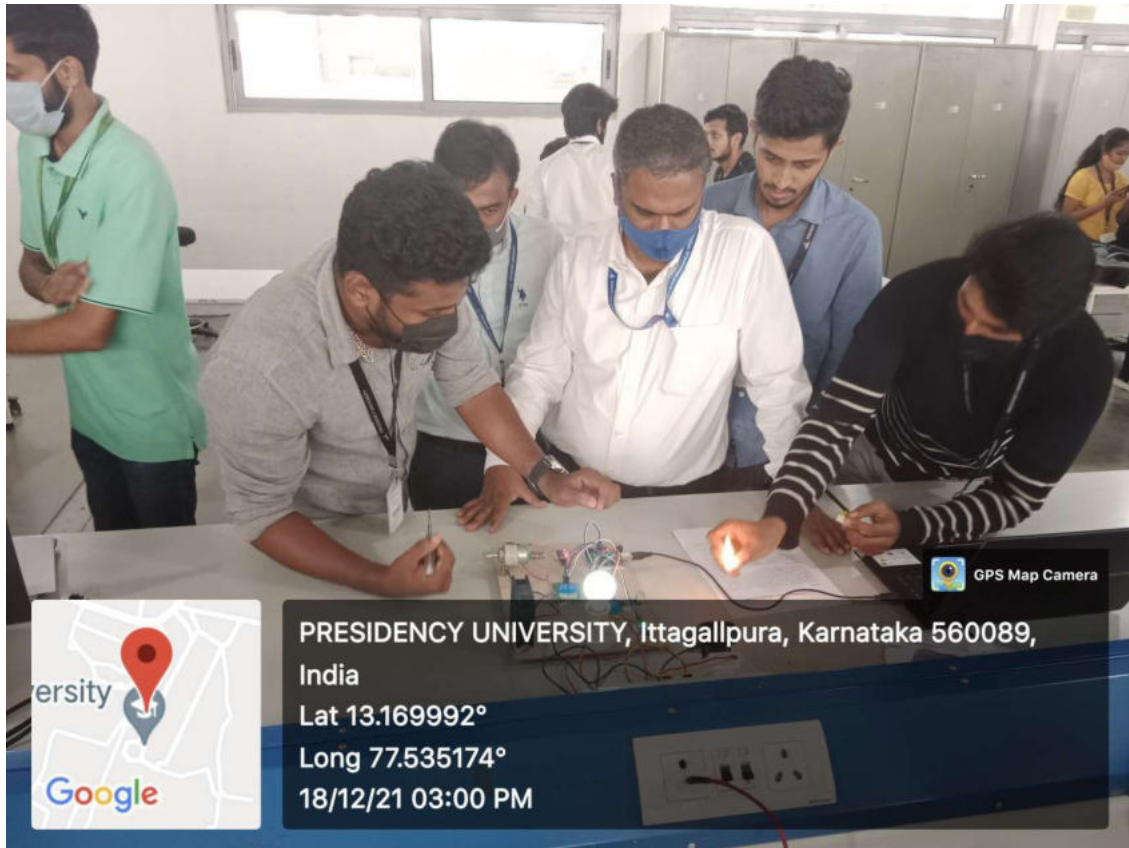


*Sanne*  
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## Title of the project Group-9: Buck-Boost Converter using Arduino



**Title of the project Group-10 : street light intensity control.**



*Sanne*  
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Title of the project Group-10 : Obstacle detector using LM358IC



*[Signature]*  
21/12/2021  
Head of the Department  
Electrical and Electronics Engineering  
School of Engineering  
PRESIDENCY UNIVERSITY  
Rajanukunte, Yelahanka, Bengaluru -64

*[Signature]*  
(Assoc. Dean SoE)

*[Signature]*  
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PRESIDENCY UNIVERSITY  
BANGALORE



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Presidency University Act, 2013 of the Karnataka Act No. 41 of 2013 | Established under Section 2(f) of UGC Act, 1956  
Approved by AICTE, New Delhi



## SCHOOL OF ENGINEERING

### CERTIFICATE OF PARTICIPATION

**This certificate is awarded to**

**Mr. ARVIND GOWDAC N bearing**

**Roll. Number 20181EEE0007**

for presenting his project on **Digital Tachometer Using Arduino Board** for  
“**Course based project Expo for Electrical Drives**”  
held on **18th December 2021**, organized by the **Department of Electrical and  
Electronics Engineering**, Presidency University, Bengaluru.

**Dr. Prashanth**  
**External Evaluator**

**Dr. V Joshi Manohar**  
**Convener**

**Dr. CS Ramesh**  
**Dean R&I**





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21/12/2021

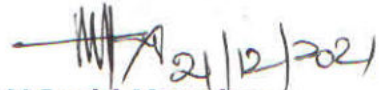
## LETTER OF APPRECIATION

On behalf of Department of Electrical & Electronics Engineering, Presidency University, Bangalore, I would like to express heartfelt appreciation to **Dr Prashanth NA, Associate Professor, EEE, BMSIT, Bangalore** for acting as a **Judge** for "Course based Project Expo" on 18<sup>th</sup> Dec 2021 at Presidency University, Bangalore.

Thank you for volunteering your services, we appreciate you for reaching, in spite of your busy schedule. Overall, the participants thought that you were fair in analyzing and were particularly struck by your attentiveness in judging each and every project.

Once again, thank you for making the event successful and I expect your continuous support in future too.

Sincerely,

 21/12/2021

**Dr V Joshi Manohar**  
Head of the Department  
Electrical and Electronics Engineering  
School of Engineering  
PRESIDENCY UNIVERSITY  
Rajanukunte, Yelahanka, Bengaluru - 56





# PRESIDENCY UNIVERSITY

Private University established in Karnataka State by Act No. 41 of 2013

21/12/2021

## LETTER OF APPRECIATION

On behalf of Department of Electrical & Electronics Engineering, Presidency University, Bangalore, I would like to express heartfelt appreciation to **Mr K Sreekanth Reddy, Assistant Professor, EEE, Presidency University, Bangalore** for acting as a **Judge** for "Course based Project Expo" on **18<sup>th</sup> Dec 2021 at Presidency University, Bangalore.**

Thank you for volunteering your services, we appreciate you for reaching, in spite of your busy schedule. Overall, the participants thought that you are fair in analyzing and were particularly struck by your attentiveness in judging each and every project.

Once again, thank you for making the event successful and I expect your continuous support in future too.

