KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

(An Autonomous Institute under Kakatiya University, Warangal)

Warangal, Telangana - 506 015

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Estd : 1980
KITSW

foCuS

Newsletter

Issue 17
December-2018

VIEWS

> It gives me immense pleasure to know that the next issue of newsletter is ready. I congratulate all those who have contributed in bringing this out. I appreciate the efforts of the editor board in collecting the information related to this newsletter.
>
> **Dr. K. Ashoka Reddy**
> Principal, KITSW

> It's a pleasure to announce the release of foCuS which majorly comprises articles with the updates in the latest technology. The unique feature of this newsletter is that it is being planned and designed by the students.
>
> **Dr. P. Niranjan**
> Prof. & Head
> Department of CSE

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Vision

Attaining center of excellence status in various fields of Computer Science and Engineering by offering worthful education, training and research to improve quality of software services for ever growing needs of the industry and society.

Mission

- Practice qualitative approach and standards to provide students better understanding and profound knowledge in the fundamentals and concepts of computer science with its allied disciplines
- Motivate students in continuous learning to enhance their technical, communication, and managerial skills to make them competent and cope with the latest trends, technologies, and improvements in computer science to have a successful career with professional ethics.
- Involve students to analyze, design and experiment with contemporary research problems in computer science to impact socio-economic, political and environmental aspects of the globe.

Program Educational Objectives (PEOs): B.Tech

- Graduates with fundamental knowledge should escalate the technical skills within and across disciplines of Computer Science Engineering for productive career by maintaining professional ethics.
- Graduates should develop and exercise their capabilities to demonstrate their creativity in engineering practice and exhibit leadership with responsibility in teamwork.
- Graduates should refine their knowledge and skills to attain professional competence through life-long learning such as higher education, research and professional activities.

Program Specific Outcomes (PSOs): B.Tech

- **Software Development and Quality assurance:** Transform various legacy or manual systems into computer automated systems using Modern Programming Languages, Integrated Development Environments, and apply Testing Tools for efficient verification and validation of those software systems

- **Maintenance:** Demonstrate knowledge in fixing and updating multidisciplinary software problems working in real time environment.

- **Immediate professional practice:** Work as a software practitioner or continue higher education by adopting advanced technologies in various fields of computer science and Engineering.

Program Outcomes (POs): B.Tech

- **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **Problem analysis:** Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

- 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.
- 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.
- Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
- 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.
- 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.
- Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- 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.
- 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.
- 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 Outcomes (POs): M.Tech

- Engineering Knowledge: An ability to independently carry out research/ Investigation and development work to solve practical problems.
- Problem Analysis: An ability to write and present a substantial technical report / document.
- Design/Development of solutions: Students should be able to demonstrate a degree of mastery over as per the Specialization of the program. The mastery should be at a level higher than the requirements in the appropriate bachelor program.

Program Specific Outcomes(PSOs): M.Tech

- Software Development and Quality Assurance: Apply the Knowledge and current technologies of software engineering to Pursue Research over complex problems of Computer Science domains.
- Maintenance: Equipped with the Industry Ready, Teaching Skills and Entrepreneurship Capabilities.
- Immediate Professional Practice: plan, manage and assess effectively the software products by using the Software Engineering Concepts and Methodologies.

SUMSHODHINI-2K18 EVENTS AND WORKSHOP

Dazzle hunt

Tested basic knowledge of programming, guaged the concentration and typing skills, and general knowledge

Paper Presentation

Students were evaluated based on their presentation skills on technical topics

Logix V2

Logix tested the logical thinking of students and problem-solving using C programming language

Workshop conducted as a part of Sumshodhini'18

Machinelearningisan applicationofartificial intelligence(AI)thatprovidessystemsthe abilitytoautomaticallylearnandimpr ove from experiencewithoutbeingexplicitly programmed. Machinelearningfocusesonthedevel opmentofcomputerprograms thatcan accessdataanduseit to learnforthemselves

The process of learning begins with observations of data in order to look for patterns in data and make better decisions in the future. The primary aim is to allow the computer to learn automatically.

WORKSHOP "SIMPLIFIED MACHINE LEARNING"

Resource person : Mahesh Pappu, Co-founder, UniAway

Department Association Activities

The Association hour events of the department of Computer Science & Engineering for the academic year 2018-2019 are as follows:

S.NO	DATE	Name of Activity
1.	04.01.2019	CSE Association Orientation
2.	11.01.2019	Cultural Association hour
3.	18.01.2019	Talent hunt
4.	25.01.2019	Technical Quiz
5.	01.02.2019	Senior junior interaction
6.	08.02.2019	Power of Internships
7.	15.02.2019	Discretion(Syllabus Coverage Factor)
8.	22.02.2019	Group Discussion
9.	01.03.2019	Idea presentation
10.	08.03.2019	Discussion

CSE Association Committee Members:

C.Srinivas
Associate Professor

N.C.Santosh Kumar
Assistant Professor

Successfully conducted a "hands-on Python programming language" workshop.

