R.M.K. ENGINEERING COLLEGE

(An Autonomous Institution)

R.S.M NAGAR, KAVARAIPETTAI – 601 206

RMKEC-AICTE IDEA LAB

(In collaboration with K.K.R. Metal Components, Chennai)

Grant-in-aid under the Scheme Idea Development, Evaluation and Application (IDEA) Lab for the year 2021

(AQIS ID – IDEA202000055)

RMKEC-AICTE IDEA Lab Activities
Academic Year 2025-26



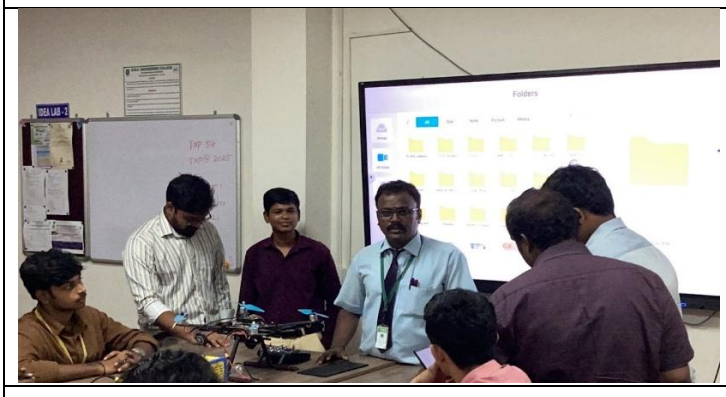


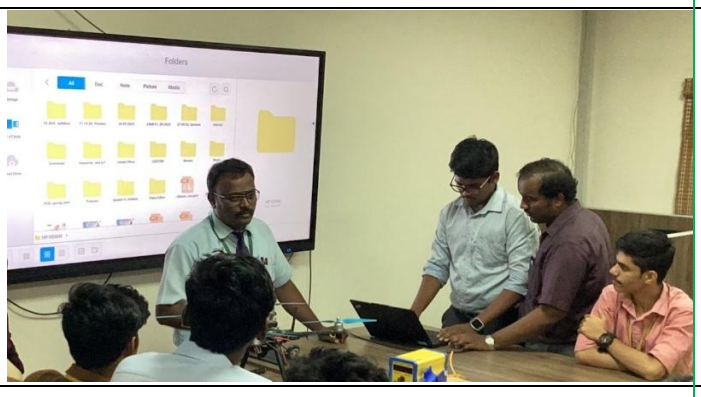
1. Event: Internet of Things (IoT): Smart Device Design and System Integration – (14.07.2025 – 19.07.2025)



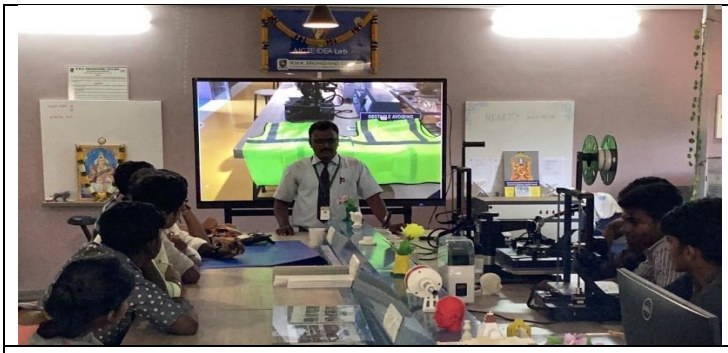
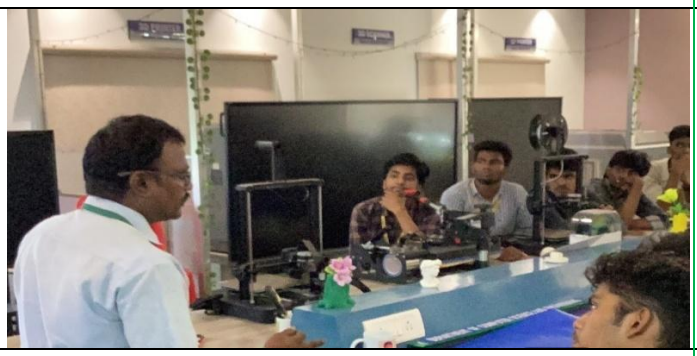