Sincerely,

**Dr V Joshi Manohar**

Head of the Department  
Electrical and Electronics Engineering  
School of Engineering  
PRESIDENCY UNIVERSITY  
Rajanakunte, Yelahanka, Bengaluru -64



## Fw: Invitation for inauguration of "Techathon", starting 9:00 AM, F Block Seminar Hall, May 11th 2023

HOD Civil <hod\_civ@presidencyuniversity.in>

Wed 5/10/2023 9:28 AM

To: HOD EEE <hod\_eee@presidencyuniversity.in>

📎 2 attachments (2 MB)

Techathon Banner.pdf; Techathon Poster.pdf;

Invites sent. Also made calls. Hopefully will have good attendance tomorrow.

Best Regards,

Dr. Nakul Ramanna,

Professor and Head

Department of Civil Engineering

[Presidency University](https://www.presidencyuniversity.in)

Itagalpur, Rajanakunte,

Bangalore 560064, Karnataka

Mobile - +91-9632349550



University of the Year in **Placement Excellence** - South by Assocham

University of the Year in **Innovative Academic Curriculum** – South by Assocham

**E-Learning Excellence** for Academic Digitisation (E-LEAD) by QS I-GAUGE

**PROMISING** University by Atal Ranking of Institutions on Innovation Achievement (ARIIA), MoE - Gol

**Ranked 48** - India's Top Engineering Colleges & Universities 2022 by BW Business World

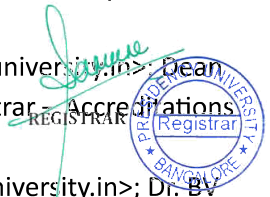
**Ranked Diamond Band (Grade A+)** Institution of Academic Excellence, OBE Rankings 2022, by

wiranking.com

**From:** HOD Civil <hod\_civ@presidencyuniversity.in>

**Sent:** Wednesday, May 10, 2023 9:22 AM

**To:** Chancellor <chancellor@presidencyuniversity.in>; Dr. D Subhakar -Vice Chancellor <vicechancellor@presidencyuniversity.in>; Dr. Surendra Kumar A M -Pro-Vice Chancellor - Academics & Examination <pro-vicechancellor@presidencyuniversity.in>; Dean SoE <deansoe@presidencyuniversity.in>; Dr. C S Ramesh-Dean R & D - Academic Research <rameshcs@presidencyuniversity.in>; Dr. Shilpa Mehta -Dean Academics <deanacademics@presidencyuniversity.in>; Director - DSA <directordsa@presidencyuniversity.in>; Dr. Sridhar-COE & Asso.Prof.-SOIS <coe@presidencyuniversity.in>; Sameena Noor Ahmed Panali - Registrar <registrar@presidencyuniversity.in>; Kalaiarasan C-Asso. Dean-CSE <kalaiarasan@presidencyuniversity.in>; Dr. Shrishail Anadinanni-Prof & Asso.Dean-Civil <shrishail@presidencyuniversity.in>; Dean SoM <deansom@presidencyuniversity.in>; Dr. Sandeep S Desai - Dean SoL <deansol@presidencyuniversity.in>; Dean Research & Development <deanresearch@presidencyuniversity.in>; Mrinmoy Biswas - Registrar - Accreditations & Corporate Relations <biswas@presidencyuniversity.in>; Dr. Muddu Vinay -Pro-VC <pro-vc@presidencyuniversity.in>; Dr. Md. Sameeruddin Khan - DeanCSE <deancse@presidencyuniversity.in>; Dr. BV Prabhu- Associate Director placements <assocdir.placement@presidencyuniversity.in>; Dr. Prabhakar Reddy -



Director - Academic Audit <prabhakar.reddy@presidencyuniversity.in>; Dean - Sponsored Research, Presidency University <deansr@presidencyuniversity.in>; Dean Research & Development <deanresearch@presidencyuniversity.in>; Dr. Shakkeera L-Asso.Prof-CSE & Assistant Dean- Academics <shakkeera.l@presidencyuniversity.in>; Sukruth Gowda M A- Senior Scale -SCSE <sukruthgowda@presidencyuniversity.in>; Dr. Divyarani M S-Asso. Prof.-ECE <divyarani@presidencyuniversity.in>  
**Cc:** Divya Nair-Asst. Prof-CIV <divya.nair@presidencyuniversity.in>  
**Subject:** Invitation for inauguration of "Techathon", starting 9:00 AM, F Block Seminar Hall, May 11th 2023

Respected Sir / Madam,

**School of Engineering and School of Computer Science & Engineering and Information Science** cordially invites you to "TECHATHON", a technology-based Hackathon competition, organized by the Department of **ECE, EEE and CIV Engineering**. The event is being conducted on the occasion of National Technology Day, May 11<sup>th</sup>, from 9 am to 3 pm.

The inauguration program is scheduled in F Block Ground Floor Seminar Hall at 9 AM, following which the competition will take place in Innovation Labs (Near S Block). We are happy to note that over 50 teams have registered for the competition.

Poster is enclosed for your kind reference. We humbly request you to join us for the inaugural session and make the program a success.

Thanks for your time and consideration.

Best Regards,  
Dr. Nakul Ramanna,  
Professor and Head  
Department of Civil Engineering  
[Presidency University](http://Presidency University)  
Itagalpur, Rajanakunte,  
Bangalore 560064, Karnataka  
Mobile - +91-9632349550



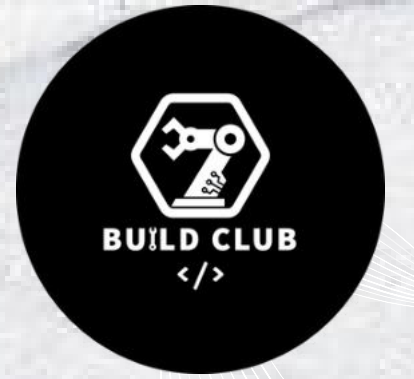
University of the Year in **Placement Excellence** - South by Assocham  
University of the Year in **Innovative Academic Curriculum** – South by Assocham  
**E-Learning Excellence** for Academic Digitisation (E-LEAD) by QS I-GAUGE  
**PROMISING** University by Atal Ranking of Institutions on Innovation Achievement (ARIIA), MoE - Gol  
**Ranked 48** - India's Top Engineering Colleges & Universities 2022 by BW Business World  
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GAIN MORE KNOWLEDGE  
REACH GREATER HEIGHTS

