



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (UGC-AUTONOMOUS)

Affiliated to JNTUA, Anantapuramu & Approved by AICTE, New Delhi
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Report

Alumni Guest Lecture

On

“From the Classroom to the Workforce: Charting Your Path in Electrical Engineering”

Organised by

Department of Electrical & Electronics Engineering

Date: 08.05.2025

Time: 10.00 AM

Venue: WB220 (Virtual)

Organized in association with: Alumni Welfare Association, MITS-Madanapalle & IIIC.

Submitted by: Mr. M. Venkatesh, Dept. Alumni Coordinator & Assistant Professor, Dept. of EEE

Attendance: 49 participants including faculty.

Faculty attended:

- | | |
|-----------------------|--------------------------------|
| 1. Dr A V Pavan Kumar | - HoD/EEE |
| 2. Mr. M. Venkatesh | - EEE Dept. Alumni Coordinator |
| 3. Dr.R.Kiran Kumar | -Alumni Relationship Officer |

Resource Person:

Mr. K. Manideep (Batch: 2020–2023)

Associate Software Development Engineer, **JUSPAY**, Bengaluru, Karnataka, India

Students Attended: EEE: 46

Venue: WB220

The virtual alumni guest lecture commenced at 10:30 AM with a formal welcome by **Dr. A. V. Pavan Kumar**, Professor and Head of the Department of EEE. He emphasized the importance of continuous learning, industry readiness, and the role of alumni as mentors for current students.

Mr. M. Venkatesh, Assistant Professor/EEE and Alumni Coordinator, introduced the resource person, **Mr. K. Manideep**, a recent graduate of MITS-EEE who has transitioned successfully into the software industry.

Mr. Manideep began his talk by expressing his heartfelt gratitude towards the faculty and institution for nurturing his academic and personal growth. He then delved into his experiences moving from academic studies to a corporate software development environment. His session, themed **“From the Classroom to the Workforce: Charting Your Path in Electrical Engineering”**, was both motivational and informative, covering key areas:

1. Shifting Mindset: From Academics to Industry
 - Emphasized the **contrast** between academic goals (grades) and industry expectations (problem-solving, adaptability, and innovation).
 - Urged students to embrace creativity, collaboration, and independent learning as key to professional success.



2. Leveraging AI Tools in Electrical Engineering

- Introduced AI tools like ChatGPT, GitHub Copilot, Notion AI, and Edge Impulse.
- Explained how these tools enhance productivity in coding, planning, documentation, and embedded system development.
- Stressed AI's dual role: enhancing academic simulations and real-world industry forecasting/analysis

3. Industry-Related Technical Skills

He encouraged students to build competency in the following tools and languages:

- MATLAB/Simulink – for modeling and simulations
- KiCad / EasyEDA – for PCB design
- Embedded C / Python – for microcontroller programming
- PLC Programming – for industrial automation
- Proteus – for virtual circuit testing

These skills were cited as essential for both core and interdisciplinary roles.

4. Project Development & Portfolio Building

Shared a simple pipeline: **Identify a problem** → **Validate** → **Build** → **Share on GitHub**

Highlighted project ideas:

- Smart Water Level Controller with IoT
- Solar Usage Monitor
- AI-based Home Security
- PLC-Based Automation Projects

Demonstrated how showcasing such projects improves **resume quality** and **interview confidence**.

5. Career & Networking Strategy

- Shared a **model technical resume format** with emphasis on tools, projects, certifications, and clean design.
- Encouraged the audience to take up a **30-day challenge** to improve one area using AI and share work online for feedback.

Program outcome:

1. Awareness Boosted: Students learned how industry demands are changing and how to stay relevant.
2. Technical Direction: Understood the importance of AI integration in Electrical Engineering.
3. Skill Empowerment: Clear guidance on which tools and platforms to master during UG.
4. Confidence & Inspiration: The talk instilled a strong belief that with the right mindset and tools, success is attainable.

The session concluded with a vote of thanks proposed by **Mr. M. Venkatesh**, who acknowledged the invaluable contribution of Mr. K. Manideep and expressed gratitude to the management, principal, HoD, organizing team, and all attendees for their support and participation in making the session a success.



