Flagship Robotics Orientation Session (FROS)

Event Report: Flagship Robotics Orientation Session (FROS)

Date: September 4, 2025

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

Guest Speaker: Mr. Mahan RK

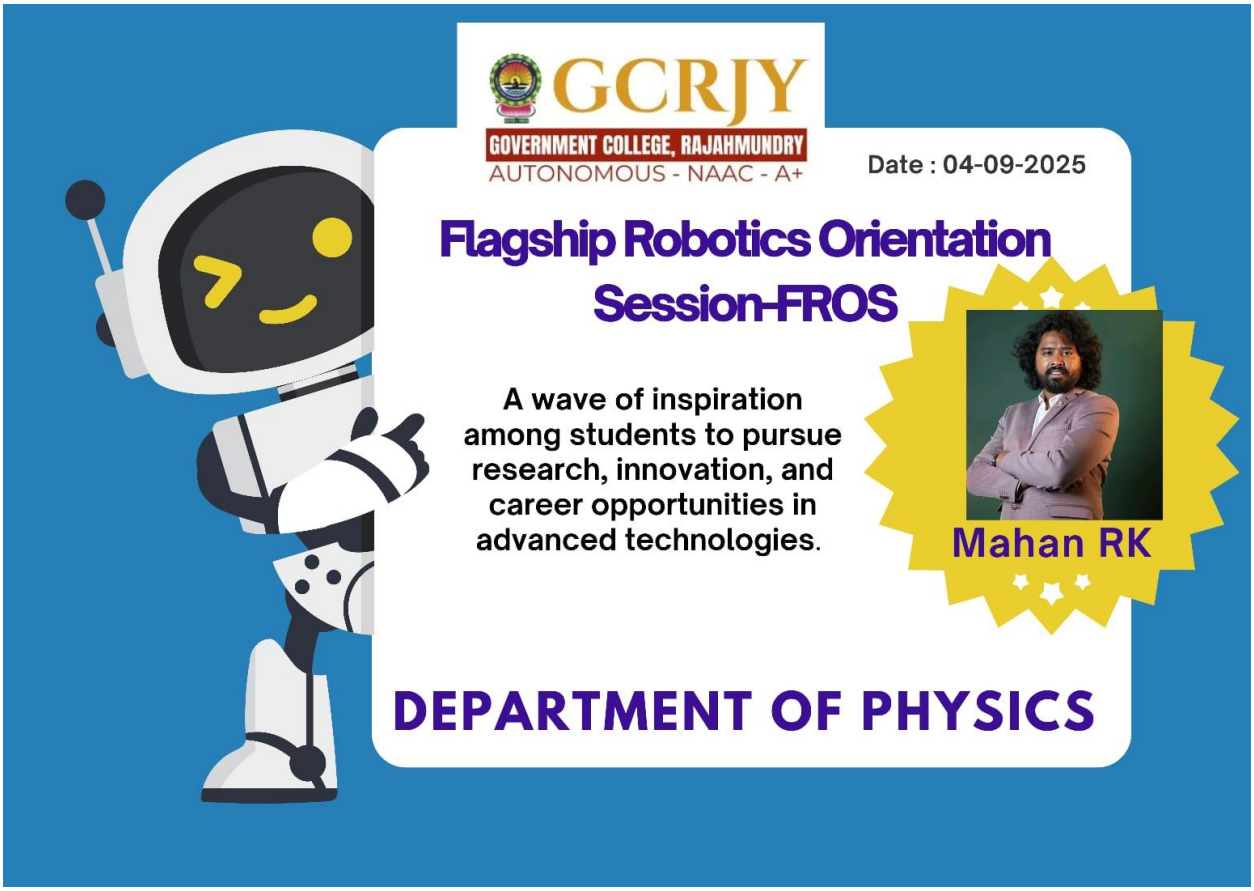

Figure 1: Official FROS Event Brochure

Overview

The Department of Physics and Electronics at Government College Autonomous, Rajahmundry successfully hosted the Flagship Robotics Orientation Session (FROS). The primary objective of

the session was to spark a wave of inspiration among students, encouraging them to pursue research, innovation, and diverse career opportunities within the realm of advanced technologies.

About the Speaker

The session was led by Mr. Mahan RK, a distinguished Robotics Product Research Engineer with ten years of hands-on industry experience. Coming from a strong background in Electronics and Communication, he serves as the Founder of HackBoats and the CEO of ACIC Vijayanagaram.