Resource Person:Mr. Nishant Agrawal, Senior Analytics Specialist at Opera Solutions.

HANDS-ON PYTHON WORKSHOP

Centre of excellence: BOTLAB

A step towards automation and department's way to shape growing innovation in the minds of young brilliant students. Provides facilities like automation through machine learning based technologies, etc.
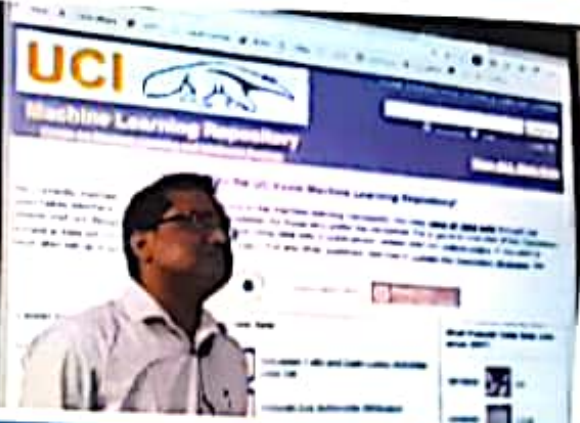
Department Achievements

UG-Programme accreditation extended for one year by National Board of Accreditation. F.No.11-76-2010-NBA Dt. 29.3.2018.

Dr. P. Niranjan, Professor and Head of the department received AICTE Grant for conduction of FDP on "Big Data Analytics using R-Tool".

Faculty Development Programme

One-week Induction Program entitled "BIG DATA ANALYTICS USING R-TOOLS" Sponsored by AICTE Indian Society for Technical Society (ISTE), New- Delhi. Objectives of the Induction Program: To expose the Faculty/ Research Scholars/ Students in emerging technologies in the areas of Big Data Analytics.Outcomes of the Induction Program: Upon successful completion the training program participants should be able to participate and contribute as a Data Science Team Member on big data and other analytics projects.
Resource person:Dr.Gaurav Kumar, Director, Magma Research

Faculty achievements:

PhD's pursuing/awarded:

Name of the faculty	PhD status	Institute pursuing from	Year
P. Anil	Awarded	NIT-Warangal	2018-2019
G. Rekha	Registered	K.L.U, Vijayawada	2018-2019
G. Ashmitha	Registered	Career Point University, Rajasthan	2018-2019
MohdSharfuddinWaseem	Registered	NIT-Trichy	2018-2019
Sai Rama Krishna	Registered	NIT-Trichy	2018-2019
S. Swapna	Registered	O.U, Hyderabad	2018-2019
Other competitive achievements:			
R Swapna	Qualified in UGCNET-July 2018		2018-2019
A Praveen	Qualified inUGC NET-Dec 2018		2018-2019

Books Published by the Faculty of CSE

Dr. P. Niranjan, and Siripuri Kiran authored a book titled "Startup C- A Path for Programming", Publication: Lulu Publications

Siripuri Kiran authored a book titled "Information Technology for Manager's-A Practical Approach", Publication: Lulu Publications

Students achievements:

✓ Mohammed Ehsan, B17CS138, won the first prize for presenting a paper titled "Convolutional Neural Networks for Visual Recognition" at Technozion'18.

✓ Mohammed Ehsan, B17CS138 co-authored paper titled "A Novel Framework for Detection of Morphed Images using Deep Learning Techniques" with Mohammed Sharfuddin Waseem, Assistant Professor presented at International Conference on Computational Vision and Bio Inspired Computing (ICCVBIC 2018)

