MALINENI LAKSHMAIAH
WOMEN'S ENGINEERING COLLEGE

Approved by AICTE, New Delhi, Affiliated to JNTUK, Kakinada : : Accredited by "NBA" for our CSE & ECE and NAAC A+ Grade

Pulladigunta (V) Vatticherukuru (M), Guntur (Dist.)

ESTD : 2008

NBA NATIONAL BOARD of ACCREDITATION
CSE & ECE - 2022-2025

A+ ACCREDITED WITH GRADE NAAC

MoE's **INNOVATION CELL** (GOVERNMENT OF INDIA)

INSTITUTION'S INNOVATION COUNCIL (Ministry of Education Initiative)

AICTE

ROBOTICS Workshop

1. TITLE OF THE EVENT: ROBOTICS Workshop

2. DATE OF THE EVENT: 26-08-2024 to 30-08-2024

3. DURATION OF THE EVENT: 5 days

4. OBJECTIVE OF THE EVENT:

The Objective of this program is to inspire and engage students in the field of ROBOTICS and technology through hands-on learning and competitive gaming. The workshop provides students with practical experience in designing, building and programming robots, while fostering collaboration and problem-solving skills.

The program aims to bridge theoretical knowledge with practical application, inspire creativity and build a collaborative community of robotics enthusiasts. Participants explore concepts such as automation, sensors gaining valuable insights into how robots can be applied in real-world scenarios. The workshop seeks to inspire creativity & innovation, preparing students for future advancements in robotics and related disciplines.

5. SPEAKERS/TECHNICAL TEAM/JURY MEMBERS:

a. Technical Team

S. No	Technical Team	Designation
1.	Mr. Madhu Parvathaneni	CEO, Make Skilled , Hyd
2.	T.Sudheer	Sr.IoT Developer
3.	J. Giridhar	Sr.IoT Developer
4.	B. Chiranjeevi	SDE-1/ Specialist (Mentor)
5.	Ch.Krishna	SDE-1/ Specialist
6.	K.Revanth	Associate
7.	Siva Sai	Associate

6.PARTICIPANTS DETAILS:

Student participants:

S.No	Name of Branch	Year/semester	Total No of Students
1.	ECE	II/ I	140

Faculty participants

S.No	Name	Designation	Total participants
1.	Dr.D.Vijaya Saradhi	Professor & Head, Dept of ECE	
2.	Dr.Ch.Ramesh	Professor & AQAC coordinator	
3.	Sk.Gousya	Asst. Professor	**5**
4.	K.Sarada	Asst. Professor	
5.	T.Venkata Rao	Asst. Professor	

7. BANNERS OF THE EVENT:

8. SESSION PLAN:

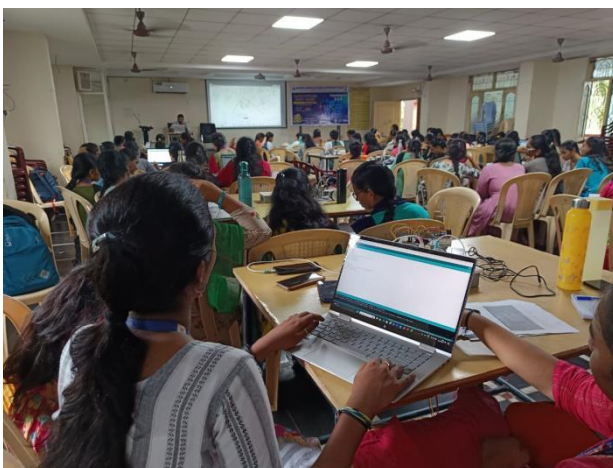| S.No	Date	Duration	Session
1.	26-08-2024	09:00am – 04:00pm	Introduction to Robotics, Arduino, Arduino Programming, Sensor Systems, Motors
2.	27-08-2024	09:00am – 04:00pm	Design & Building of Wired Robot & Wireless Robot
3.	28-08-2024	09:00am – 04:00pm	Design & Building of IoT Robot
4.	29-08-2024	09:00am – 04:00pm	Design & Building of Line Follower Robot
5.	30-08-2024	09:00am – 04:00pm	Design & Building of Light Follower Robot