2. Event: End-to-End IoT Solutions: Sensors, Connectivity, and Cloud Platforms – (21.07.2025 – 26.07.2025)





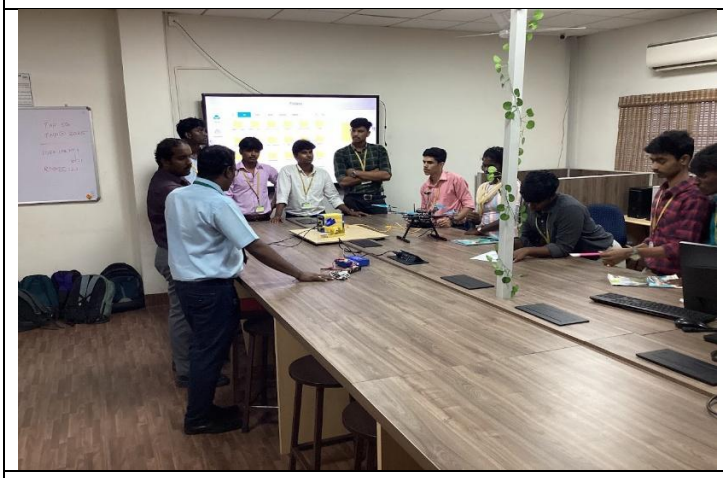
3. Event: Reverse Engineering using 3D Scanning and CAD Reconstruction – (28.07.2025 – 02.08.2025)

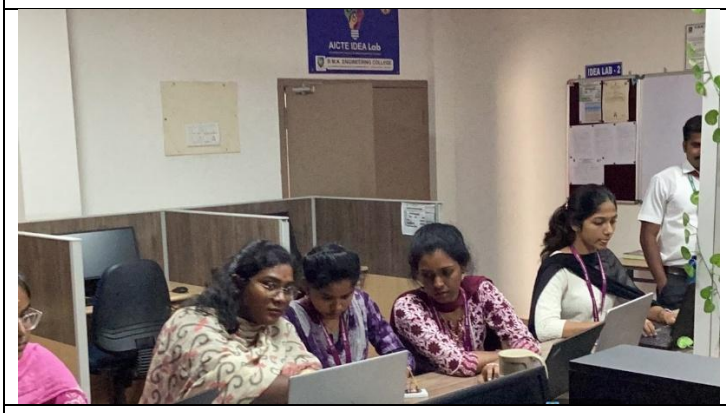
4. Event: PCB Design and Fabrication: From Schematic to Functional Board – (28.07.2025 – 02.08.2025)