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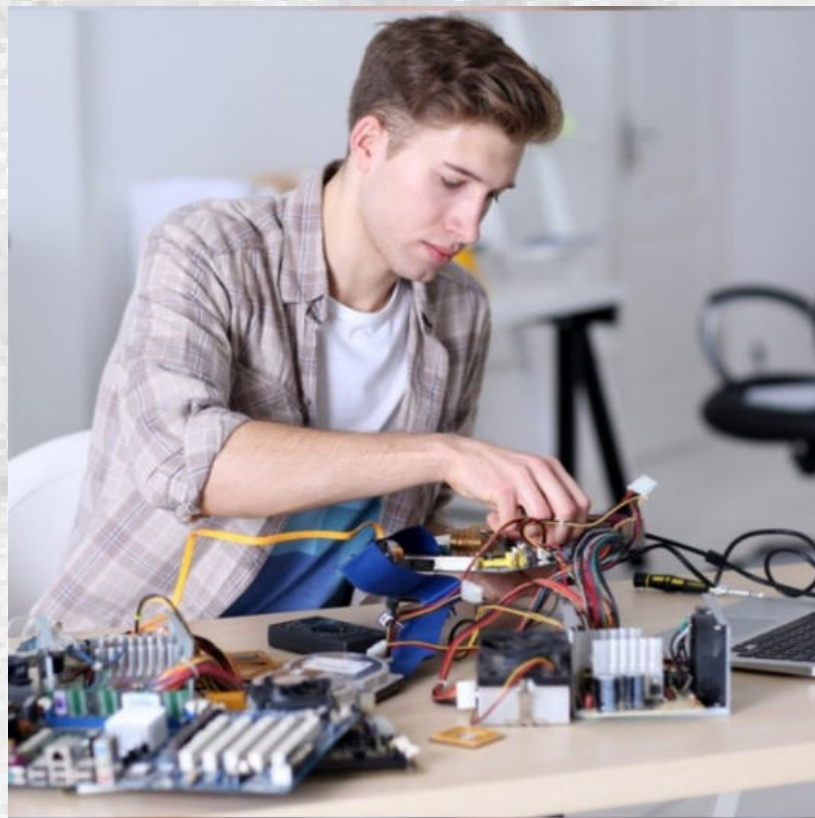


**SCHOOL OF ENGINEERING  
SCHOOL OF COMPUTER SCIENCE & ENGINEERING  
AND INFORMATION SCIENCE**



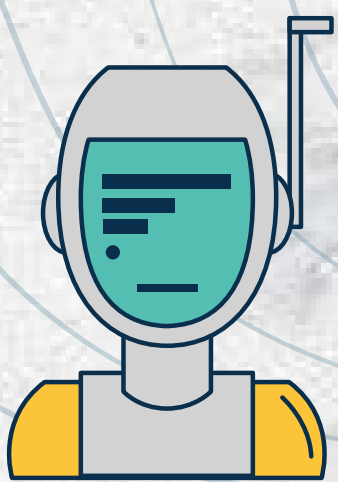
## INNOVATEX BUILD CLUB

On The Occasion of "National Technology Day"  
Department of EEE, CIVIL & ECE Presents



# TECHATHON

**29th April - Workshop  
11th May - Competition**



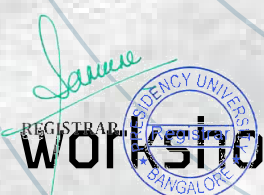
**Student Coordinators:**

**Khaleel H Telsung - 7899809817  
Varshitha Gowda M - 8660038834  
Pavan V - 9741251551  
Charan P - 9880303304  
Abrar Pasha- 7353131471  
Sanketh Kumar - 8197420467**

**CASH PRIZE  
UPTO  
1.5 LAKHS**



Note: Attending workshop is mandatory to participate.  
One mentor for each team is a must.



## SCHOOL OF ENGINEERING

### A brief report on TECHATHON Event

Date: 24-05-2023

The **TECHATHON** event was organized on **National Technology Day** on 11<sup>th</sup> May, 2023 under the event **INNOVATEX** by the departments of **Electrical and Electronics Engineering, Electronics and Communication Engineering and Civil Engineering**. The event aimed to encourage students to create prototypes or models based on the themes of

1. Assistive Technologies in the Healthcare Sector and
2. Smart Technologies in the Agricultural Field.

Total of 15 teams registered for the event.

#### STUDENT CO-ORDINATORS:

1. Varshitha Gowda M
2. Pavan V
3. Abrar Pasha
4. Sanketh Kumar
5. Khaleel H Telsung

Workshop 1 for this event was held on April 29<sup>th</sup> 2023, Mr. Sunil Kumar A V, Dr. Nakul Ramanna, Dr. Divya Rani M S and Ms. Divya Nair conducted the workshop. They provided an overview of the event, discussed the facilities available at the college, and encouraged the participants for an active participation.

Workshop 2, another workshop was held on May 1<sup>st</sup>, 2023 for students who missed the first workshop, covering similar topics.



Figure: Dr. Nakul and team during day 1 of workshop



Figure: Mr. Sunil Kumar discussing Techathon Guidance

  
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## MAIN EVENT

Date: May 11th, 2023

The Inaugural Session of the event scheduled on May 11<sup>th</sup> 2023 at F block seminar hall, 9:00 AM

Ms. Divya Nair welcomed all the dignitaries, faculties and all the jury members and participants. Dr. Divya Rani M S reiterated the event details, shared the regulations, and Dr. Shrishail Anadinni, Associate Dean appreciated and encouraged all the teams who came forward to contribute for the better society. After the inauguration Participants were directed to the **INNOVATIVE LAB** where they were given 6 hours of time to create and present their prototypes.

### JURY MEMBERS FOR THE EVENT:

1. Dr. Kaushika G S (External)
2. Mr Vinay Annappa (External)
3. Dr. Jagadish Godihal (Internal)
4. Dr. Snehaprabha T V (Internal)
5. Dr. Sreenivasappa B V (Internal)



Fig 1: pictures taken during inauguration

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## TEAMS REGISTERED

SI No.	TEAM	TEAM MEMBERS	MENTOR	THEME
1.	<b>Watts of IQ</b>	Vidya Shree Anusha Kushal	Mr. Sunil Kumar A V	Object detection alert technology for the physically disabled
2.	<b>Gesture of Guardians</b>	Abhishek Naresh Vishnu Sudiksha Narayanan	Dr. Divya Rani M S	Assistive technology in the healthcare sector
3.	<b>Aneka</b>	Shivam Kumar R S Preetham Gupta Nandhini SH Ranjitha	Dr. Divya Rani M S	Assistive technology in the healthcare sector
4.	<b>Team Aurora</b>	Nagendra Sachin P Ananda Charan Reddy	Mr. Ravi V Angadi	Smart technology in the agricultural field
5.	<b>Blind Buddy</b>	Masroor Ahmed Jatin Sharma Gauri Nishad Geethanjali	Mr. K Sreekanth Reddy	Assistive technology in the healthcare sector
6.	<b>Team HAAC</b>	Arindam Dutta Harsh Kumar Bansal Ankit Kumar Chetan N	Dr. Ashupsh Anand	Assistive technology in the healthcare sector
7.	<b>Amped Ultras</b>	Mahima Dorcas Pereira Aron George Abraham Nallin Kumar A B Suhas C	Dr. Divya Rani M S	Assistive technology in the healthcare sector
8.	<b>Dristi</b>	Khaleel H Telsung Savitri	Dr. Joshi V Manohar	Assistive technology in the healthcare sector
9.	<b>Techsperts</b>	Manthu Nandhini Hemant Pandit Tejashwini Patil Bhuvan B U	Dr. Joshi V Manohar	Assistive technology in the healthcare sector