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Photos:

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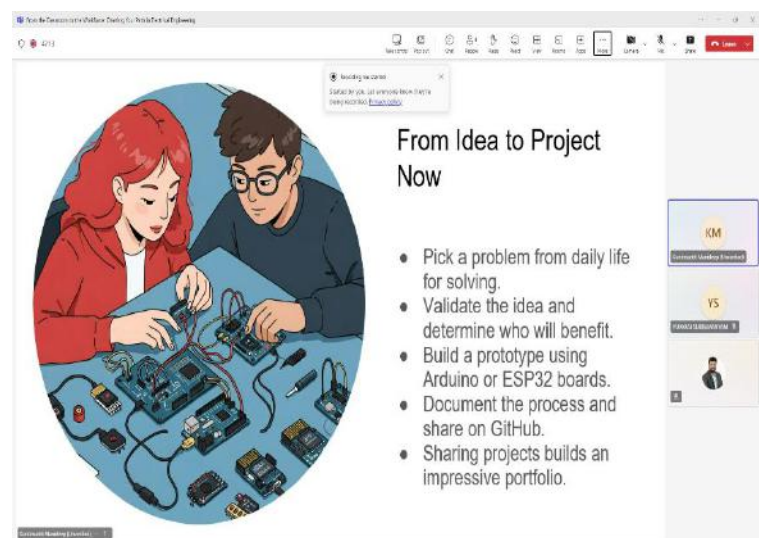
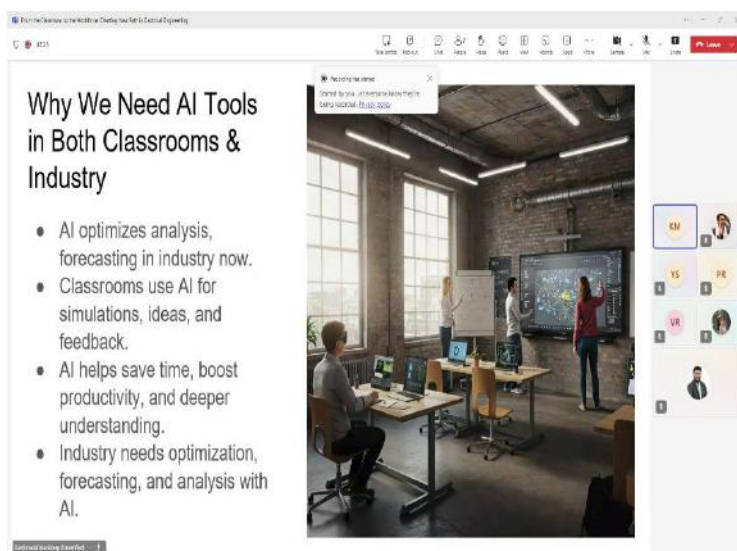
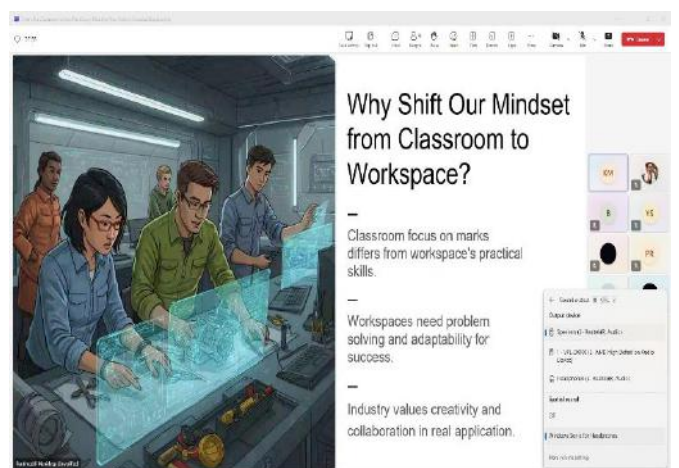
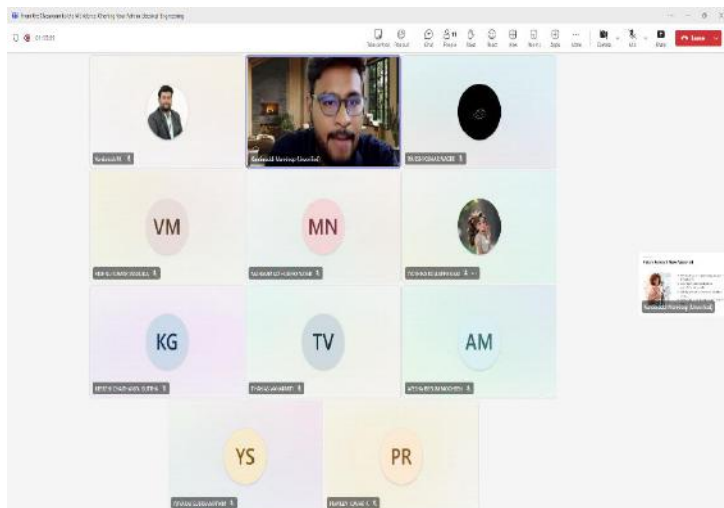
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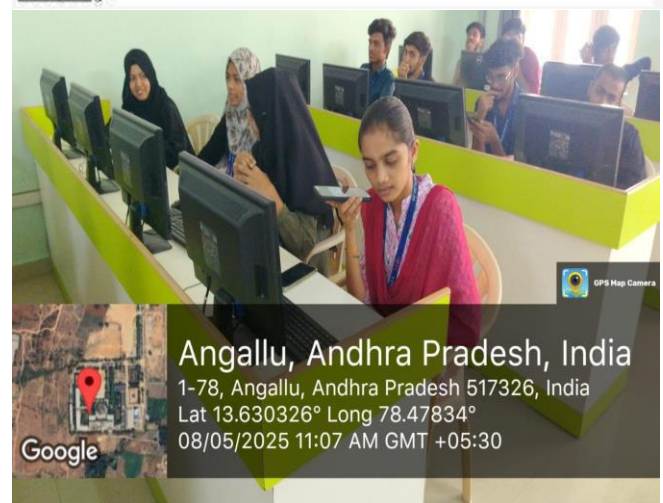
