DEPARTMENT OF CSE 2023-24

MINDROID

Departmental News Letter

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Department of Computer Science & Engineering

St. Johns College of Engineering & Technology
Accredited by NAAC, Approved by AICTE, Recognized by UGC under 2(f) & 12(B),
An ISO 9001:2015 Certified Institution and Affiliated to JNTUA, Anantapuramu
Yerrakota, Yemmiganur-518 360, Kurnool Dt., AP

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Vision of the Department:

To achieve academic excellence through education in computing and create intellectual and professionals to explore higher educational, research, and social opportunities.

Mission of the Department:

DM1: To provide high-quality computer education in both the theoretical and practical aspects of Computer Science and Engineering to educate the student to apply programming skills and solve real-world problems

DM2: To impart learning by educating students with social awareness, conceptual knowledge, and hands-on practices using modern tools and competency skills.

DM3: To prepare students to be research by conducting cutting-edge investigations in various domains and development in computer science

Programme Educational Objectives (PEOs)

The following PEOs are designed to be attained by all our graduates within 3-4 years of their graduation.

- Able to Design, Code, Develop and Integrate new software solutions and implementation.
- Prepare graduates to practice their profession with ethics, integrity, and social responsibility in a global context.
- Graduates will be able to stimulate continuing education with their existing knowledge in the field of Computer Science and Engineering.

Program Specific Outcomes

On successful completion of the Graduation, Graduates of Computer Science and Engineering will be able to:

PSO1: Comprehension, evaluation, and creation of software solutions for effective computer-based system design for real world problems.

PSO2: Enhance their ability to handle various projects in cross-disciplinary domains, solve problems in the wide scope of idea research, and evaluate environmental and social issues ethically.

About Department:

The Department of Computer Science and Engineering (CSE) was established in the year 2001 with a modest intake of 60 in B.Tech (CSE), besides an additional 20% of intake under lateral entry scheme for Diploma holders. The Department has well qualified faculty members. The Department is also supported with non-teaching staff. The first year of under graduate program follows semester system right from first year. Curriculum is designed with a provision for electives and inter-disciplinary courses.

The Department regularly conducts Guest Lectures, Expert Lectures, Seminars, Workshops and Add-on courses for the benefit of the students. Students are also encouraged to participate in technical symposiums/conferences conducted by various organizations. About 10 students are attached to a mentor to guide, motivate and counsel them in academic and career guidance.

About 500 alumni of the Department are placed through placement and training centre of the College during last ten years. The alumni of CSE who have imbibed ethics, human values and professionalism have made their mark in reputed organizations in India and Abroad.

Programme Outcomes (POs)

1. **Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Faculty Achievements

Dr. C.V. MADHUSUDHAN REDDY has participated in One Week National FDP on Emerging Trends In Data Analytics organized by department of CSE, RGMCET & Faculty Development Cell JNTU Ananthapuramu & ISTE, AP Section held from 11-12-2023 TO15-12-2023.

Dr. C.V. MADHUSUDHAN REDDY has participated in One Week Online FDP on Antennas for 5G Communications & Beyond organized by department of ECE, Aditya Engineering College, held from 03-07-2023 TO 08-07-2023.

S.S.RAJAKUMARI has participated in Five Days Online FDP on Hands On Sessions And Excerpts Based On Iot Applications organized by SENSE & SELECT in association with the Faculty Development Center (FDC), held from18-12-2023 TO22-12-2023.

M. JAGADEESH has participated in Five Days National FDP on Emerging Trends In Data Analytics organized by department of CSE, RGMCET & Faculty Development Cell JNTU Ananthapuramu & ISTE, AP Section held from 11-12-2023 TO15-12-2023.

G. NAGAPPA has participated in Five Days Online FDP on Digital Marketing organized by ExcelR Edtech Pvt. Ltd. Held from 27-05-2024 TO 31-05-2024