Department of Computer Science & Engineering – Data Science

CONSOLIDATED REPORT VALUE ADDED COURSES

Objective

To provide students with practical exposure and advanced technical knowledge through Value Added Courses in emerging technologies and industry-oriented technologies.

Outcome

Students gained knowledge in React Development, Docker Containerization, and Django Web Framework. The courses improved their technical skills, programming abilities, problem-solving skills, practical implementation capabilities, and awareness of modern software development technologies.

The Department of Computer Science & Engineering – Data Science organized a series of Value Added Courses for II and III Year DS students during September 2024. The programs were conducted successfully with active participation from students and faculty members. These courses were designed to bridge the gap between academic learning and industry requirements by focusing on practical applications and skill enhancement.

The following Value Added Courses were conducted:

S.No	Course Title	Faculty Coordinator	Date	Time	Venue
1	React	P. Priyanka	03-09-2024 to 08-09-2024	02:00 PM – 04:00 PM	MBA Seminar Hall
2	Docker	V. Indrani	24-09-2024 to 29-09-2024	09:00 AM – 11:00 AM	MBA Seminar Hall
3	Django	P. Srinivas	17-09-2024 to 22-09-2024	11:00 AM – 12:45 PM	CSE Seminar Hall

Dr. C. V. Krishna Reddy, Director, NNRG, motivated the students by explaining the importance of Value Added Courses in improving employability skills and technical competency. He encouraged students to actively participate in such programs to strengthen their practical knowledge and industry readiness.

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Prof. V. Indrani, Head of the Department of Data Science, addressed the students and highlighted the importance of emerging technologies and continuous learning. She encouraged students to actively participate in the sessions and make effective use of the learning opportunities provided through these courses.

Faculty member **P. Priyanka** conducted the **React** sessions and explained the fundamentals of React, components, JSX, props, state management, event handling, React hooks, routing, and API integration. Students gained practical knowledge in developing dynamic and interactive web applications using modern front-end technologies.

Faculty member **V. Indrani** conducted the **Docker** sessions and explained containerization concepts, Docker architecture, images, containers, Docker Hub, Docker commands, container deployment, and application virtualization. Students gained hands-on experience in deploying and managing applications efficiently using Docker technology.

Faculty member **P. Srinivas** conducted the **Django** sessions and explained the Django framework, project structure, models, views, templates, URL routing, forms, database connectivity, authentication, and web application deployment. Students gained practical exposure to full-stack web application development using the Django framework.

The sessions were highly interactive and student-centered. Faculty members clarified doubts, conducted practical demonstrations, and encouraged students to participate actively in discussions and activities. The students showed great interest and enthusiasm throughout the courses.

Overall, the Value Added Courses were highly beneficial in enhancing students' technical knowledge, programming skills, communication abilities, and confidence. The programs successfully created awareness about modern software technologies and prepared students for future academic and career opportunities.

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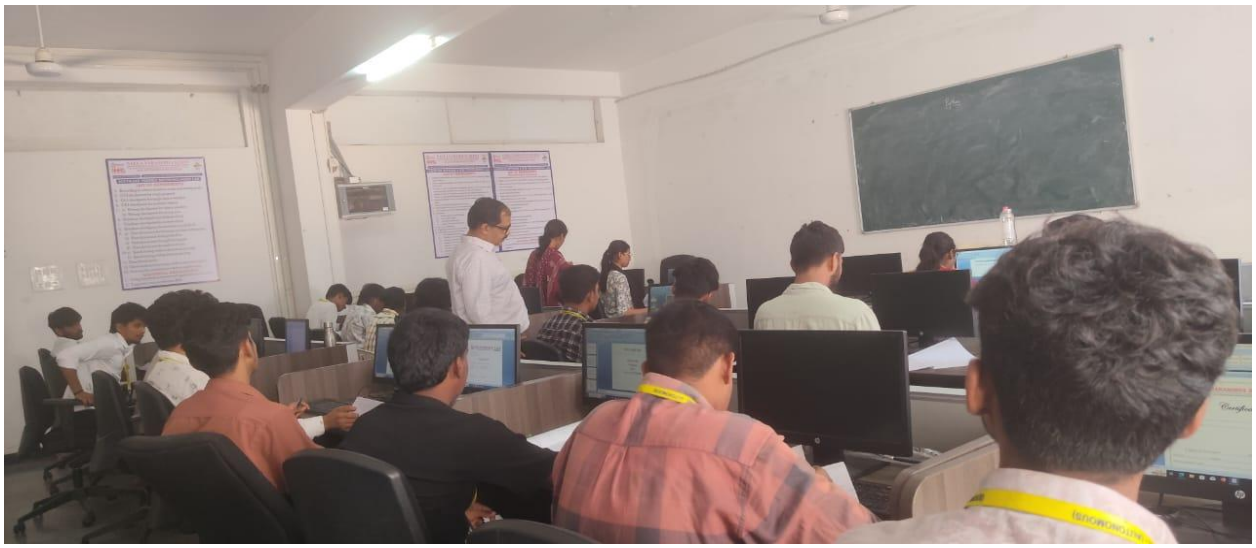

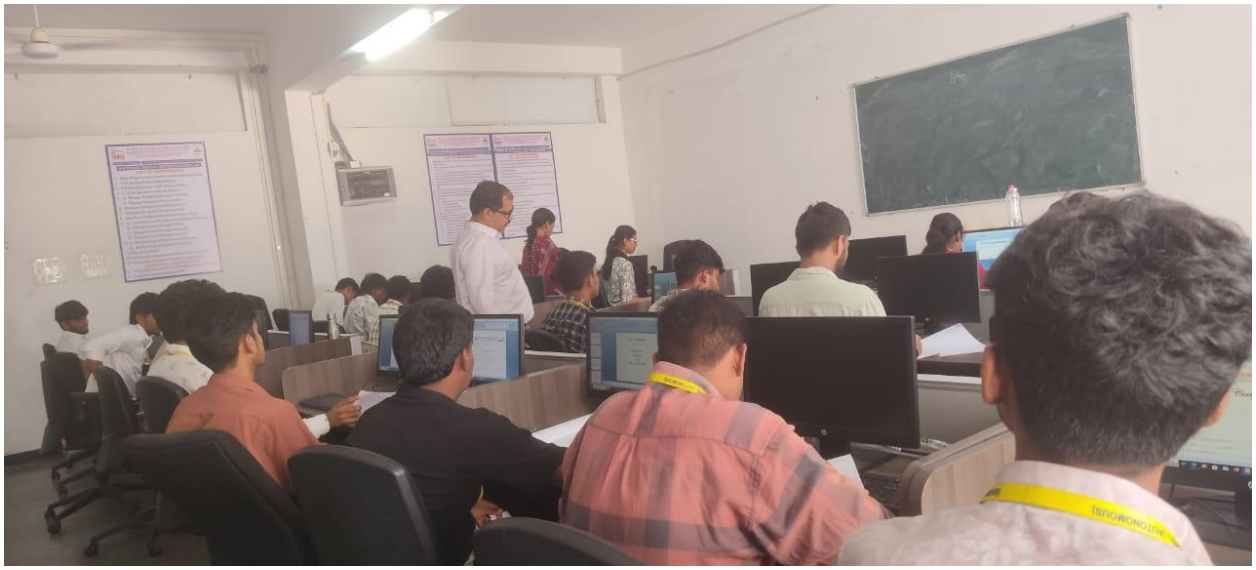

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