

Hands-on Mechatronics Innovation Workshop

College : Government Arts & Science College, Dediapada
Type of Programme : Hands-on Practical Workshop
Date : 26/11/2025
Organised by : SSIP and Innovation Club
Participant : 29

Objective of the Workshop:

The main objective of this workshop was to promote innovation, creativity, and practical learning among students through hands-on use of Mechatronics kits. The workshop aimed to develop problem-solving skills, teamwork, and basic engineering understanding.

Description of the Workshop:

Under the SSIP and Innovation Club on 26/11/2025, a one-day Hands-on Mechatronics Innovation Workshop was successfully organized by Government Arts and Science College Dediapada. In this workshop, students were introduced to Mechatronics kits and their basic components such as DC motors, wheels, chassis, battery holders, switches, and connecting wires. After a brief orientation session by Innovation Coordinator Mr. Sandipkumar Gain, students were divided into small groups and given hands-on activities. Using the Mechatronics kits, students designed and developed working models such as a motor-based car and a moving toy. Students actively participated in assembling the components and testing their models. The activity helped students understand basic concepts of motion, balance, mechanical structure, and real-world applications of mechatronics.



Student Participation:

Students participated with great enthusiasm and curiosity. They worked collaboratively in teams and demonstrated creativity while designing and improving their models.

Learning Outcomes:

At the end of the workshop, students gained:

- Basic understanding of Mechatronics
- Practical experience in prototyping
- Improved creativity and innovation skill

Conclusion:

The Hands-on Mechatronics Innovation Workshop was highly informative and motivating. Such activity-based workshops help students bridge the gap between theory and practical application and encourage innovation culture among students.