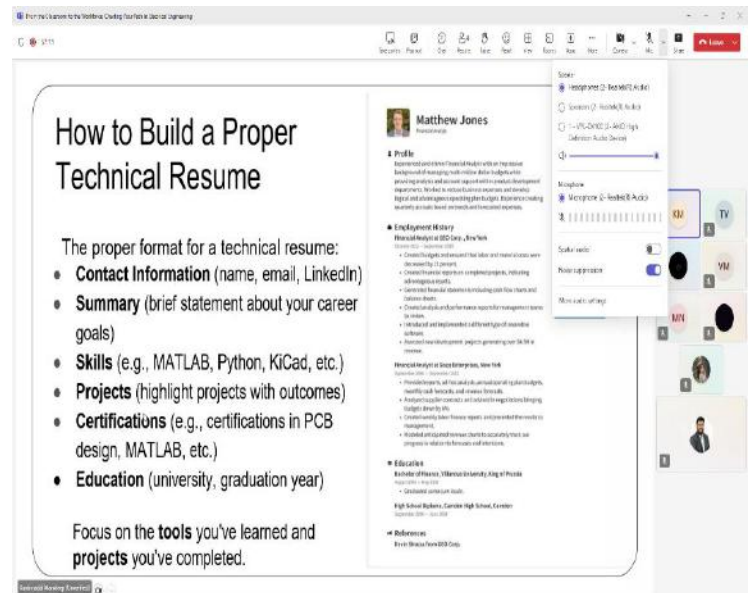
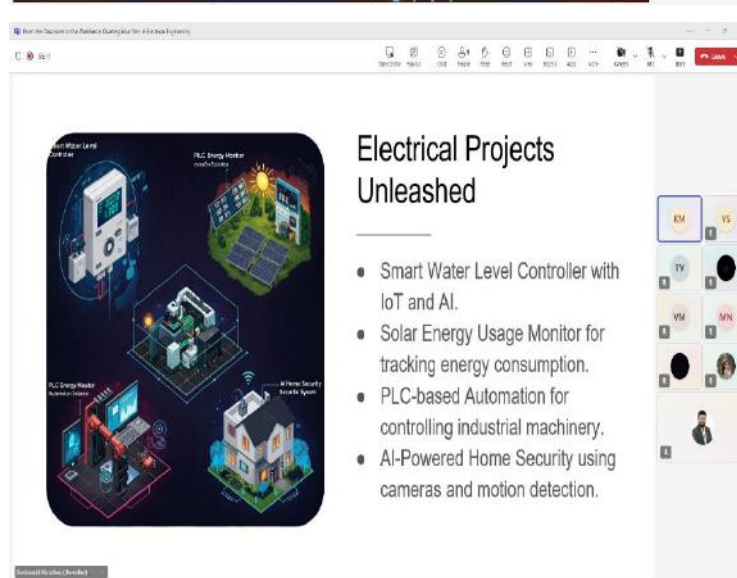
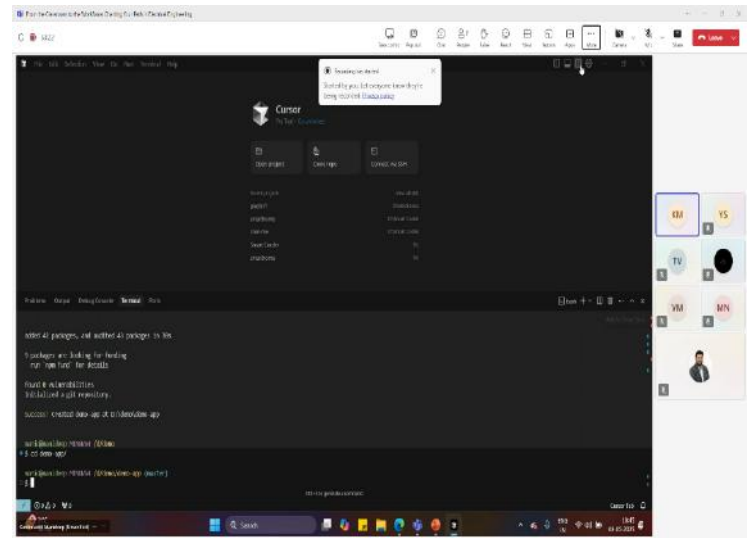
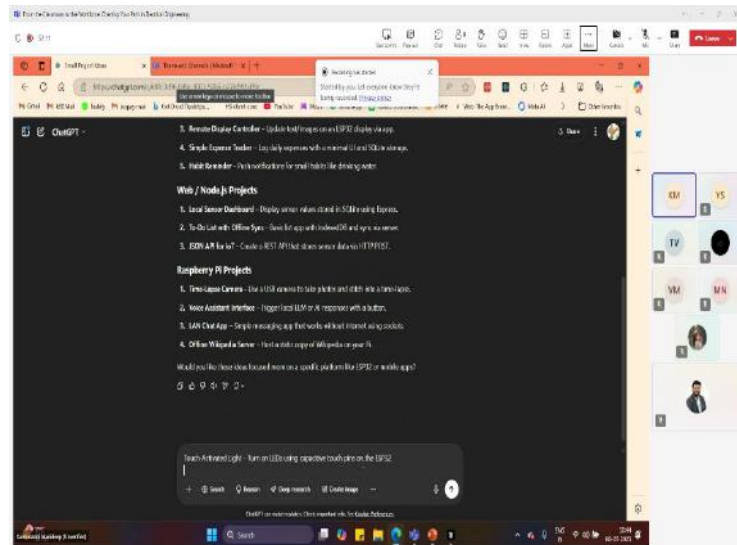
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Resource Person
Mr. K. Manideep (Batch 2020 - 2023)
Associate Software Development Engineer
JUSPAY, Bengaluru, Karnataka, India