5. Event: Embedded Systems Design using Arduino, ESP32, and ARM Controllers – (11.08.2025 – 14.08.2025)




6. Event: Ideation Workshop of Drone Integration and Flight Dynamics – (18.08.2025 – 23.08.2025)




7. Event: Ideation Workshop on Sensors and Embedded Platforms – (08.09.2025 – 13.09.2025)





8. Hackathon: Internal Hackathon for Smart India Hackathon – 12.09.2025





9. Event: Ideation Workshop on 3D Modelling and 3D Printing - (15.09.2025 – 20.09.2025)





10. Event: Skilling Programme on Embedded Systems Design - (06.10.2025 – 11.10.2025)



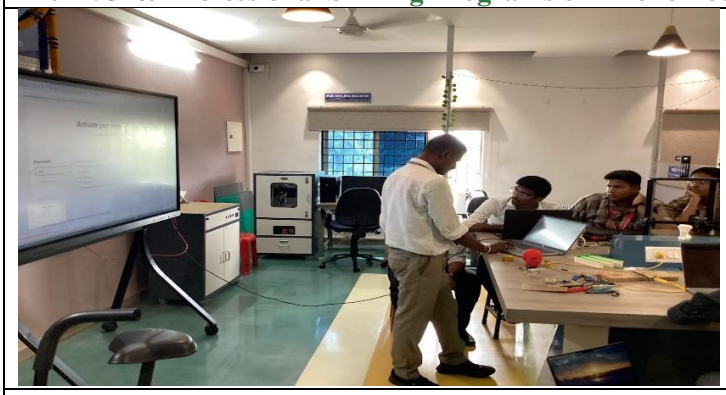


11. Event: Ideation Workshop on 3D Modelling and 3D Printing - (13.10.2025 – 18.10.2025)

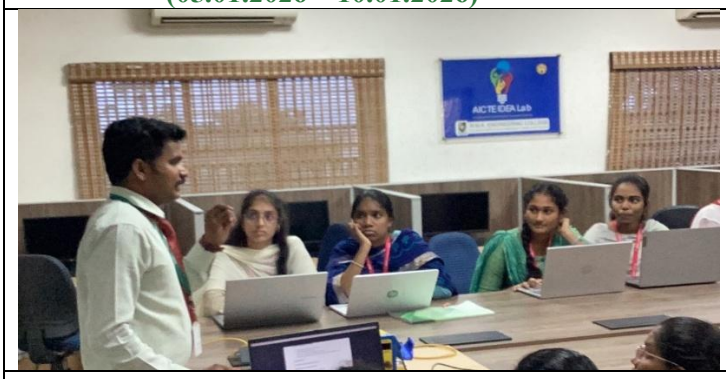




12. Event: Professional Skilling Programs on Drone Technology - (21.10.2025 – 25.10.2025)

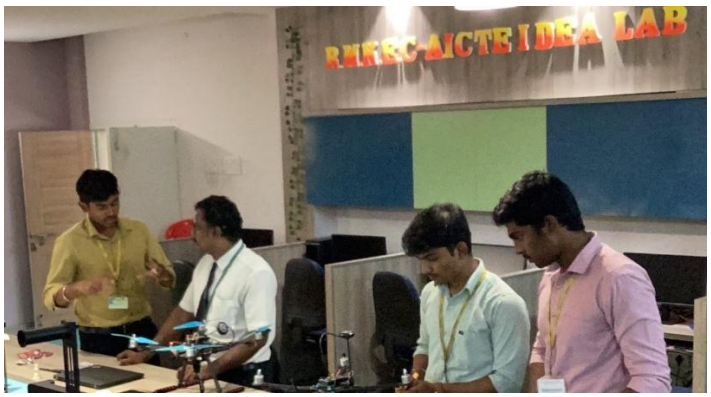



13. Event: Professional skilling programme in Advanced Additive Manufacturing and 3D Production – (05.01.2026 – 10.01.2026)





14. Event: Professional Skilling Programme of Fabrication of IoT-Based Automation Systems - (19.01.2026 – 24.01.2026)

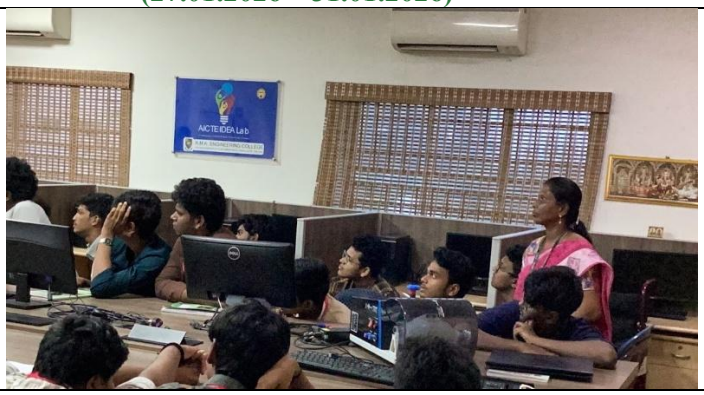
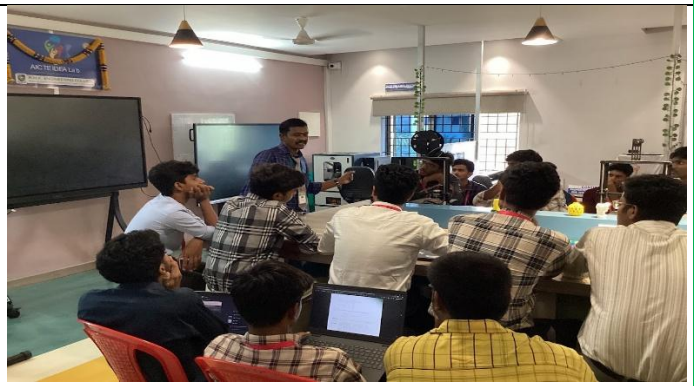




