WARTECH

KPRIT Imagine. Innovate. Inspire. **KOMMURI PRATAP REDDY INSTITUTE OF TECHNOLOGY**

Department of Computer Science & Engineering

WARTECH, July-December 2018 VOL 3, Issue1

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Vice Chairman:

Sri Kommuri PrashanthReddy

Secretary:

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Dr. D. Marlene Grace

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Mrs. K. Suparna

Mr. A Venugopal

Student Members:

M.Leela

Nawaz Sorathia

About The College

KommuriPratap Reddy Institute of Technology was established in the year 2008 by KommuriPratap Reddy Educational Society (KPES). The College is ideally located in a green campus of 12 acres land and is a place which is away from pollution but not far away from the city. The College is well connected by both private and public transport.

The College has state of the art laboratories, spacious class rooms and well established Library to cater to the student'sneeds. The whole campus is Wi-Fi enabled and has good internet connectivity. The College has good separate hostel facilities for Boys and Girls. The College has a hygienic canteen which provides good food to the staff and students of the college.The College also has a medical room with a Doctor and support staff.

Chairman's Message

It gives me immense pleasure and satisfaction that the Department of CSE is coming out with this latest edition of Newsletter. This Newsletter is a reflection of the facilities and the achievements of the Department. I wish all the best to the Department in its endeavors.

Vice Chairman's Message

I wish to express my happiness and gratitude to the Department of CSE on the happy occasion of the release of Newsletter. The Newsletter highlights the achievements of students and staff. All the Best!!.

Secretary's Message

I am happy to note that the Department of CSE is bringing out a Newsletter highlighting its achievements. I wish this department brings more and more Laurels to the College. I take this opportunity to wish you all the best.

Principal's Message

It is my pleasure to congratulate the editorial board on this pleasant occasion of releasing the newsletter for the period January to June 2019. It is great to find a considerable number of winners and participants in co-curricular and extracurricular activities which certainly prove that our staff and students are adequately equipped and possess necessary quality skill-sets to bring such laurels to the institution.

I wish that this number may grow in the years to come. I am sure that publishing a newsletter of this sort containing the achievements of the CSE family will be recognition to them. I wish them all the very best for future endeavors.

Head of the Department Message:

Greetings from the Department of CSE, KPRIT Engineering College HYDERABAD. It gives immense pride & pleasure to lead the Computer Science and Engineering of this prestigious institution.

The department has specialized faculty in all important areas of Computer Science such as Image Processing, Computer Networks, Natural Language Processing, Cloud Computing, Information Retrieval and Data Mining etc...The department works in the direction of nurturing the faculty and exposing them to world.

Class infrastructure by proving world class training outside college campus. We provide ample opportunities to our faculty and students under the Departmental Association through seminars, workshops, guest lectures and non-technical activities. Our department consists of various computer laboratories giving the scope to all students for hands-on-experience individually, which will increase the confidence to face the Industry.

Vision

The Vision of the Department is to provide leading programs in computer science whose graduates are recognized as innovative and well-prepared computing professionals.

Mission

The Department of Computer Science and Engineering teaches and conducts research in computer science and engineering and provides service to the University, the region, the nation, and the world. Faculty and staff strive to develop future leaders in academics and industry, with excellent technical skills, strong characters, and interesting learning abilities.

Program Educational Objectives (PEOs)

PEO's	Statement
PEO1	The graduates of Computer Science and Engineering will have successful career in technology.
PEO2	The graduates of the program will have solid technical and professional foundation to continue higher studies.
PEO3	The graduate of the program will have skills to develop products, offer services and innovation.
PEO4	The graduates of the program will have fundamental awareness of industry process, tools and technologies.

Program Outcomes (POs)

Engineering Graduates will be able to:

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, review 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.

PO.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.

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.

Program Specific Outcomes (PSOs)

PSO1	**Foundation of mathematical concepts**: To use mathematical methodologies to crack problem using suitable mathematical analysis, data structure and suitable algorithm.
PSO2	**Foundation of Computer Science:** The ability to interpret the fundamental concepts and methodology of computer systems. Students can understand the functionality of hardware and software aspects of computer systems.
PSO3	**Foundation of Software development:** The ability to grasp the software development lifecycle and methodologies of software systems. Possess competent skills and knowledge of software design process.

About The Department

The Computer Science & Engineering Department offers UG & PG courses:

B. Tech in CSE

M. Tech in CSE

The Department of CSE has several Research areas of interest depending

upon the faculty interest. Broadly the areas of interest identified are:

1. Computer Networking
2. Data Mining
3. Computational Intelligence
4. Financial Time Series Forecasting
5. Predictive Systems
6. Data Base Security & Cryptography
7. Cloud Computing etc.

