

PRAGATI ENGINEERING COLLEGE

(AUTONOMOUS)

ADB Road, Surampalem, Near Peddapuram, Kakinada, Dist., A.P. – 533 437

(Approved by AICTE, Permanently Affiliated to JNTUK Kakinada & Accredited by NAAC with A+ Grade)

(Recognized by UGC Under Sections 2(f) and 12 (b) of UGC act, 1956)

Ph: 08852 252233, 252234, 252235 Fax: 08852 – 252232, website:www.pragati.ac.in

DEPARTMENT OF MECHANICAL ENGINEERING

CIRCULAR

Dt. 15.07.2025

The Robotics Club of the Department of Mechanical Engineering is organizing a Session on "Anatomy of a Robot" on 16th July 2025. Interested students are invited to join the session at the venue below.

Date: 16th July 2025

Venue: CAD Lab (MF-10)



- Copy to:
- 1) Circulate among students and staff
 - 2) Department Notice Board
 - 3) Department file
 - 4) Principal for Information

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DEPARTMENT OF MECHANICAL ENGINEERING

A SESSION ON 'ANATOMY OF A ROBOT'

Dt. 17.07.2025

As part of the industry 4.0 Clubs, The Robotics Club of Pragati Engineering College conducted a session on "Anatomy of a Robot" on 16th July 2025. This basic knowledge prepares students for further exploration in robotics and engineering, encouraging them to think about how all these parts work together as a team. In which the controller takes information from the sensors and makes decisions, just like the brain does. The power source gives energy to all parts, just like food gives us energy. Overall, the session helped students to build a strong basic idea of how robots are built and how they function in a simple way.

The topic "Anatomy of a Robot" introduces students to the significant components that make up a robot, helping them understand how machines mimic human or animal functions. During the session, students learned about the core parts of a robot including sensors, actuators, controllers, and power sources. Sensors allow the robot to perceive its environment, while actuators such as motors and servos enable movement. The controller, often a microprocessor or microcontroller, serves as the robot's brain, processing input data and commanding actions. Each part plays a specific role in enabling the robot to perform tasks ranging from simple motions to complex decision-making.

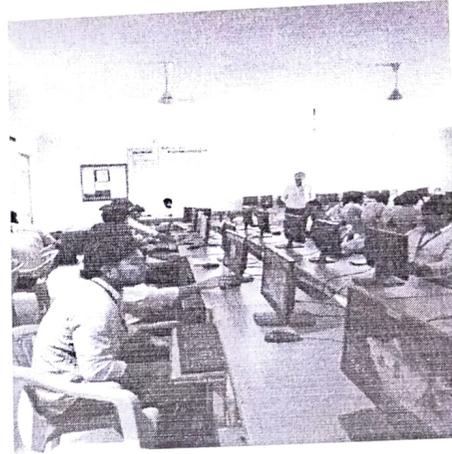


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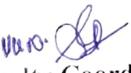
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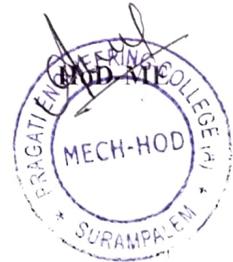
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By exploring the basic parts of a robot, students began to understand how machines can sense, think, and act. This simple breakdown of a robot structure helped them see that robotics is not just about complex technology—it starts with clear, basic ideas.


Faculty Coordinator



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DEPARTMENT OF MECHANICAL ENGINEERING

Students Participation List

Di. 16.07.2025

No	Roll.No	Student Name	Year	Signature
1	24A31A0303	P. Santhoshi	I nd	Santhoshi
2	24A31A0308	M. Sowmya	I nd	Sowmya
3	24A31A0306	K. Krishnakumari	II nd	K. Krishnakumari
4	24A31A0302	G. Trijastri	II nd	G. Trijastri
5	24A31A0304	J.N. Charishma.	I nd .	J.N. Charishma.
6	24A31A0301	CH. Deepika	I nd	CH. Deepika,
7	24A31A0305	M. Jyothika	I nd	M. Jyothika
8	24A31A0307	K. Ram Harini	I nd	K. Harini
9	24A31A0317	CH. Naveen	II nd	Naveen
10	24A31A0324	G.V. Karthik	II nd	G.V. Karthik
11	24A31A0328	J. Karthik Sri Ram	II nd year	Karthik
12	24A31A0338	M. Santosh.	II nd .	Santosh
13	24A31A0339	M. Praveen	II nd	Praveen
14	24A31A0343	M. Siddharth teja	II nd	Siddhartha
15	24A31A0344	S. Saneel Kumar	II nd	Saneel
16	24A31A0349	P. Yuva Teja	II nd year	P. Yuva Teja.
17	24A31A0354	P. chandra Dora babu	I nd	P.C.D
18	23A31A0305	Revathi. Midatana	III rd	Revathi. M
19	23A31A0306	S. Yohanna.	III rd	S. Yohanna.
20	23A31A0311	B.H.S.D. Prutyunjay	III rd	B.H.S.D. Prutyunjay

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S.No	Roll.No	Student Name	Year	Signature
1	23A31A0313	B. Saiteja	III	B. Saiteja
2	23A31A0316	Ch. Santhosh Kumar	III	Ch. Santhosh.
3	23A31A0321	Y. Satya Sai Suresh	III	Y. S. S. Suresh
4	23A31A0325	K. Veera Manikanta	III	K. V. Veerakanta
5	23A31A0328	J. Satya Chakra Dhara	III	J. S. C. Dhara
6	23A31A0332	N. Yaswanth	III	N. Yaswanth
7	23A31A0337	P. Vamsi	III	P. Vamsi
8	23A31A0340	P. Bhanu	III	P. Bhanu
9	23A31A0343	R. P. Arun Kumar	III	R. P. Arun Kumar
10	23A31A0347	S. Uday	III	S. Uday
11	23A31A0348	T. Narashimhan	III	T. Narashimhan
12	23A31A0350	V. V. Satyanarayana	III	V. V. Satyanarayana
13	24A35A0302	D. Lakshmi Narayana	III	D. Lakshmi
14	24A35A0303	D. Divakar	III	D. Divakar
15	24A35A0306	K. Pavan Surya Kumar	III	K. Pavan Surya Kumar
16	24A35A0307	Mh. Bala Bhavani Shankar	III	Mh. B. B. Shankar
17	24A35A0311	P. V. Neelesh Kumar	III	P. V. Neelesh Kumar
18	24A35A0313	S. Manikanta	III	S. Manikanta
19	24A35A0314	S. Sriram	III	S. Sriram
20	24A35A0315	S. Chandu	III	S. Chandu
21	24A35A0316	T. Devachandha	III	T. Devachandha
22	24A35A0317	Y. Siva Shankar	III	Y. Siva Shankar

10-A. 
Faculty Coordinator