9. EVENT PHOTOS:

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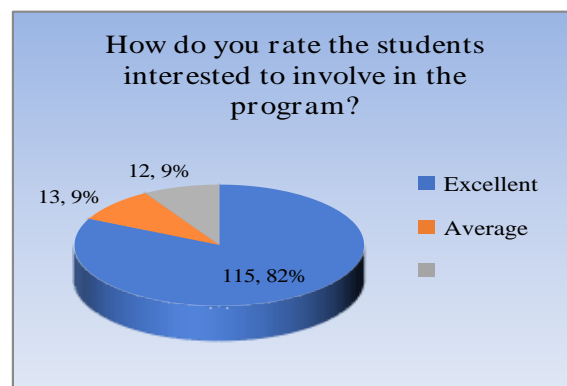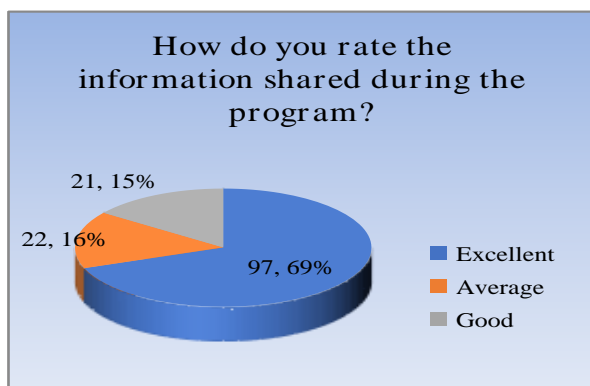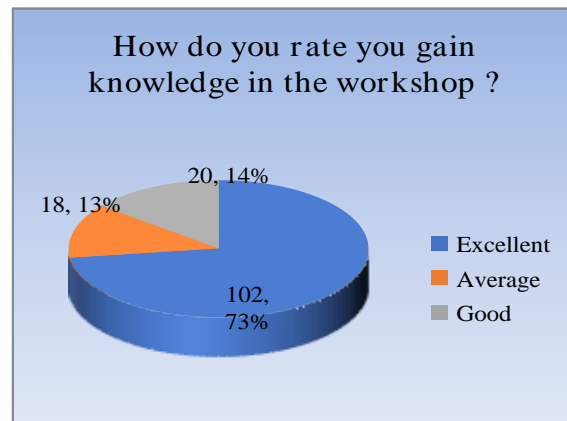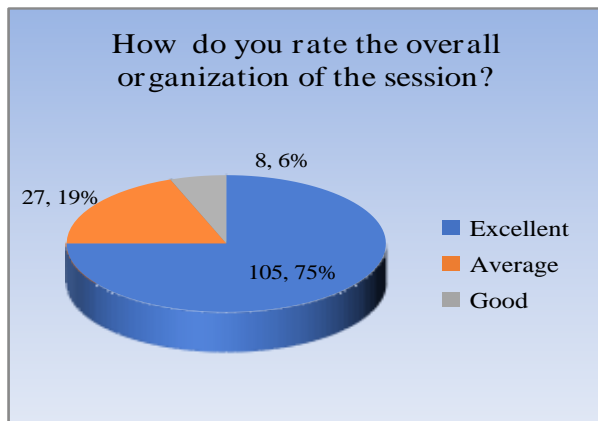
12.STUDENTS BENIFITED BY : (LEARNING SKILL/KNOWLEDE SKILLS) : LEARNING SKILL

13.MODE OF THE EVENT (ONLINE/OFF LINE/HYBRID): OFFLINE

14.FEED BACK OF THE EVENT :

How do you rate the overall organization of the session?

- 8, 6%
- 27, 19%
- 105, 75%
- Excellent
- Average
- Good

How do you rate you gain knowledge in the workshop ?

- 20, 14%
- 18, 13%
- 102, 73%
- Excellent
- Average
- Good

How do you rate the information shared during the program?

- 21, 15%
- 22, 16%
- 97, 69%
- Excellent
- Average
- Good

How do you rate the students interested to involve in the program?
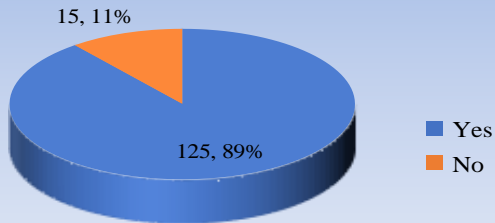
- 12, 9%
- 13, 9%
- 115, 82%
- Excellent
- Average

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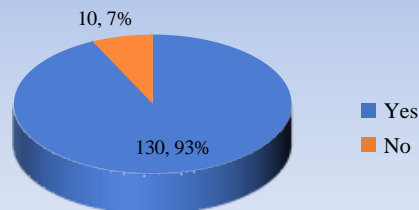
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How do you prefer to participate in the sessions like these further?

15, 11%

125, 89%

■ Yes
■ No

Have you acquired any Knowledge by participating in these kind of programs?

10, 7%

130, 93%

■ Yes
■ No

15. **REMARKS**:

Total 140 students of ECE II year of Malineni Lakshmaiah Women's Engineering College participated in ROBOTICS workshop organized by department of Electronics & Communication Engineering in association with Make-Skilled, Hyd forming into teams of 5 members each. Over these days, students delved into hands-on robotics education, gaining valuable skills in design and programming. The workshop has fostered a deeper understanding of automation, sensors, and artificial intelligence, highlighting their real-world applications.