The department has four state-of-art laboratories equipped with latest technologies that help the students to perform practical's and also carry out their project works. Most of the faculty members also make use of these laboratories to pursue their research.

Some of the facilities available are

a) Operating Systems Lab using C/C++ Compiler software.
b) Linux programming lab using Redhat/Fedora/ Ubuntu software
c) Database Engineering Lab using Oracle and Werk software.
d) Computer Programming lab which has 60 computers with Turbo C/C++ compiler and MS office packages.
e) Case tools and Web technologies Lab installed with Apache Tomcat, HTML and Selenium.
f) Complier Design lab
g) IT work shop lab, which has 30 computers. IT mainly deals with physical components of the computer, Installation of OS, Software and Hardware trouble shooting.

Department has its own Library which helps the faculty and students to refer text books. The Department also has a repository of projects done by the students.
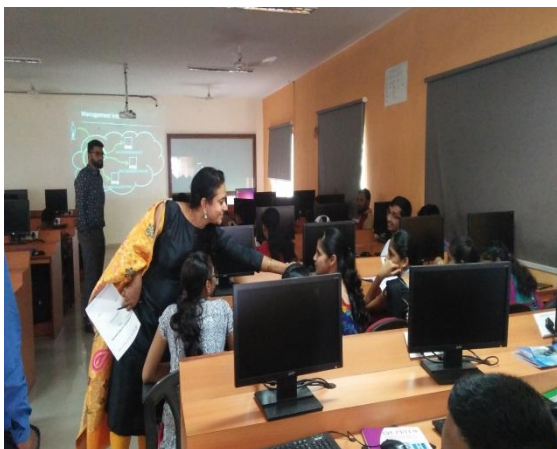
Objectives

The department of CSE is continuously making efforts to improve the teaching learning process. Various methods are used apart from the traditional chalk &talk in the class rooms. The faculty is strongly encouraged to adopt various innovative methods like using Power point presentation and audio visual representations.

Guest lecturers / Seminars:

- All the faculty of CSE department participated in a workshop on

"Android Workshop" by E.Raju, ACE Web ACADEMY on 29-09-2018.

- All the faculty of CSE department participated in a one day workshop on "Cloud Computing AWS" byK.Kranthi Kumar, Oracle Associate, AmplisoftPvt Ltd, Hyderabad by Bhilva Tech Solutions on 29-09-2018.

Faculty Participations:

1. All the faculty of CSE department participated in one week faculty development program on "Outcome based Education"

organized by E& ICT Academy, National Institute of Technology, Warangal at KPRIT from 29th june-5th July 2018.

2. Dr.D.EswarandDr.D.Marlene Grace professor from CSE department attendeda workshop on "Siemens Centre of Excellence for Research and SkillDevelopment",Organized by NIT, Warangal on 6th October, 2018.

3. Dr.D.Marlene, professor from CSE department Participated as a delegate in the 4th World Summit on Accreditation organized by NBA, "Challenges & Opportunities in Outcome Based Accreditation" during September 7th-9th 2018 at The Ashok Hotel, New Delhi.

Paper publications

K.B.TripuraSundari,
A.Prakash,K.Suparna, R.Krishna Nayak,published a paper "Using Raspberry PI to DESIGN Smart Mirror applications",IJETST,ISSN: 2348-9480 Vol5 ISSUE 4 Pages 6585-6589 April 2018.

A.Venugopalpublished a paper "Use of ambiguous threat intelligence for safe diagnosis of software utilizing cyber

threat intelligence in SDN Security" 2 April 2018.

Student Achievements

M. Taneesh Reddy 2nd year first Semester CSE bearing Roll no: 17RA1AO542 gained aggregate 8.7 CGPA with first topper in the College.

17RA1AO542
M. Taneesh Reddy

Student's Voice

The department cherishes the thoughts of students and strives to make them real.It encourages every student to think creatively. I believe that "We don't have to be great to start, but we have to start to be great. So I feel proud to be a CSE student of KPRIT.

16RA1A0505
N. Bhavani
B.Tech CSE 3rd Year

Up Coming Events

- Industrial visits for 2nd,3rdand 4th year CSE students along with staff.

- Planning for Guest lectures and Seminars on new trends and techniques.

- Planning to organise FDP for faculty members.

- Workshops and Technical fest is going to be organising by CSE department for coming semester.