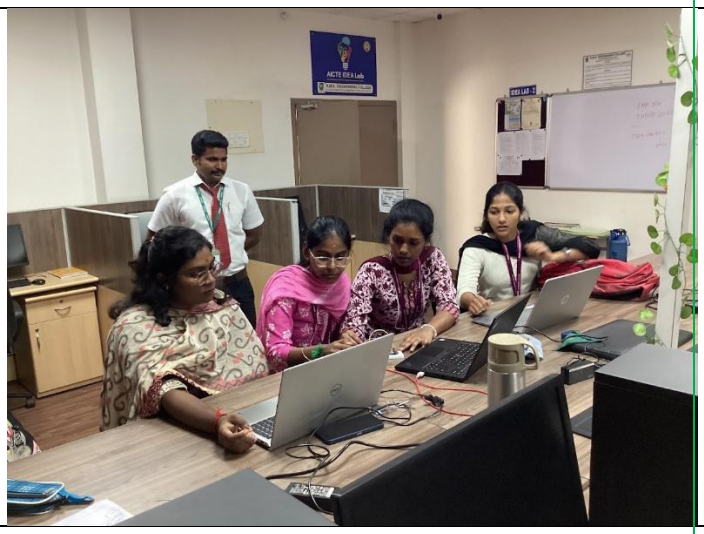
15. Event: Skilling Programme on Next-Gen Drone Applications. Advanced Drone Integration and Flight Dynamics - (19.01.2026 – 24.01.2026)



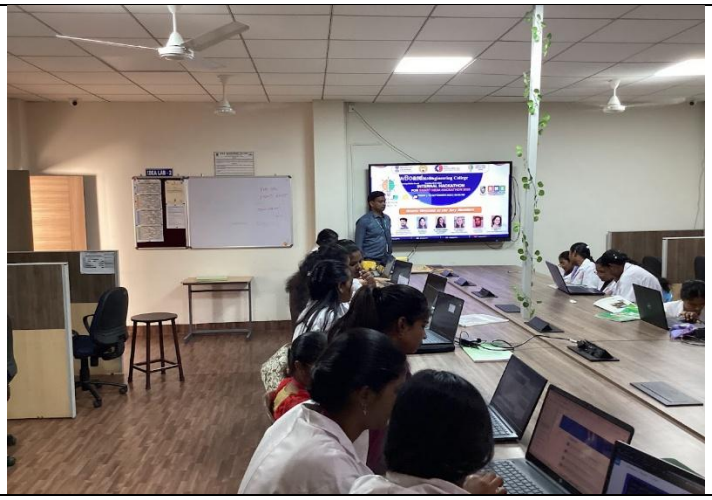
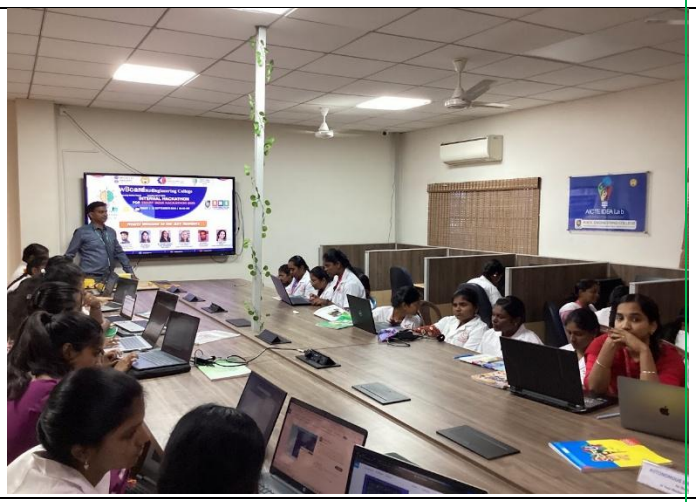

16. Event: **Professional Skilling Programme of Fabricating IoT-Driven Autonomous Environments – (27.01.2026 – 31.01.2026)**

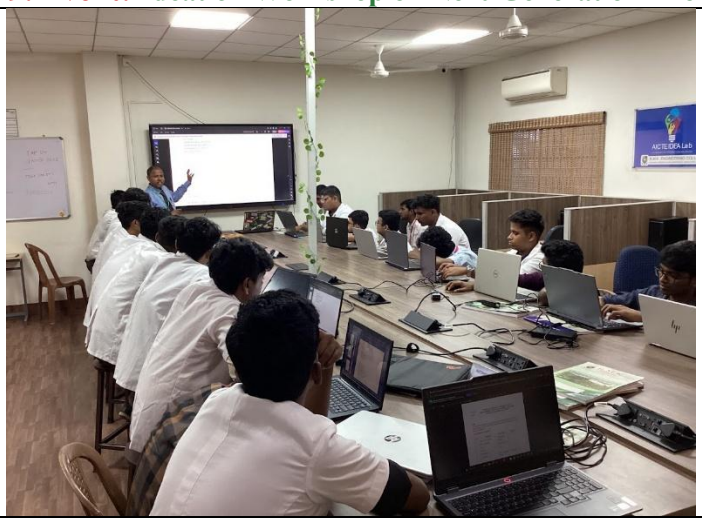
17. Event: **Skilling Programme of PCB Prototyping - Practical Training with Easy EDA and Mach3 CNC Milling Machine - (02.02.2026 – 07.02.2026)**