During the session, Mr. Mahan shared his extensive expertise in robotics product R&D, discussing the integration of C++, Python, and ROS to push the boundaries of modern innovation. He also shed light on his work in animatronics and the Internet of Things (IoT), explaining how connected devices integrate with robotics. As a mentor to numerous emerging tech startups, he shared practical examples of projects he has guided, such as agricultural robotics and civil architecture marking systems.

Session Highlights & Impact

The event saw an impressive turnout, with 120 participants comprising 2nd and 3rd-year students. The orientation was highly interactive, bridging the gap between theoretical physics and applied robotics. Faculty members and students engaged directly with the speaker in the campus computer lab. The presentation concluded with a gratitude initiative, encouraging participants to scan a QR code and use the keyword "Fros" to receive their participation certificates.

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.

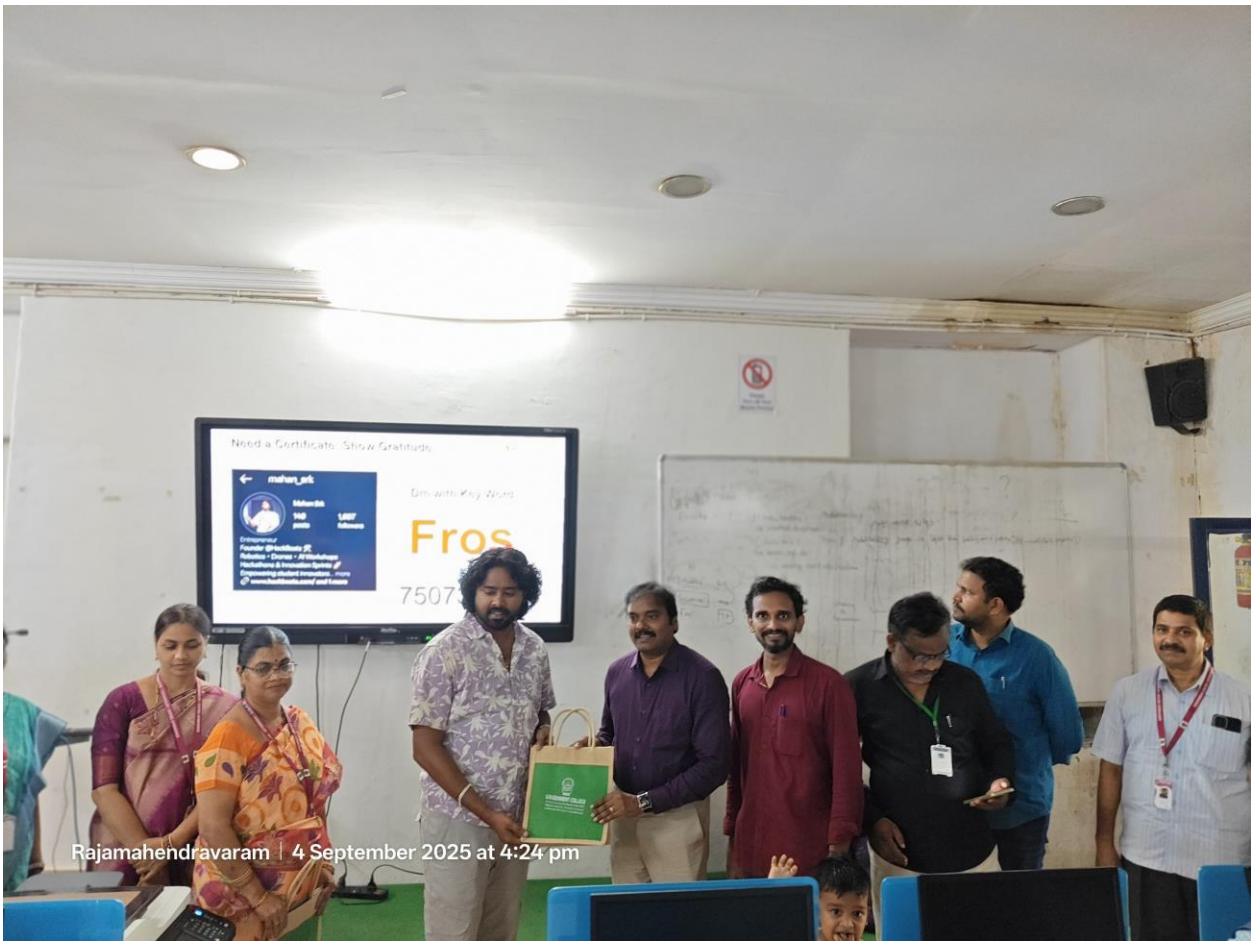

Figure 3: Faculty members felicitating Mr. Mahan RK.

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.