  
REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE

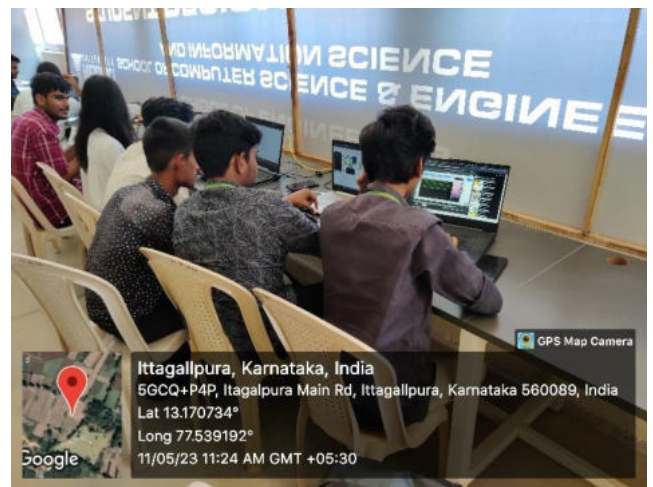


figure: team HAAC

figure: Team BlindBuddy

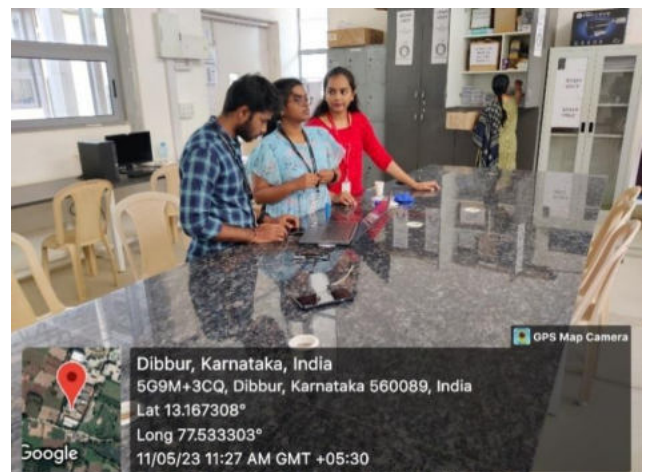


figure: Watts of IQ

figure: Techsperts



**figure: Team Aurora**



**figure: Jury with our Convenors**

Each team was evaluated in two rounds by all jury members.

**Evaluation criteria:** Idea implementation, design, and commercial potential. Team presentations started at 3:00 PM. Marks were awarded based on the evaluation criteria. The winner is yet to be announced, and the announcement will be made on the valedictory day, May 27<sup>th</sup>, 2023.

The TECHATHON event witnessed enthusiastic participation from students across the departments of EEE, ECE, and CIVIL. The prototypes developed by the nine teams showcased innovative solutions in the fields of assistive technologies in healthcare and smart technologies in agriculture. The anticipation for the winner's announcement on the valedictory day adds to the excitement and enthusiasm surrounding the event.

finally, the event was concluded at 4:00 PM

**Faculty Coordinators.**

1. Mr. Sunil Kumar A V - Asst. Prof, Dept. of EEE
2. Ms. Divya Nair – Asst. Prof, Dept. of Civil

**Coordinators.**

1. Dr. Nakul Ramanaa- HoD-CIVIL
2. Dr. V Joshi Manohar – HoD-EEE

*Divya Nair*  
Convener

*[Signature]*  
Associate-Dean-SoE  
School of Engineering, Presidency University  
Bangalore - 560 064.

*[Signature]*  
Dean-SoE  
25/5/23  
Presidency University  
Bangalore- 560064



# Flyer



GAIN MORE KNOWLEDGE  
REACH GREATER HEIGHTS

# PRESIDENCY UNIVERSITY



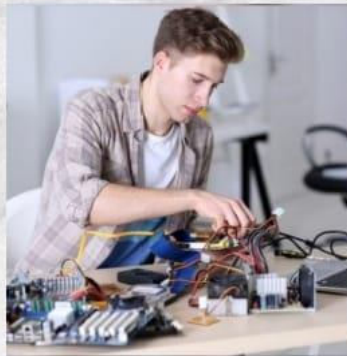
**SCHOOL OF ENGINEERING  
SCHOOL OF COMPUTER SCIENCE & ENGINEERING  
AND INFORMATION SCIENCE**



## INNOVATEX

BUILD CLUB

On The Occasion of "National Technology Day"  
Department of EEE, CIVIL & ECE Presents



# TECHATHON

**29th April - Workshop  
11th May - Competition**



**Student Coordinators:**

Khaleel H Telsung - 7899809817  
Varshitha Gowda M - 8660038834  
Pavan V - 9741251551  
Charan P - 9880303304  
Abrar Pasha - 7353131471  
Sanketh Kumar - 8197420467

**CASH PRIZE  
UPTO  
1.5 LAKHS**



Note: Attending workshop is mandatory to participate.  
One mentor for each team is a must.

**Re: Humble request to depute Dr Suresh Babu sir as a Jury member/Industry Expert for School of Engineering Project Expo on 5-06-2023-Reg**

SURESH BABU VENKATESAN <vsuresh.npti@gov.in>

Tue 5/30/2023 9:33 PM

To:HOD EEE <hod\_eee@presidencyuniversity.in>

Cc:SANJAY D PATIL <sanjay.npti@gov.in>

Sir,

Thank you for the Invitation. I am confirming my availability as a resource person for the said project expo on 05.06.2023 at Presidency University, Bangalore. I would appreciate knowing the program's timing so I can plan my schedule accordingly.

---

**From:** "hod\_eee" <hod\_eee@presidencyuniversity.in>

**To:** "SURESH BABU VENKATESAN" <vsuresh.npti@gov.in>

**Sent:** Sunday, May 28, 2023 4:10:11 PM

**Subject:** Fwd: Humble request to depute Dr Suresh Babu sir as a Jury member/Industry Expert for School of Engineering Project Expo on 5-06-2023-Reg

Dear sir,

Good afternoon. Kindly find the trailing mail which I have sent to the Director.

