

# MINDROID

Departmental News Letter

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Department of  
Computer Science & Engineering



**St. John's 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.

## 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.

## Events

### SEMINAR

PHP for beginners provides knowledge of PHP scripting language. Session will help to learn PHP scripting language easily. This PHP covers all the topics of PHP such as introduction, control statements, functions, array, string, file handling, form handling, regular expression, date and time, object-oriented programming in PHP, math, PHP MySQL, PHP with Ajax, PHP with jQuery and PHP with XML. PHP is an open-source, interpreted, and object-oriented scripting language that can be executed at the server-side. PHP is well suited for web development. Therefore, it is used to develop web applications (an application that executes on the server and generates the dynamic page.)



PHP performs system functions, i.e. from files on a system it can create, open, read, write, and close them.

## Group Discussion

Computer Science & Engineering department conducted a program on Jan 12. "NATIONAL YOUTH DAY". Group discussion by students gives the importance of youth activities in science and technology. Observed Swamy Vivekananda birth anniversary and memorized ideals for which he lived and worked could be a great source of inspiration for the Indian Youth. He had given a speech at the Parliament of the World's Religions in Chicago and glorified India's name.



National Youth Day is celebrated every year across the country to honour the ideas of Swami Vivekananda, one of India's greatest spiritual and societal leader. It is celebrated to create awareness among the youth of India to get them very knowledge about the importance of their role in developing the country. And also playing a pivotal role in the process of nation-building. It is used to generate a positive attitude towards the people.