18. Event: **Skilling Programme on Fabrication and Deployment of IoT-Based Automation Systems – (09.02.2026 – 14.02.2026)**

19. Event: Ideation Workshop on Next-Generation Drone Applications (09.02.2026 – 14.02.2026)




20. Event: Ideation Workshop on Advanced Additive Manufacturing: Professional Certification in 3D Modelling & Production – (16.02.2026 - 21.02.2026)




21. Event: Professional Skilling Programme of Advanced Systems Integration: Fabricating IoT-Driven Autonomous Environments – (23.02.2026 - 28.02.2026)

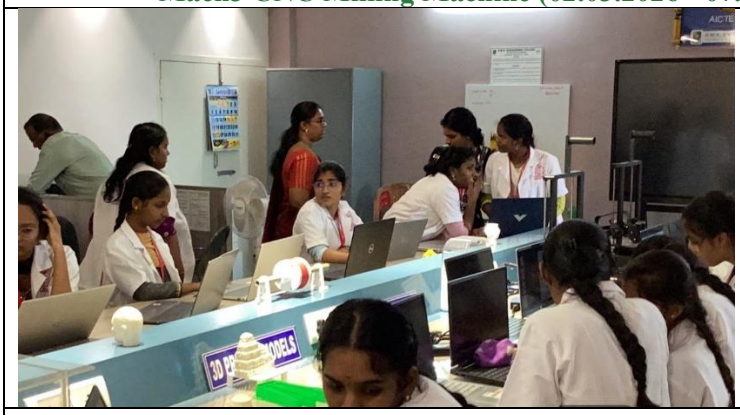



22. Event: **Ideation Workshop an Unmanned Systems Design: Advanced Drone Integration and Flight Dynamics (23.02.2026 - 28.02.2026)**





23. Event: **Ideation Workshop on Advanced PCB Prototyping: A Hands-on Workshop using Easy EDA and Mach3 CNC Milling Machine (02.03.2026 - 07.03.2026)**



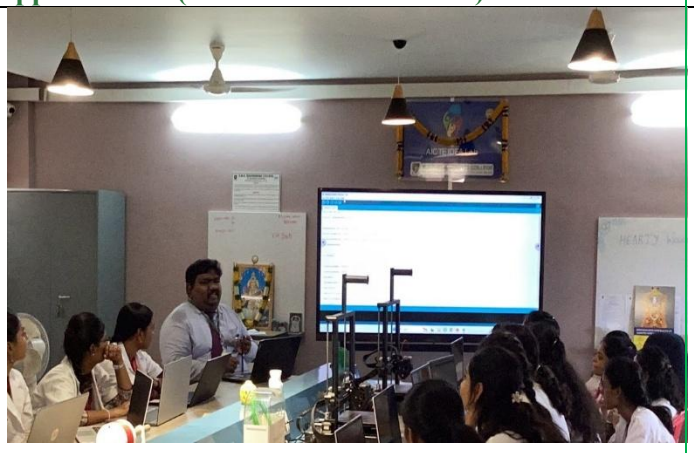

24. Event: **Ideation Workshop: Advanced Additive Manufacturing with Professional Certification in 3D Modeling and Production (02.03.2026 - 07.03.2026)**



