

A Student workshop on Flagship Robotics Orientation Session (FROS)

Date: September 4, 2025

Venue: Department of Physics and Electronics, Government College Autonomous, Rajahmundry (GCRJY)

Session Speaker: Mr. Mahan RK

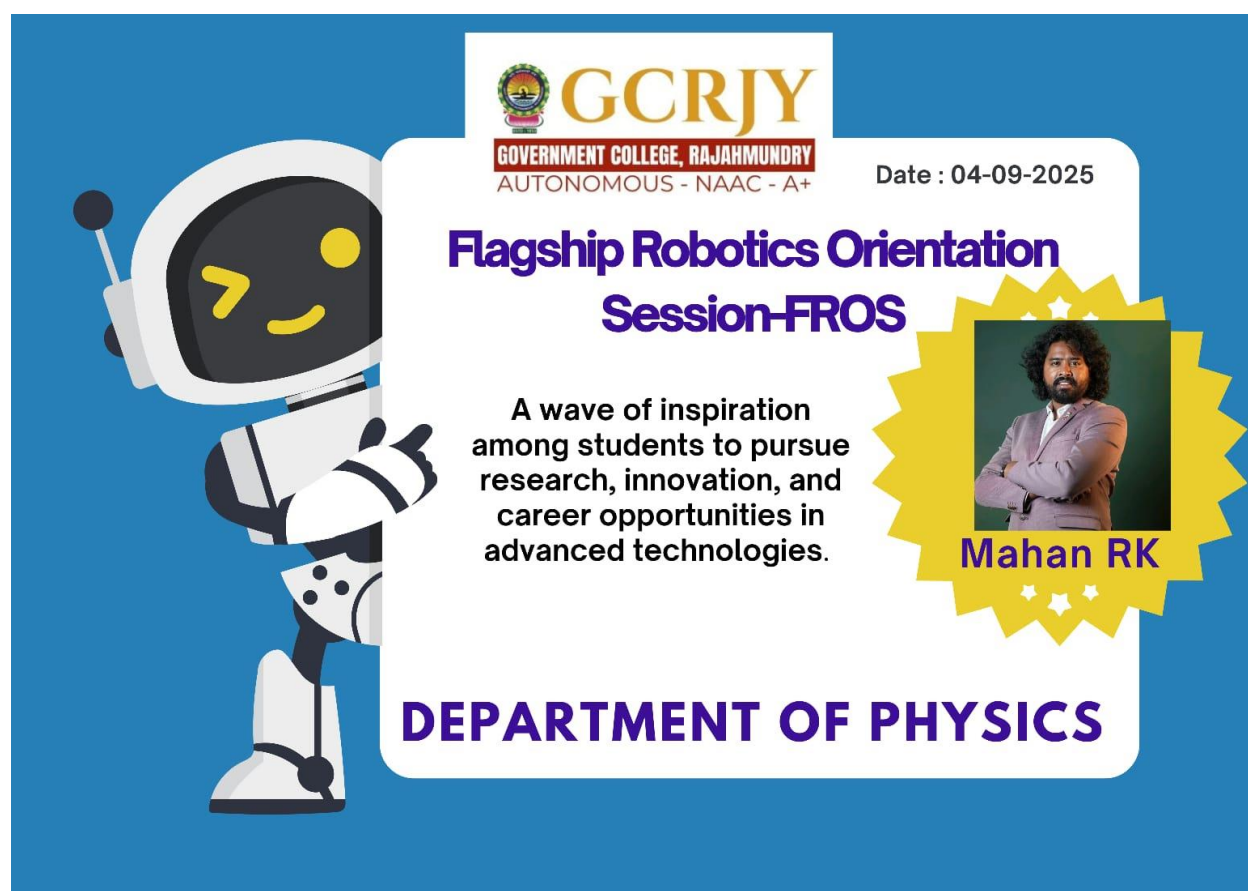


Figure 1: Official FROS Event Brochure

The Department of Physics and Electronics at Government College (Autonomous), Rajahmundry successfully organized the Flagship Robotics Orientation Session (FROS) with the objective of inspiring students to explore research, innovation, and diverse career opportunities in advanced technologies.

The session was conducted by Mr. Mahan RK, a distinguished Robotics Product Research Engineer with over ten years of hands-on industry experience. With a strong academic background in Electronics and Communication Engineering, he is the Founder of HackBoats and currently serves as the CEO of ACIC Vijayanagaram. His expertise and practical exposure provided valuable insights to the participants.

