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 research-oriented areas.

Outcome

Students gained knowledge in Research Methodology, Python Programming, and Computer Networking concepts. The courses enhanced their technical skills, analytical thinking, problem-solving abilities, practical implementation skills, and awareness of current industry technologies.

The Department of Computer Science & Engineering – Data Science organized a series of Value Added Courses for II and III Year DS students during March 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	Paper Research	V. Indrani	18-03-2024 to 23-03-2024	09:00 AM – 11:00 AM	MBA Seminar Hall
2	Python Scripting	P. Priyanka	26-03-2024 to 30-03-2024	09:00 AM – 11:00 AM	MBA Seminar Hall
3	CISO Packet Computer Network	G. Sri Ramya	26-03-2024 to 30-03-2024	02:00 PM – 04:00 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 **V. Indrani** conducted the **Paper Research** sessions and explained research methodology, literature survey techniques, technical paper writing, citation methods, research ethics, and publication procedures. Students gained awareness about academic research practices, documentation standards, and the process of preparing quality research papers for journals and conferences.

Faculty member **P. Priyanka** conducted the **Python Scripting** sessions and explained Python fundamentals, data types, operators, conditional statements, loops, functions, lists, tuples, dictionaries, file handling, and exception handling. Students gained practical programming knowledge and learned to develop Python-based solutions for real-world applications.

Faculty member **G. Sri Ramya** conducted the **CISO Packet Computer Network** sessions and explained networking fundamentals, OSI and TCP/IP models, IP addressing, routing concepts, switching techniques, network protocols, and packet analysis using simulation tools. Students gained practical exposure to computer networking concepts and enhanced their understanding of network configuration and troubleshooting techniques.

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, research skills, communication abilities, and confidence. The programs successfully created awareness about modern technologies and prepared students for future academic and career opportunities.

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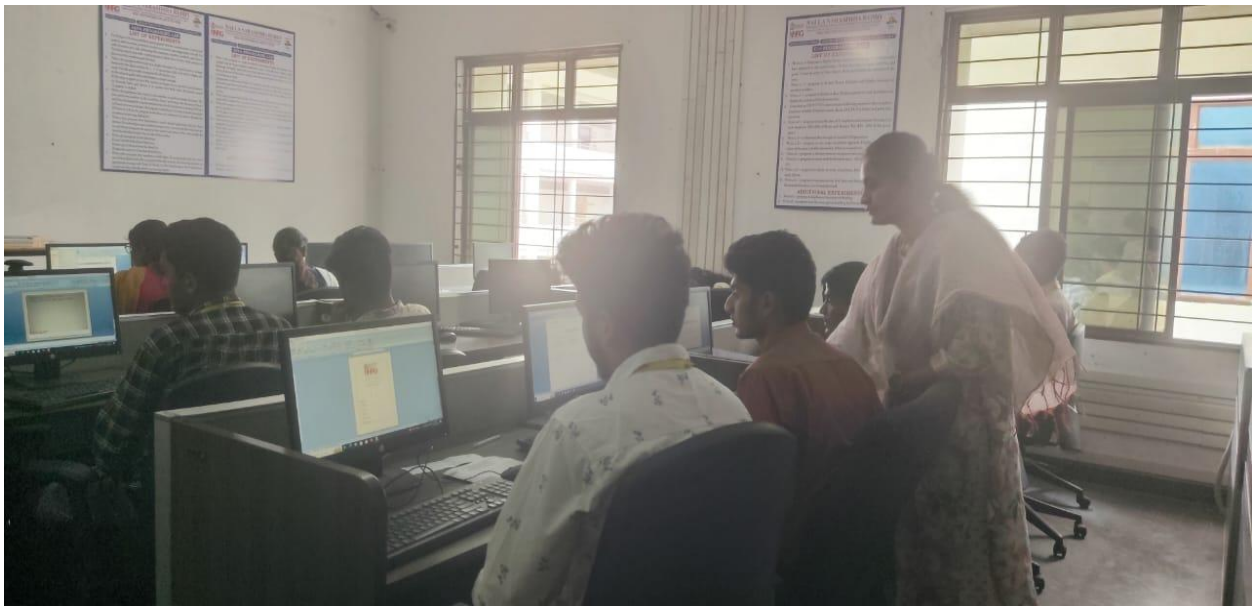

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