Chief Patron: Dr. N. Vijaya Bhaskar Choudhary, Secretary & Chancellor
Patron: Mrs. Anuradha Nandini, Executive Director
Program Chair: Dr. C. Varadraj, Principal
Chief Guest: Dr. A.P. VANITHA, Professor at Head (H.O.)
Convener: Dr. M. V. Venkata, Associate Professor (ECE)
Guest Relations Officer: Dr. R. Srida Sridhar, Assistant Professor (ECE)

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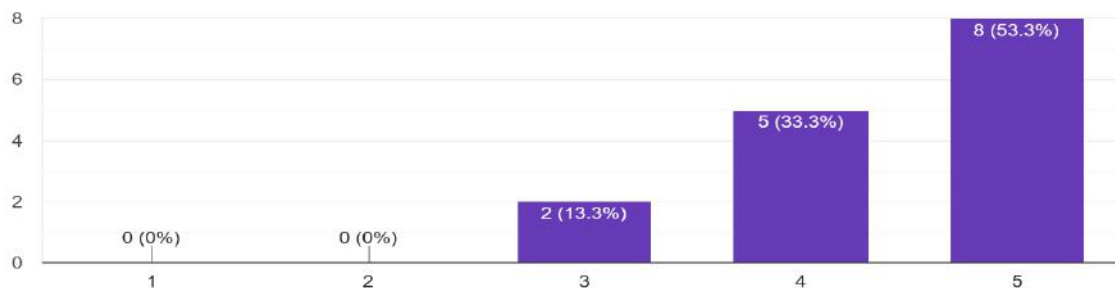
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Feedback:

