Computer Science & Engineering

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About Our College

The **RISE KRISHNA SAI PRAKASAM GROUP OF INSTITUTIONS** (An integrated campus) established in the year 2009 under the society RISE, which stands for Rural Institute of Social and Economic Empowerment, to offer unparalleled Engineering, Management and Computer Education. The most competent, dedicated and technical human resources in the campus sharpen students and their skills. They thereby, shall be sure to make the greatest possible strides both in their career and life.

Department of Computer Science and Engineering

The department of Department of Computer Science & Engineering was established in the year 2009 with an intake of 60 students. Our under graduate program educates the students to get knowledge on programming, problem analysis, design and implementation. The department is enriched with qualified, experienced and committed faculty members. The department has good infrastructure and is equipped with full-fledged laboratories.

VISION

To be a center of excellence in computer science and engineering for value-based education to serve humanity and contribute for socio-economic development

MISSION

- Provide professional knowledge by student centric teaching-learning process to contribute software industry.
- Inculcate training on cutting edge technologies for industry needs.
- Create an academic ambiance leading to research.
- Promote industry institute interaction for real time problem solving.

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Program Educational Objectives (PEOs)

- **PEO 1:** Develop software solutions for real world problems by applying Mathematics, Science and engineering principles.
- **PEO 2:** Function as members of multi-disciplinary teams and to communicate effectively using modern tools.
- **PEO 3:** Pursue career in software industry or higher studies with continuous learning and apply professional knowledge.
- **PEO 4:** Practice the profession with ethics, integrity, leadership and social responsibility.

Program Specific Outcomes (PSOs):

- **Domain Knowledge:** Apply the Knowledge of Programming Languages, Networks and Databases for design and development of Software Applications.
- **Computing Paradigms:** Understand the evolutionary changes in computing possess knowledge of context aware applicability of paradigms and meet the challenges of the future.

Program Outcomes:

PO No	Description
PO1	**Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2	**Problem analysis:** Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3	**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.
PO4	**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.
PO5	**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.
PO6	**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.
PO7	**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.
PO8	**Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9	**Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10	**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.
PO11	**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.
PO12	**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.

A Two-day online workshop on "Database Collaboration Networks" is held on 13th June 2020 to 14th June 2020 by Mr. B Narayana Rao, TechLead in Tech Mahindra, Hyderabad.

A Three-day online Faculty Development Program on "Microsoft Azzure Cloud Awareness Programme'' is held on 3rd July 2020 to 5th July 2020 by Mr. P Satya Kumar, Synxa Technologies, Hyderabad.

A Five-day online National Level Faculty Development program on "Deep Learning" is held on 27th July 20 to 31st July 2021 by Dr. A Sankaran, Associate Professor, Manakula Vinayagar Institute of Technology, Puduchery.

Programmes conducted and attended from June to Sept 2020

S.No	Date	Topic of the Event	Faculty Coordinator	Resource Person	No. of Participants
1	13-06-2020 To 14-06-2020	A Two-day Workshop on "Database Collaboration Networks"	Mr. G. Kishore Assoc. Professor	Mr. B Narayana Rao TechLead in Tech Mahindra	105
2	03-07-20 To 05-07-20	A three-day Faculty Development Programme on "Microsoft Azzure Cloud awareness Programme"	Mr. D. Rajesh Assoc. Professor	Mr. P. Satya Narayana, Synxa Technologies, HYderabad	107
3	27-07-2020 To 31-07-2020	A Five-Day National Level Faculty Development Programme on "Deep Learning"	Mr. A. Sathiyaraj Assoc. Professor	Dr. A. Sankaran Associate Professor, Manakula Vinayagar Institute of Technology, Puducheri	102

ACADEMIC PLAN FOR NEXT THREE MONTHS (OCT-DEC 2020)

1. A Three Day workshop on Oracle Database SQL Programming Industrial visit for III B.Tech

students.

2. Workshop on Data Science in Dec'20 for III and IV B.Tech students.

3. Aptitude training classes for II B. Tech students.