Students placed during the odd semester of the academic year 2018-19

Roll No.	Name of the Student	Selected for the Company	Roll No.	Name of the Student	Selected for the Company
			B15CS109	A. SADHWIN SAI SREE VARDHAN	Mphasis
			B15CS122	MANDHADI SRAVAN REDDY	Mphasis
B15CS001	JULURU SUCHITH KUMAR	GGK Tech.	B15CS136	SIRIMALLA MOUNIKA	Mphasis
B15CS012	VODDINENI AKARSHA	GGK Tech.	B15CS140	VYDYAM SAI VANDANA	Mphasis
B15CS064	THOTA YASHWANTH	GGK Tech.	B15CS161	VANGALA SRAVANI	Mphasis
			B15CS173	RUDRA SNEHA	Mphasis
B15CS171	VANGALA SAI RAM	GGK Tech.	B15CS001	JULURU SUCHITH KUMAR	TCS-Ninja
B15CS021	PRASANNA SAI CHANDRAGIRI	Value Labs	B15CS009	VAIRAGYAM SAI TEJA	TCS-Ninja
B15CS041	SANDARAGIRI SAI SUREKHA	Value Labs	B15CS012	VODDINENI AKARSHA	TCS-Ninja
B15CS062	VEDIRE SINDHUJA REDDY	Value Labs	B15CS021	PRASANNA SAI CHANDRAGIRI	TCS-Ninja
B15CS067	BOLLENA SANTHOSH KUMAR	Acheron	B15CS027	ALLA ANEESH	TCS-Ninja
B15CS124	THOTA LAXMI SINDHUJA	Acheron	B15CS028	PALADUGU UMA SAI BHARATH	TCS-Ninja
B15CS172	VEMULA SATHVIKA	Acheron			
B15CS015	KANDI SANDEEP REDDY	TCS-Codevita	B15CS037	KALLEPALLI VARAPRASAD	TCS-Ninja
B15CS032	THAKUR MANSI	TCS-Codevita	B15CS047	MANVITHA KODATI	TCS-Ninja
B15CS105	PERALA DEEPIKA	TCS-Codevita	B15CS051	MEDARAMETLA MEGHANA	TCS-Ninja
B15CS049	AREPALLY VEERENDHAR REDDY	Mphasis	B15CS061	THUNGATHOORTHY SAI MANVITHA	TCS-Ninja
B15CS053	PARVATHI NITHISHA	Mphasis	B15CS063	GANDE MANIKANTA	TCS-Ninja
B15CS063	GANDE MANIKANTA	Mphasis	B15CS064	THOTA YASHWANTH	TCS-Ninja
B15CS072	VADICHERLA PRIYANKA REDDY	Mphasis	B15CS065	M. SAI KARTHIK	TCS-Ninja
B15CS095	BETHAMALLA SAI KRISHNA	Mphasis	B15CS070	SHAIK KHAJA MOINUDDIN	TCS-Ninja
B15CS096	CHANDUPATLA DINESH REDDY	Mphasis			

B15CS072	VADICHERLA PRIYANKA REDDY	TCS-Ninja
B15CS076	WAYPOORI ABHIJEET	TCS-Ninja
B15CS090	MALLURU SHRAVYA	TCS-Ninja
B15CS099	BAIRY VARSHITH REDDY	TCS-Ninja
B15CS116	AYESHA NAZNEEN	TCS-Ninja
B15CS123	K PRAVALLIKA CHOWDARY	TCS-Ninja
B15CS136	SIRIMALLA MOUNIKA	TCS-Ninja
B15CS138	DHEERAJ VARMA BUDDE	TCS-Ninja
B15CS159	BANDI ROHITH REDDY	TCS-Ninja
B15CS169	VEERAMALLA SANDEEP REDDY	TCS-Ninja
B15CS088	KONDLE ROHITH REDDY	TCS-Ninja
B15CS103	MARIGANTI SATYA VARSHINI	Aliens Group
B15CS005	NALLALA HARISHMA	Znalytics
B15CS008	NALLA RAMYA NANDINI	Znalytics
B15CS017	KATAM VIHARIKA	Znalytics
B15CS020	PENTALA SOUMYA	Znalytics

B15CS094	MUTHYALA NIKHIL RAJ	Znalytics
B15CS108	ASIYA MUBEEN	Znalytics
B15CS119	ZEBA KOUSAR	Znalytics
B15CS137	UPPALA NAGAVEENA	Znalytics
B15CS147	V. VENKATA NAGA MRUNALINI	Znalytics
B15CS150	ADEPU PREM SAI	Znalytics
B15CS152	SUNKARANENI AUGUSTHYA	Znalytics
B15CS164	KARRA DEEPAK	Znalytics
B15CS079	POTLAPALLY KAVYANJANI	Aliens Group
B15CS038	PULUGU ARUN REDDY	Hyundai Mobis
B15CS029	DOMAKUNTLA VISHNUVARDHAN	AD3i
B15CS030	NALUMACHU RAVALI	AD3i
B15CS044	NARESH GOPULARAM	AD3i
B15CS052	PAMBIDI RAMYA	AD3i
B15CS066	BANDI SRITEJA	AD3i
B15CS104	GOUNDLA ROHITH KUMAR GOUD	AD3i
B15CS111	KOTHAPALLI SHRAVYA	AD3i
B15CS042	KATTA RANJITH	Raam Group
B15CS004	POLSANI AJAY	Modak Analytics
	VANTERU DEEPA REDDY	Modak Analytics
	PAMBIDI RAMYA	Modak Analytics
	VELUDANDI BINDHU SAHITHI	Modak Analytics

Few Listed Companies in Placements

ALIENS GROUP
'INTELLIGENT LIVING'

ACHERON

HYUNDAI MOBIS

RAAM GROUP

modak analytics
data • insights • decisions

Mphasis
The Next Applied

TATA
TATA CONSULTANCY SERVICES

Value Labs
inspired by potential

znalytics
The Competitive Advantage

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