During the session, Mr. Mahan RK shared his extensive knowledge in robotics product research and development. He explained the integration of programming languages such as C++ and Python along with the Robot Operating System (ROS) in developing innovative robotic solutions. He also discussed his work in the fields of animatronics and the Internet of Things (IoT), highlighting how interconnected devices play a crucial role in modern robotics. As a mentor to several emerging technology startups, he illustrated real-time applications through examples of projects like agricultural robotics and civil architecture marking systems.

The workshop witnessed an enthusiastic participation of around 120 students, primarily from the second and third-year batches. The session was highly interactive and effectively bridged the gap between theoretical concepts and practical implementation in robotics. Both faculty members and students actively engaged with the speaker during the session, which was conducted in the campus computer laboratory.

The session concluded on a positive note with a gratitude initiative, where participants were encouraged to scan a QR code and use the keyword “FROS” to receive their participation certificates. The workshop proved to be highly informative and inspiring, motivating students to pursue innovation and research in the field of advanced technologies.

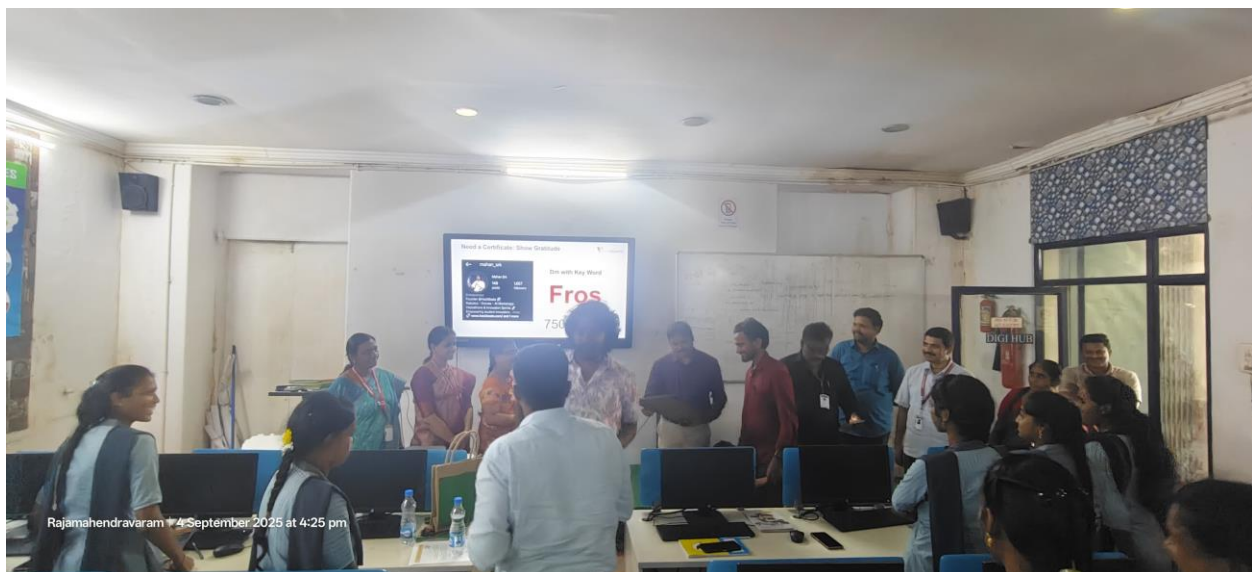


Figure 2: Mr. Mahan RK guiding the interactive orientation session.

The event concluded with the faculty felicitating Mr. Mahan RK, presenting him with a token of appreciation for sharing his time, knowledge, and practical insights with the students.



Figure 3: Faculty members felicitating Mr. Mahan RK.

Recognition

In recognition of the institution's visionary leadership and support, HackBoats awarded a Certificate of Achievement to the Department of Physics and Electronics. The certificate commemorates the department's remarkable contribution to empowering students to explore Robotics, AI, IoT, and Product Development, ultimately igniting innovation and inspiring the next generation of leaders.



Figure 4: Certificate of Achievement awarded to the Department of Physics and Electronics.

Ch. Komala Lakshmi

Smt. Ch. Komala Lakshmi

HOD of Physics & Electronics

Dr. Ramachandra RK

Dr. Ramachandra RK

Principal