Regards

Dr Joshi

Sent from my iPhone

Begin forwarded message:

**From:** HOD EEE <hod\_eee@presidencyuniversity.in>

**Date:** May 28, 2023 at 3:05:33 PM GMT+5:30

**To:** sanjay.npti@gov.in

**Cc:** suresh.npti@gov.in

**Subject: Humble request to depute Dr Suresh Babu sir as a Jury member/Industry Expert for School of Engineering Project Expo on 5-06-2023-Reg**

Respected sir,

Greetings of the Day from Presidency University, Bengaluru!!!

We are very honored to introduce ourselves to you as Department of Electrical and Electronics Engineering, School of Engineering, Presidency University, Bengaluru. We are one of the most renowned Institutes for higher Education in India. Presidency University is a constituent of the Presidency Group of Institutions [PGI], which has and continues to be active for more than a decade and half in higher education.

We are happy to inform that School of Engineering, Presidency University will be organizing a **Project Expo** on **05-06-2023** Monday at Presidency University, Bangalore where the students will be presenting the working models as a part of University Project. **In this regard, as per the suggestions of Honorable Vice Chancellor**, industrial experts are to be invited as a jury member for the fair and transparent evaluation and also to provide constructive suggestions. In line to this, I strongly believe **Dr Suresh Babu sir** would be one amongst the well-known in the area of your specialization and expertise. I am sure that he will be the suitable person for the invitation.

Hence, I humble request you to depute Dr Suresh Babu sir as a Jury member for the Project Expo on 05-06-2023 at Presidency University, Bangalore. I would like to express my thanks in advance.



Thanks & Regards

**Dr. Joshi Manohar V**

B.Tech., M.Tech., Ph.D.,SMIEE., MISTE., FIE.

**Professor & HoD**

**Department of EEE,**

Presidency University

Itgalpura, Rajankunte,

Yelahanka, Bangalore - 560 064

Mobile: +91 9912376009

--

Kindly Regards

Dr V Suresh Babu  
Assistant Director

NPTI (PSTI) | Ministry of Power | Govt. of India

BSK II Stage, PB No. 8201, Yarab Nagar Bus Stop, Bangalore 560070

Mob : +91 9886441203 |Tel : +91 80 26934354 (O) |Fax :+91 80 26713758 (O)

Web : [www.npti.gov.in](http://www.npti.gov.in) & [www.npti.gov.in/npti\\_psti\\_bangalore](http://www.npti.gov.in/npti_psti_bangalore)

Mail : [sureshbabu27@gmail.com](mailto:sureshbabu27@gmail.com) & [vsuresh.npti@gov.in](mailto:vsuresh.npti@gov.in)

  
REGISTRAR 



**PRESIDENCY**  
UNIVERSITY



## **SCHOOL OF ENGINEERING**

*Cordially invites you to*

# **PROJECT EXPO 2023**

*on*

**Monday, 05 June 2023**

**9:00 AM to 4:00 PM**

**Project Exhibition and Presentation by  
Final Year Students of**

**Department of Civil Engineering**

**Department of Electrical & Electronics Engineering**

**Department of Electronics & Communication Engineering**

**Department of Mechanical Engineering**

**Department of Petroleum Engineering**

**GUESTS OF HONOUR & INDUSTRY EXPERT EVALUATORS**

**Mr. Lakshmikantha B A**

Head - Structural Designs,  
Sundaram Architects Pvt. Ltd.

**Dr. V Suresh Babu**

Assistant Director,  
NPTI - PSTI, Ministry of Power

**Dr. Jagannadham Dulipala**

Senior Solutions Architect,  
Hewlett Packard Enterprise and  
Chair, IEEE ITS Society, Bangalore

**Mr. Hanume Gowda B H**

Manager (Design),  
Rotary Wing Design & Research Centre  
Hindustan Aeronautics Limited (HAL)

**Mr. Rituraj Singh**

Cost Estimating Engineer,  
Shell Project and Technology Center, Bangalore





**PRESIDENCY  
UNIVERSITY**



## **SCHOOL OF ENGINEERING**

### **CHIEF PATRON**

**Shri. Nissar Ahmed**

Hon'ble Chancellor, Presidency University

### **PATRONS**

**Dr. D Subhakar**

Vice Chancellor

**Dr. Surendra Kumar A M**

Pro-Vice Chancellor

**Dr. Muddu Vinay**

Pro-Vice Chancellor

**Ms. Sameena Noor Ahmed Panali**

Registrar

**Mr. Mrinmoy Biswas**

Registrar - Accreditations & Corporate Relations

### **ADVISORY COMMITTEE**

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**Dr. C S Ramesh**

Dean - Research & Development

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Director - Academic Audit

**Dr. S Sivaperumal**

Dean - Sponsored Research & Director - International Relations

**Major General Gurudeep Narang**

Dean - Student Affairs & Chief Proctor

**Dr. Mohammed Sameeruddin Khan**

Dean - School of CSE & IS

### **CONVENOR**

**Dr. Abdul Sharief**

Dean, School of Engineering

### **CO-CONVENER**

**Dr. Shrishail B Anadinni**

Associate Dean, School of Engineering

### **ORGANIZERS**

**Dr. Rajiv Ranjan Singh**

Professor & Head, Dept. of Electronics & Communication Engineering

**Dr. V Joshi Manohar**

Professor & Head, Dept. of Electrical & Electronics Engineering

**Dr. Satish Babu Boppana**

Professor & Head, Dept. of Mechanical Engineering

**Dr. Nakul Ramanna**

Professor & Head, Dept. of Civil Engineering

**Dr. Suman Paul**

Professor & Head, Dept. of Petroleum Engineering

### **PROJECT COORDINATORS**

**Dr. Veena C S**

Professor, Dept. of ECE

**Dr. Madhavi T**

Associate Professor, Dept. of CIV

**Dr. Kalpajit Hazarika**

Assistant Professor - Senior Scale, Dept. of PET

**Dr. Jisha L K**

Assistant Professor - Selection Grade, Dept. of EEE

**Mr. Dayalan J**

Assistant Professor, Dept. of CIV

**Dr. Gowri K**

Assistant Professor, Dept. of ECE

**Mr. Tirumala Vasu G**

Assistant Professor, Dept. of ECE

**Ms. G Swetha**

Assistant Professor, Dept. of ECE

**Ms. Samreen Fiza**

Assistant Professor, Dept. of ECE

**Ms. Ashwini B**

Assistant Professor, Dept. of ECE

**Ms. Aruna M**

Assistant Professor, Dept. of ECE

**Mr. V V S Vijaya Krishna**

Assistant Professor, Dept. of ECE

**Mr. Kunwar Chandra Singh**

Assistant Professor, Dept. of MEC

**Mr. Gopalakrishnan N**

Assistant Professor, Dept. of CIV



# PRESIDENCY UNIVERSITY

Presidency University Act, 2013 of the Karnataka Act No. 41 of 2013 | Established under Section 2(f) of UGC Act, 1956  
Approved by AICTE, New Delhi



