



ELECTRONICS AND INSTRUMENTATION ENGINEERING

AY 2025 -26 Value Added Courses Conducted

S.No.	Name of the Event	Dates (DD/MM/YYYY)	Resource Person	Supported by	Participants
1.	Value Added Course on “Cyber Security in Industrial Automation”	14/03/2026 to 19/04/2026	Technospark IT Solutions, Vijayawada	SAHE	30 Students
2.	Value Added Course on “Industrial Instrumentation Reality”	07/03/2026 to 26/03/2026	Mr. N. Surya Seshu Kumar, Instrumentation & Control Engineer, Instrux.	SAHE	50 students
3.	Value Added Course on “Python Django Full Stack in Microservices”	15/12/2025 to 31/01/2026	Standard Solutions, Vijayawada	SAHE	62 Students
4.	Value added Course on “Python Flask Full Stack in Microservices”	15/12/2025 to 31/01/2026	Society for Learning Technologies, Vijayawada	SAHE	62 Students
5.	Value Added Course “Industry 5.0”	11/10/2025 to 25/10/2025	Mr. Manikandan P, Solution Architect, CodenPlay Robotics, Bengaluru	SAHE	39 students, 1 Technical Staff

Value Added Course on “Cyber Security in Industrial Automation”

The Department of Electronics and Instrumentation Engineering, Velagapudi Ramakrishna Siddhartha School of Engineering, Siddhartha Academy of Higher Education Deemed to be University, organized a 40-hour Value Added Course titled “Cyber Security in Industrial Automation” from 14th March to 19th April 2025 in hybrid mode in association with Technospark IT Solutions, Vijayawada.

The sessions were handled by resource persons from Technospark IT Solutions, Vijayawada, focusing on cybersecurity concepts in industrial automation, industrial control system security, network security, threat detection, vulnerability assessment, secure communication protocols, and best practices for protecting critical industrial infrastructure. A total of 30 III B.Tech. EIE students participated in the course, gaining practical knowledge and hands-on exposure to cybersecurity challenges and solutions in modern industrial automation systems.

The program was coordinated by Dr. C. S. S. Anupama, Associate Professor, EIE.



Value Added Course on “Industrial Instrumentation Reality: Case-Study-Based Learning for Engineering Thinking”

The Department of Electronics and Instrumentation Engineering, Siddhartha Academy of Higher Education Deemed to be University, organized a 40-hour Value Added Course titled “Industrial Instrumentation Reality: Case-Study-Based Learning for Engineering Thinking” from 14th March to 11th April 2026 in association with instruX Technologies Private Limited, Kakinada.

The sessions were handled by Mr. Surya Seshu Kumar N, Instrumentation and Control Engineer, instruX Technologies Private Limited, focusing on real-world industrial instrumentation practices, measurement systems, temperature, pressure, flow and level measurement, signal transmission, grounding and shielding techniques, troubleshooting methodologies, and case-study-based analysis of industrial failures. A total of 50 II B.Tech. students participated in the course, gaining practical exposure to industrial instrumentation systems, engineering decision-making, and problem-solving approaches used in process industries.

The program was coordinated by Mr. G. Jalalu, Assistant Professor and Dr. S. Srinivasulu Raju, Assistant Professor (Selection Grade), EIE.



Value Added Course on “Python Django Full Stack in Microservices”

The Department of Electronics and Instrumentation Engineering organized a **40-hour Value Added Course on “Python Django Full Stack in Microservices”** from **15th December 2025 to 31st January 2026** in association with **Standard Solutions, Vijayawada**. The objective of the course was to provide students with practical knowledge of full-stack web application development using Python Django and microservices architecture, enabling them to develop scalable and industry-ready web applications.

The sessions were conducted by experts from **Standard Solutions, Vijayawada**, with **62 students** actively participating in the course. The outcome of the course was that students gained hands-on experience in Python Django development, database integration, RESTful APIs, and microservices, enhancing their software development skills and improving their employability in the IT industry.

The program was coordinated by Mr. V.N.Prudhvi Raj, Associate Professor, EIE.

Value Added Course on “Python Flask Full Stack in Microservices”

The Department of Electronics and Instrumentation Engineering organized a **40-hour Value Added Course on “Python Flask Full Stack in Microservices”** from **15th December 2025 to 31st January 2026** in association with the **Society for Learning Technologies, Vijayawada**. The objective of the course was to familiarize students with Python Flask framework, full-stack web development, and microservices-based application design to meet current industry requirements.

The sessions were delivered by experts from the **Society for Learning Technologies, Vijayawada**, with **62 students** participating in the course. The outcome of the course was that students acquired practical skills in developing web applications using the Flask framework, implementing microservices, and integrating backend technologies, thereby strengthening their programming abilities and preparing them for software development careers.

The program was coordinated by Mr. V.N.Prudhvi Raj, Associate Professor, EIE.

Value Added Course on “Industry 5.0”

The Department of Electronics and Instrumentation Engineering, Siddhartha Academy of Higher Education Deemed to be University, organized a 40-hour Value Added Course titled “Industry 5.0” from 11th to 25th October 2025 in association with CodenPlay Robotics, Bengaluru.

The sessions were handled by **Mr. Manikandan P, Solution Architect, CodenPlay Robotics, Bengaluru**, focusing on PLC programming, Node-RED, industrial communication protocols, and digital twin simulations using Factory I/O and Simumatik. A total of 39 III and IV B.Tech. students and one technical staff participated in the course, gaining hands-on exposure to automation, IoT, and smart manufacturing technologies aligned with Industry 5.0 concepts.

The program was coordinated by Mrs. K. Vijaya Lakshmi, Assistant Professor and Mr. V. Naga Prudhvi Raj, Associate Professor, EIE.