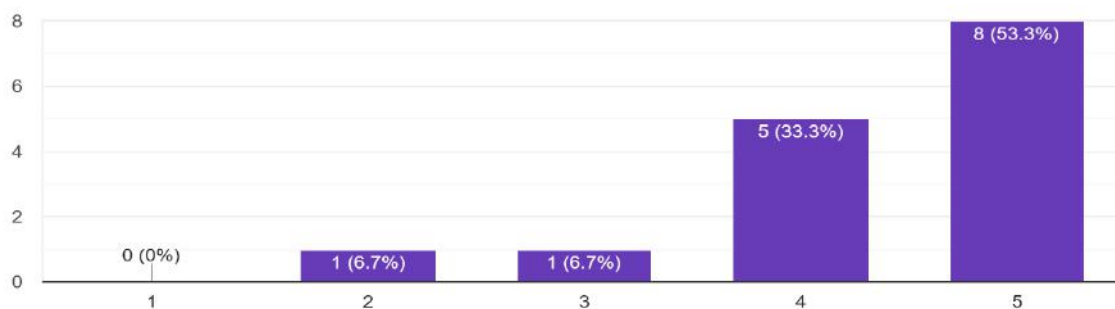
1. The interactive session was scheduled at a suitable time

15 responses



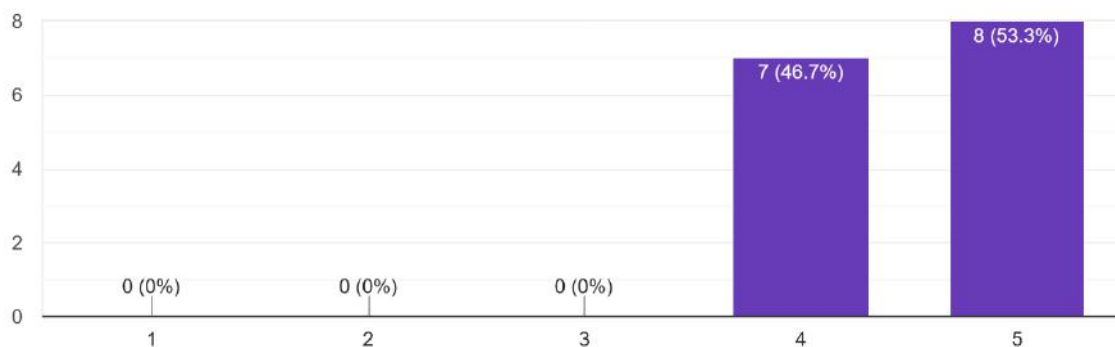
2. The interaction was useful and resource person explanation.