## ***A REPORT ON***

## ***PROJECT EXPO-2023 CONDUCTED ON 5<sup>TH</sup> June 2023***

A project exhibition cum evaluation of final year students was conducted on June 5 2023 in EEE department. The program began with the inaugural function at 10 am in F block seminar hall in the presence of Dr. Surendra kumar, Pro vice chancellor, Academics and admissions ,Dr. Abdul Sharief, Dean SoE and Dr.Shrishail B. Anadinni Associate Dean SoE, Dr. Siva Perumal, Director, International affairs. The external jury member from industry was Dr. V SURESH BABU, Assistant Director, NPTI – PSTI Ministry of Power who evaluated the student’s project was also present.

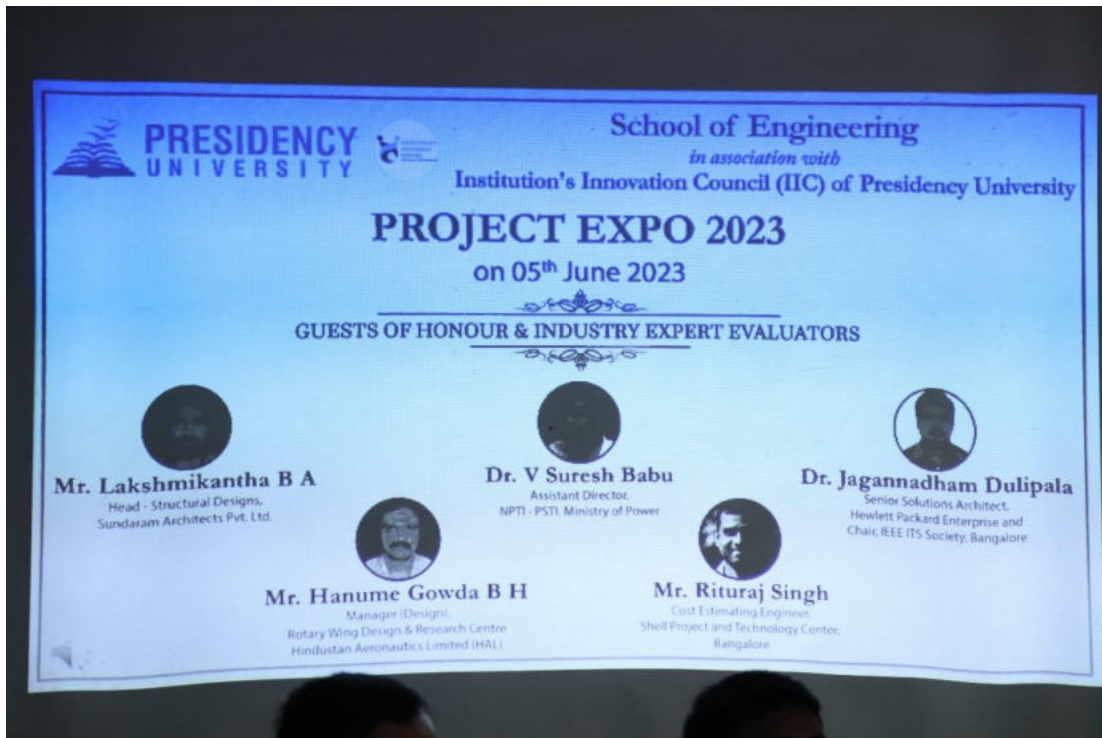


Fig.1. Welcome Slide of External Experts





Fig.2. All the students listening to experts about the importance of expo

All faculties and some of the students were present in the inauguration function. The inauguration got over by 11 am followed by snacks for all the coordinators and guests.

After the inauguration function, students were moved to Electrical Machines Lab which is in F block ground floor for the project display.

After the inauguration the evaluation of the project started around 11:30 by our external industry expert Dr.Suresh Babu.

Details of the external jury member is below

Associated as All India “Power System Operators” co-ordinator and involved as a “Power System Operation” trainer for Load Despatch Engineers across the country, since 2010.

• Involved in certifying the System Operators from various Load Despatch Centers across the country for the following areas of expertise...

- Power System Operation
- Power System Reliability
- Renewable Energy Sources & Grid Integration
- Regulatory Framework in Power Sector
- Power System Logistics (Automation)
- Power Market Specialist

- Involved in testing of Relays like Electromechanical, Solid state and Numerical Relays and that includes the following protection schemes - Bus Bar Protection, Transformer Protection, Generator Protection, Line Protection, etc.

The expert along with Dr. V Joshi Manohar, HoD of EEE have given the instructions to students and the evaluation process started at 11:40 am. All the students explained their project with lot of interest and enthusiasm. All the project guides were present along with their project students. A total of 13 batches were present along with their poster presentation in the machine lab.

Each project batch consists of 3-5 students. Contribution from all the members for the completion of the project is equal, so all the students divided the presentation and explained in front of the jury member.

6 batches were assigned to a faculty in charge Dr. Sumit Kumar Jha along with external expert to review the project novelty and their contribution toward it for evaluating at industry level. Another 7 batches were assigned to a faculty in charge Ms. Piranha Ray along with industry expert. Each section was headed by a university coordinator Mr. Sunil Kumar A V who is responsible for all the project batches of that section. Each section in general and each batch in particular is given a specific place to exhibit their project. All the students exhibited their project in the allotted place and some of the pictures which were taken during the evaluation process are given below.