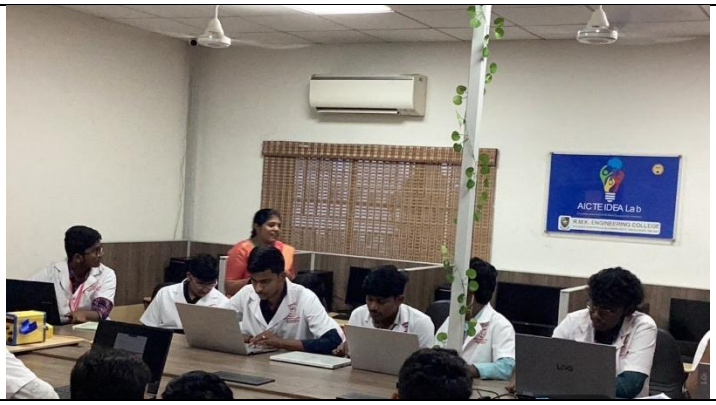

25. Event: Skilling Programme on Fabrication and Deployment of IoT-Based Automation Systems – (09.03.2026 - 14.03.2026)




26. Event: Ideation Workshop on Next-Generation Drone Applications - (09.03.2026 - 14.03.2026)

27. Event: Professional Skilling Programme of Advanced Systems Integration: Fabricating IoT-Driven Autonomous Environments - (16.03.2026 - 18.03.2026)



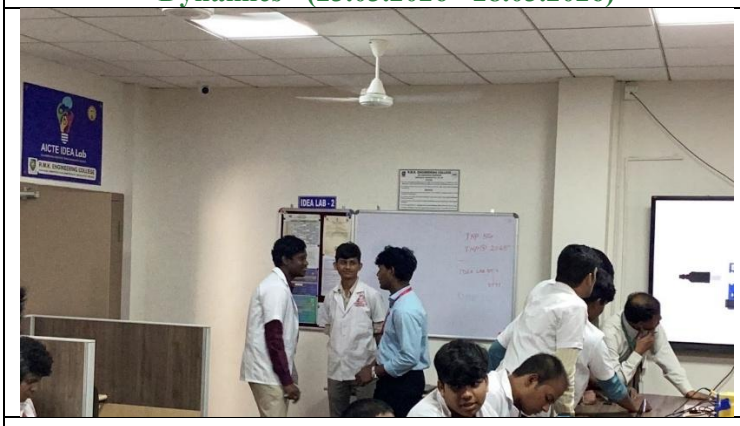


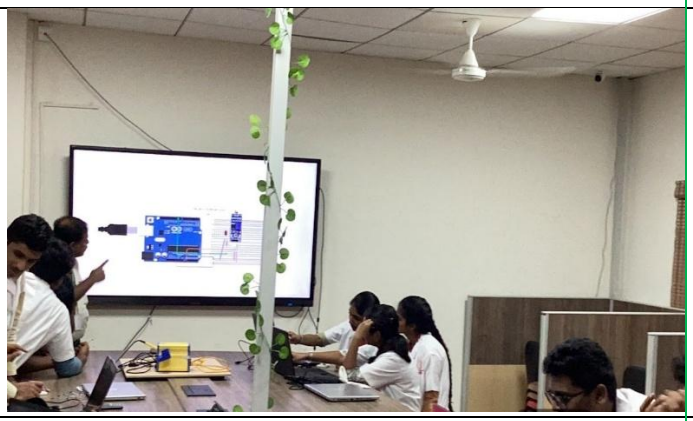
28. Event: Professional Skilling Programme of Fabrication of IoT-Based Automation Systems – (23.03.2026 - 28.03.2026)





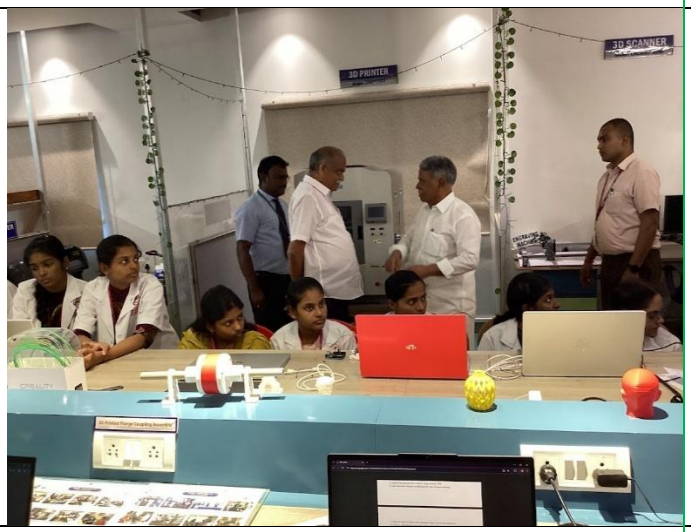
29. Event: Skilling Programme on Next-Gen Drone Applications: Advanced Drone Integration and Flight Dynamics - (23.03.2026 - 28.03.2026)