15 responses



3. The information in the interaction was presented in a clear and organized manner.

15 responses





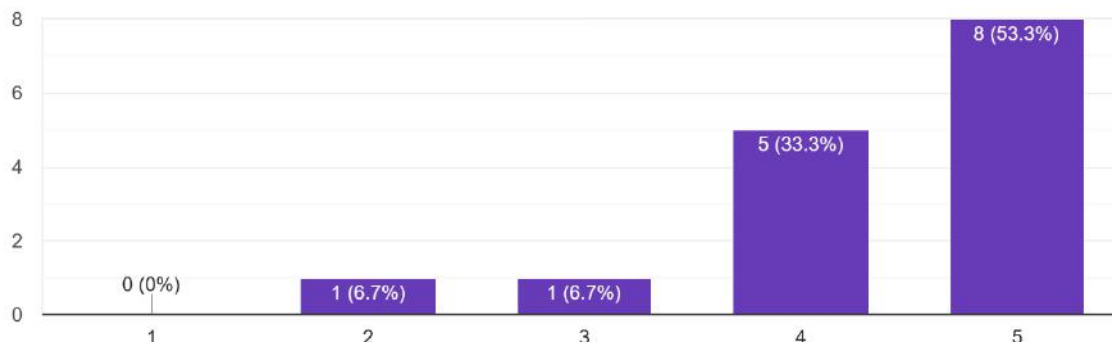
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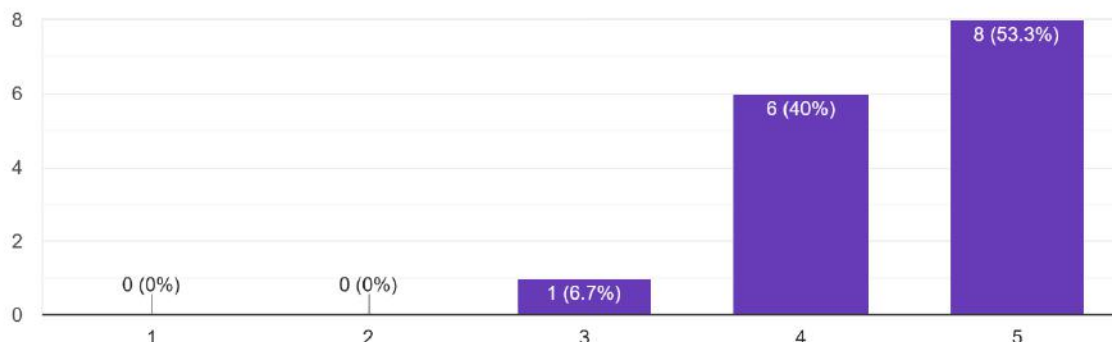
4. The presenter responded to questions in an informative, appropriate and satisfactory manner.

15 responses



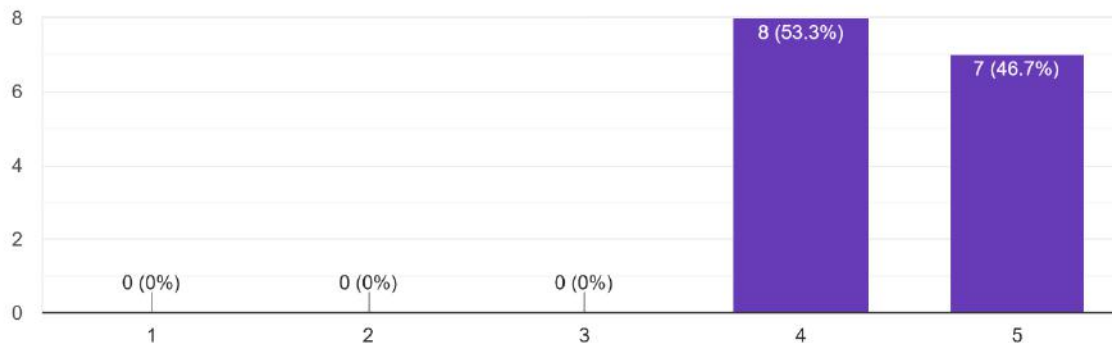
5. your impression of facilities provided by the institute for interaction.

15 responses



6. Overall, the session was informative and valuable.

15 responses





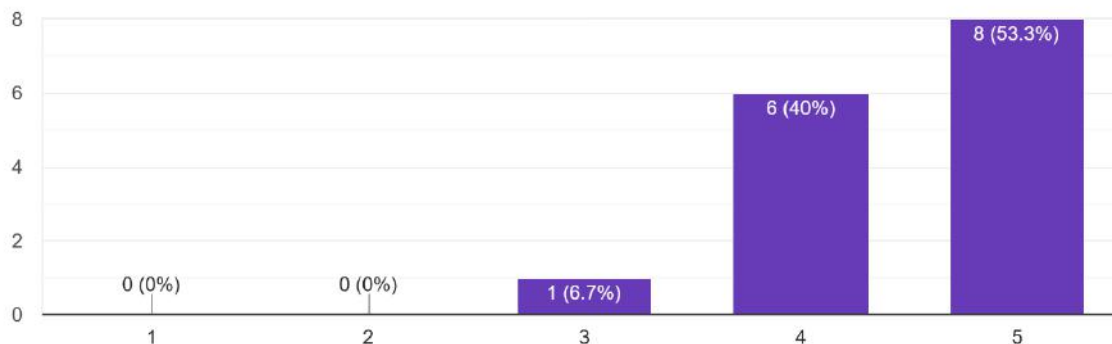
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7. In what ways could this interaction have been improved to better suit your needs?

15 responses



Signature of the Coordinator

Signature of HoD, EEE