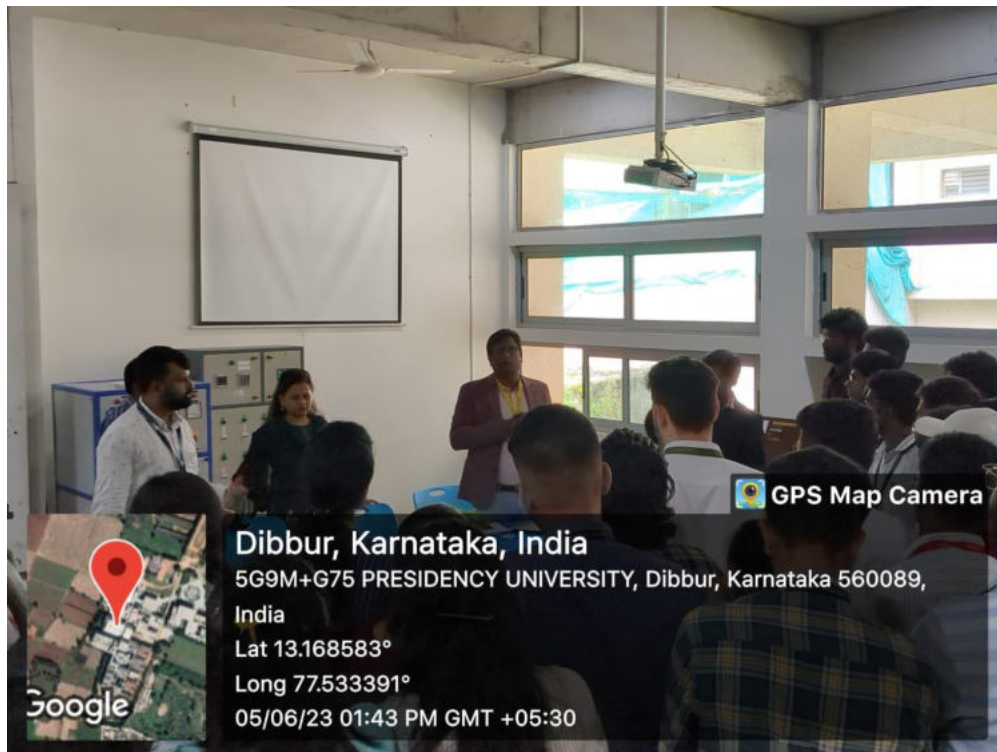


Fig.3. Project judge discussing about job opportunities in power sector



Fig.4. HoD-EEE wishing all the students for project exhibition



Fig.5. Photo after the evaluation of student project

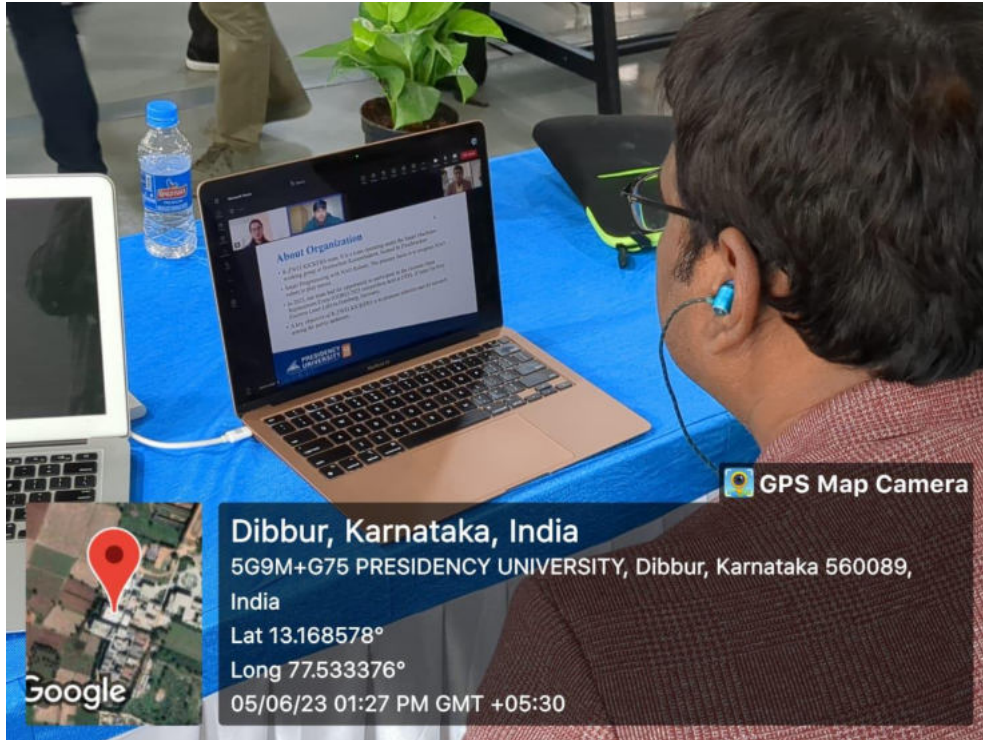


Fig. 6. Expert evaluating the Germany Research Internship batch in online mode



Fig. 7. Students explaining the project to Associate Dean, SoE.

Above pictures shows the enthusiasm and interest of the students to showcase their project. Students are clarifying the issues raised by the external jury. Five project mates are seen with the guide.

All the students show cased their talents with great interest and enthusiasm. The external jury member was impressed by the student's performance. External jury member gave some useful tips.

*Sonal Jyoti*  
 REGISTRAR  
 PRESIDENCY UNIVERSITY  
 BANGALORE

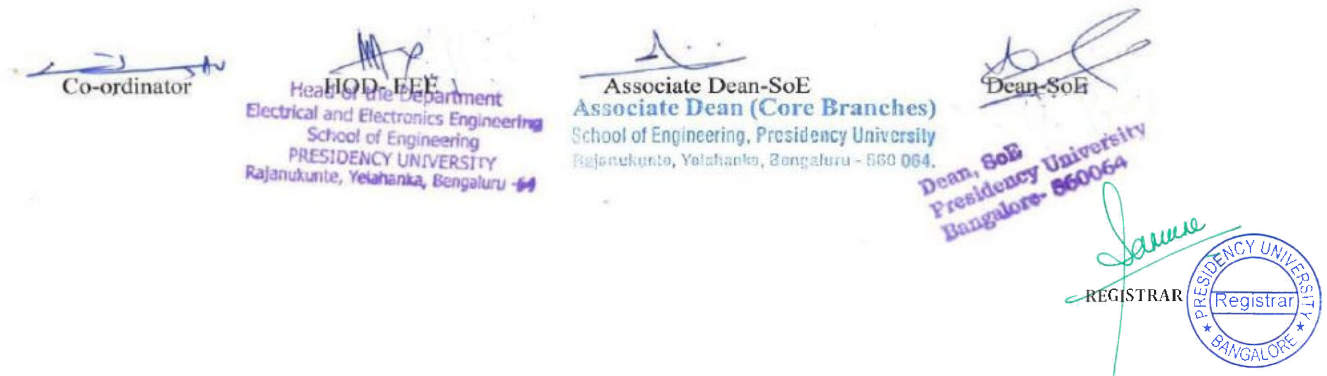
to improve the project. He also gave the tips how to commercialize some of the ideas. Since he is a IEEE senior member, he advised students to apply for funding from IEEE. He also shared some contact details of senior IEEE students and asked them to contact to get more information.

