



ROBOTICS Bootcamp

1. **Date of the Event:** 28-08-2023 to 02-09-2023 (6 Days)

2. **Title of the Event:** ROBOTICS Bootcamp

3. **Objective of the Program:**

The objective of this program is to implement 'Learn & Do' models like building human Arduino based Robots to enhance their fastest learning skills and build the bright future for newest technologies. The main motive of the program is to gain knowledge on how to make Robots, controlled wired robot, Assembling of autonomous robot, mobile controlled IoT robot using Arduino based programming. The learnt concepts will help students to make their own working robots for ROBOTIX gaming competition to be held later.

4. **Speakers/ Technical team:**

a. **Speaker:**

S.No	Name of the Trainer	Designation
1.	Mr.Madhu Parvathaneni	CEO, MakeSkilled

b. **Technical Team:**

S.No	Name of the Trainer	Designation
1.	Mr.Giridhar kumar.J	Technical Team
2.	Mr.Sudheer Kumar	Technical Team
3.	Mr. Giri	Technical Team



5. Session Plan:

S.No	Date	Duration	Session
1.	28-08-2023	09:00am – 04:00pm	Introduction to Robotics, Introduction to Arduino, Arduino Programming
2.	29-08-2023	09:00am – 04:00pm	Sensor Systems, Motors
3.	30-08-2023	09:00am – 04:00pm	Design & Building of Wired Robot, Assembling of Autonomus Robot
4.	31-08-2023	09:00am – 04:00pm	Programming of Light Follower Robot Design of Mobile Controlled Robot
5.	01-09-2023	09:00am – 04:00pm	Design of Aqua Robot & IoT Robot
6.	02-09-2023	09:00am – 04:00pm	Game Competition & Valedictory

6. Participants Details:

a. Student Participants:

S.No	Name of the Branch	Year/ Semester	No.of Students
1.	E.C.E	III/I	122

b. Faculty Participants:

S.No	Name of the Branch	No.of Faculty
1.	E.C.E	3



MALINENI LAKSHMAIAH WOMEN'S ENGINEERING COLLEGE

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



7. Banners of the Event:



8. Event Photos:





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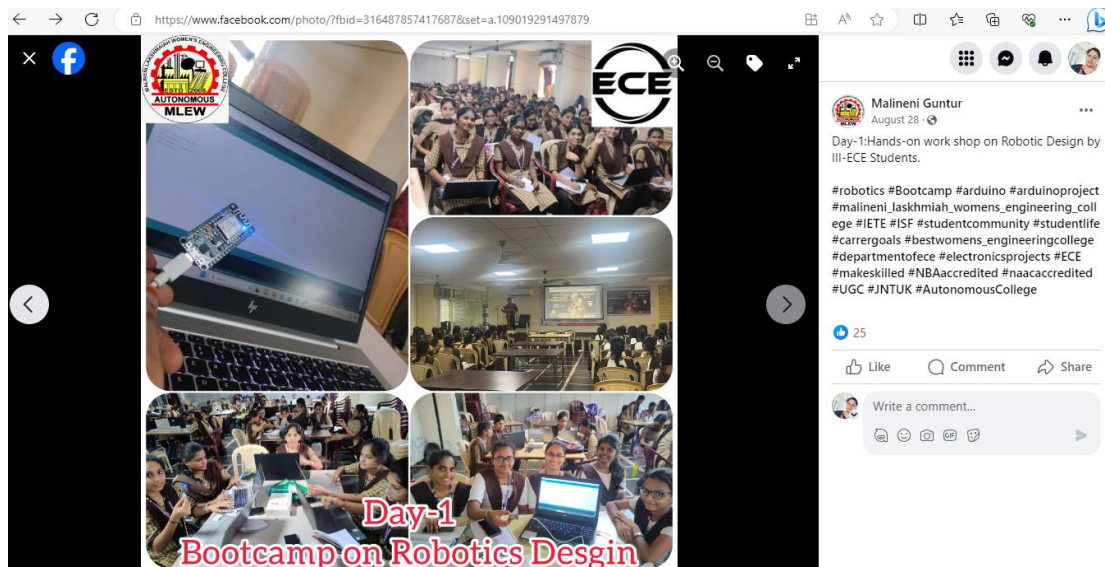
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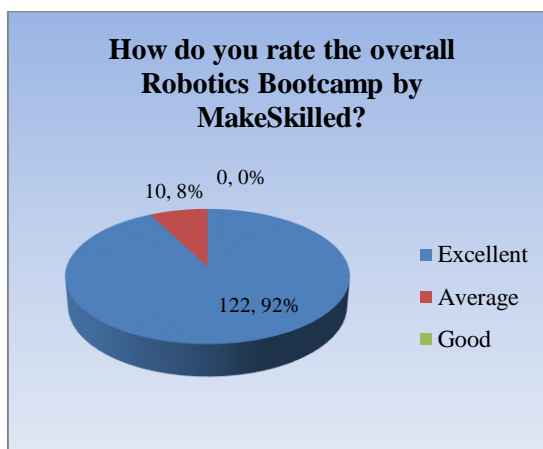
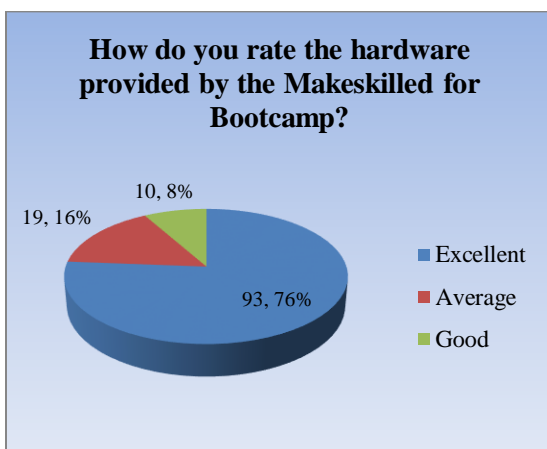
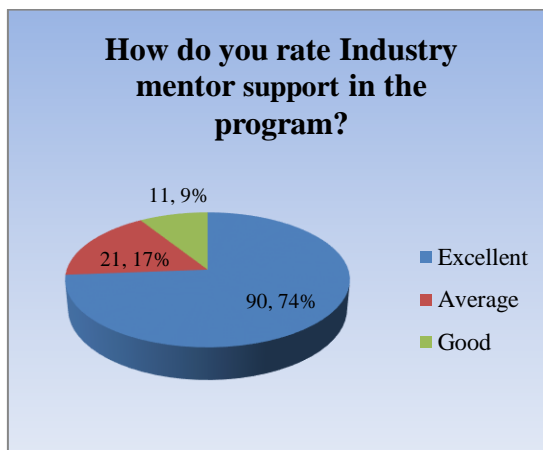
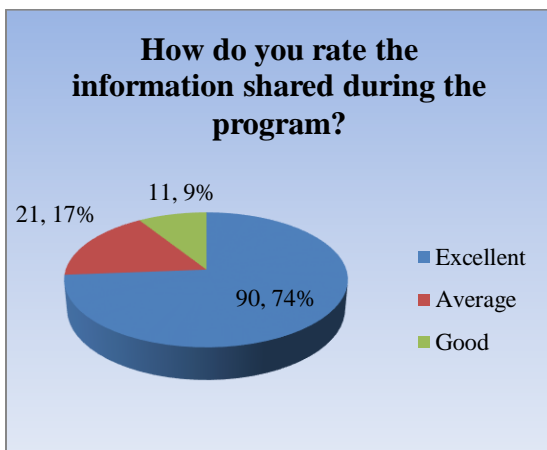
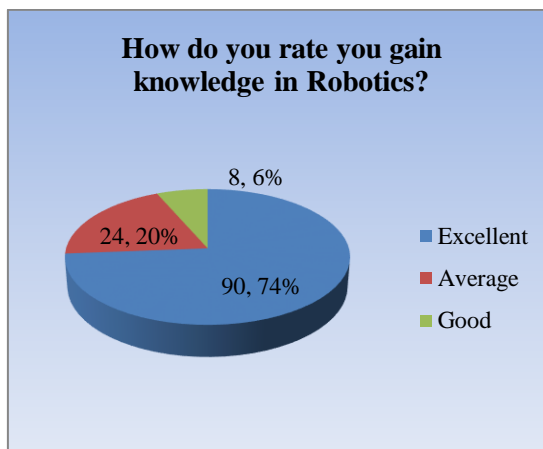
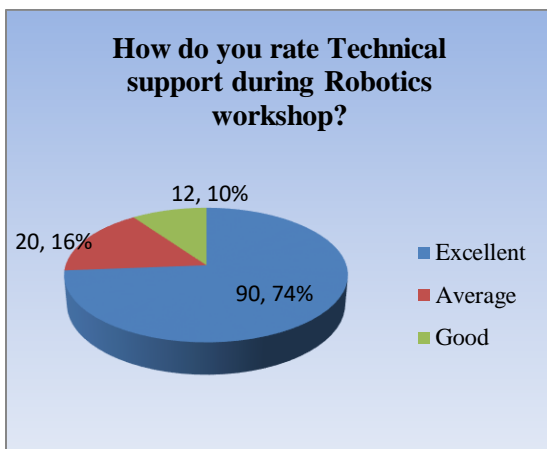


9. Social Media:

https://m.facebook.com/100071694262755/videos/168561046211340/?_rdrrhttps://www.facebook.com/photo/?fbid=316487857417687&set=a.109019291497879
<https://www.facebook.com/100071694262755/videos/pcb.317410560658750/3465057537087037>



10.Participants Feedback on Event:





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INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of HRD Initiative)

11. Certificate issued for the Event:



12. Remarks:

Total 122 girl students of III/I E.C.E participated as teams in the Robotics bootcamp and gained knowledge on how to make Robots, how to control them using IoT and Arduino programming. The knowledge gained in the bootcamp helped the students in actively participating gaming competition held later on various categories like Aqua Robot, Robo Soccer, Robo Race, Robo Wars, Maze Finder.