30. Event: 5 Days - Advanced PCB Prototyping and Fabrication: A Hands-on Workshop Using EasyEDA and Mach3 CNC Milling Machine - (30.03.2026 - 04.04.2026)





31. Event: 5 Days - Advanced Additive Manufacturing: Ideation Workshop with Professional Certification in 3D Modeling and Production - (30.03.2026 - 04.04.2026)



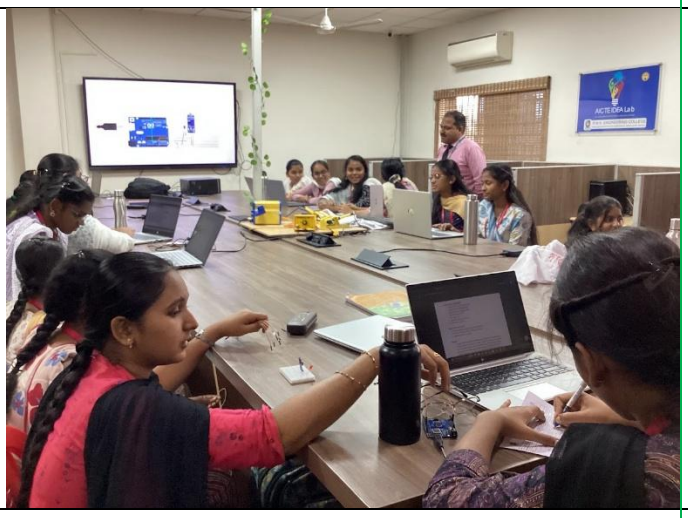


32. Event: 6 Days - Advanced Skilling Programme on IoT Automation: Development, Fabrication, and Deployment - (06.04.2026 - 11.04.2026)





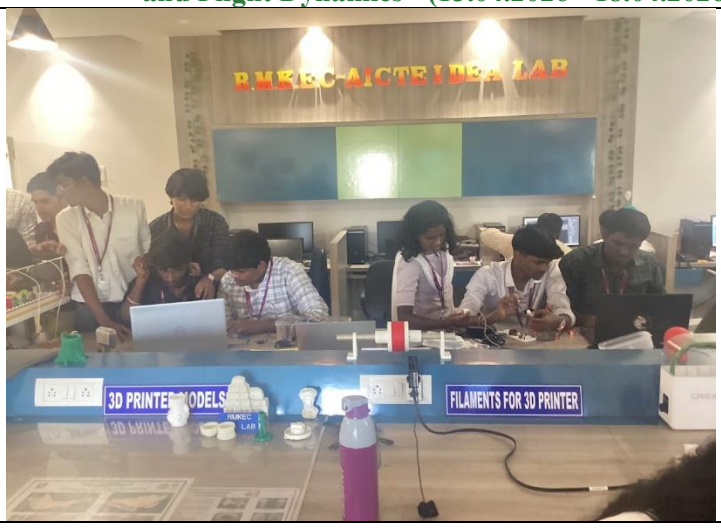
33. Event: 6 Days - Ideation Workshop on Intelligent Drone Technologies and Real-World Applications – (06.04.2026 - 11.04.2026)

34. Event: 6 Days - Skilling Programme on Intelligent Systems Integration and IoT-Driven Automation - (13.04.2026 - 18.04.2026)




35. Event: 6 Days - Ideation Workshop on Next-Generation Unmanned Aerial Systems: Design, Integration, and Flight Dynamics - (13.04.2026 - 18.04.2026)





36. Event: 6 Days - Skilling Programme in IoT-Based Automation System Design and Fabrication – (20.04.2026 - 25.04.2026)





37. Event: 6 Days - Skilling Programme on Advanced Drone Integration and Flight Dynamics – (20.04.2026 - 25.04.2026)





38. Event: 5 Days - Hands-on Skilling Programme in IoT-Driven Automation Technologies – (27.04.2026 - 02.05.2026)





39. Event: 6 Days - Skilling Programme on Fabrication and Deployment of IoT-Based Automation Systems – (04.05.2026 - 09.05.2026)





40. Event: **6 Days - Ideation Workshop: Advanced Additive Manufacturing with Professional Certification in 3D Modeling and Production - (11.05.2026 - 16.05.2026)**