All the projects were evaluated out of 200 marks as per the division shown below. To create interest among the students continuous evaluation of the project was introduced. Three reviews were conducted. First two reviews were evaluated for 20 marks and the third review for 160 marks. The format of the evaluation sheet is shown below.

Project evaluation got over by 3:30pm and valedictory function was arranged in F block seminar hall. One group among the all the groups were given first prize, those who are doing their research internship at Germany for the project titled Robotics and AI- Robot Soccer.



Fig.8. Group photo of 2019-23 batch with Faculty members after the project expo





## School of Engineering Department of Electrical & Electronics Engineering

UP-II Project - AY 2022-2023 Winter Semester

Project Exhibition -2023- Attendance Sheet

5th June 2023

Sl. No	ID. No	Name of the Students	Attendance
1	20191EEE0015	MANDADI KARTHIKEYAN REDDY	PRESENT
2	20191EEE0039	SANKET VIJAY KUMAR KAMBLE	PRESENT
3	20191EEE0052	YASHWANTH N	PRESENT
4	20201LEE0002	SUBHAJIT BISWAS	ABSENT
5	20191EEE9003	SRINIVAS K	PRESENT
6	20201LEE0009	BHARATHKUMAR S	PRESENT
7	20191EEE0059	SHABBEER AHMAD MUJAVAR	PRESENT
8	20191EEE0049	VARSHA B N	PRESENT
9	20191EEE0031	PRUTHVIRAJ D KUDACHI	PRESENT
10	20191EEE0035	SAGAR B	PRESENT
11	20191EEE0010	EASHWAR V	PRESENT
12	20201LEE0008	SUMAN V	PRESENT
13	20191EEE9001	PRANEETH MADHAVAN	PRESENT
14	20191EEE0024	NAVYA SHREE M	ABSENT
15	20191EEE0046	SOURODIPTTO MONDAL	ABSENT
16	20191EEE0057	ZAID AHMED ZAUED HAMADAH	PRESENT
17	20191EEE9002	KIRAN MANOJ	ABSENT
18	20191EEE0042	SHARANYA P C	PRESENT
19	20191EEE0053	RAHUL RAMESH PAMMAR	PRESENT
20	20201LEE0007	ASHWIN S	PRESENT
21	20201LEE0005	SUHEBAHAMED BALAGANUR	PRESENT
22	20191EEE0025	P ABHINAV	PRESENT
23	20191EEE0013	KOTHAKOTA JAI RAMAKRISHNA	ABSENT
24	20191EEE0012	KOMALA M E	ABSENT
25	20201LEE0006	VINUTH GOWDA R	PRESENT
26	20201LEE0010	MOHAMMED JAVED	PRESENT
27	20191EEE0019	MOKA ABHINASH	PRESENT
28	20191EEE0030	PRATHVIRAJ	PRESENT
29	20191EEE0034	S R METHESWAR	PRESENT
30	20191EEE9006	MOHAMMED ZUHAIB	PRESENT
31	20191EEE0026	PERAM BHARGAV REDDY	PRESENT

*[Handwritten Signature]*  
REGISTRAR



32	20191EEE0028	PRAJWAL HOSAMANI	PRESENT
33	20191EEE0006	ASHISH SINGH BHUMIJ	ABSENT
34	20191EEE0029	PRAJWAL T R	PRESENT
35	20191EEE0051	YASHASH N	PRESENT
36	20191EEE0001	ABHISHEK C	PRESENT
37	20191EEE0023	NAVYA N	PRESENT
38	20191EEE0037	SANJAY B	PRESENT
39	20191EEE0032	R S SHARUKH	PRESENT
40	20191EEE0017	MOHAMMAD ZAID FAROOQ	PRESENT
41	20201LEE0004	PRAVEEN M	PRESENT
42	20191EEE0009	DOKLA GHOUSE	PRESENT
43	20191EEE0011	KEERTHANA B R	PRESENT
44	20191EEE0050	YARRABALLI NAVEEN	PRESENT
45	20191EEE0033	ROSHAN S	PRESENT
46	20191EEE0060	NAVEEN NELSON W	PRESENT
47	20191EEE0022	NANDA KISHORE KIRAN DESHPANDE	PRESENT
48	20191EEE0045	SIVA PRASAD L	PRESENT
49	20191EEE0044	SHWETHA N	PRESENT
50	20191EEE0004	ARUN S	PRESENT
51	20201LEE0011	GIRISH REDDY MAMILLA	PRESENT
52	20191EEE0040	SAPNA N	PRESENT
53	20191EEE0008	BINDHU D	PRESENT
54	20191EEE0036	SAMBHRAM P TAILANG	PRESENT
55	20191EEE0038	SANJAY P	PRESENT
56	20191EEE0003	ANUSHA M JOLAD	PRESENT
57	20191EEE0016	MOHAMMAD JAMEEL	PRESENT
58	20191EEE0058	TOUFEEQ	PRESENT
59	20191EEE0041	SHAIK MUNEER	PRESENT
60	20191EEE9005	BARU V S TRIPURA MADHU DHEERAJ	PRESENT
61	20191EEE0047	SRINIDHI R	PRESENT
62	20191EEE0014	KRUTHIKA R	PRESENT
63	20191EEE0005	ASFIYA AAZIM	PRESENT
64	20191EEE0018	MOHAMMED NOORUDDIN ASRAR	PRESENT

  
**Dr V Joshi Manohar**  
 Head of the Department  
 Electrical and Electronics Engineering  
 School **HOD in EEE**  
 PRESIDENCY UNIVERSITY  
 Rajanahalli, Yeshwanthpur, Bengaluru -64  
  
 REGISTRAR  




# PRESIDENCY UNIVERSITY

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

05/06/2023


## LETTER OF APPRECIATION

On behalf of the Department of Electrical & Electronics Engineering, Presidency University, Bangalore, I would like to express heartfelt appreciation to **Dr. V Suresh Babu, Assistant Director, NPTI - PSTI, Ministry of Power, for acting as a “Judge” for “Course based Project Expo” on 5th June 2023, at Presidency University, Bangalore.**

Thank you for volunteering your services, we appreciate you for reaching, in spite of your busy schedule. Overall the participants though that you were fair in analyzing and were particularly struck by your attentiveness in judging each and every project.

Once again, thank you for making the event successful and I expect your continuous support in future too

Sincerely

  
**Dr V Joshi Manohar**  
Head of the Department  
Electrical and Electronics Engineering  
School HOD in EEE  
PRESIDENCY UNIVERSITY  
Rajankunte, Yelahanka, Bengaluru -64

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

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

Phone: + 80 4925 5533 / 5599 Email ID: [info@presidencyuniversity.in](mailto:info@presidencyuniversity.in)

[www.presidencyuniversity.in](http://www.presidencyuniversity.in)

