



COGNIZANCE

Newsletter of Computer Science & Engineering Department



Excellence through Career Vision Approach TM

Vision

To achieve academic and research excellence in essential technologies of Computer Science and Engineering by promoting a creative environment for learning and innovation.

Mission

To provide dynamic, innovative and flexible curriculum which equip the students with the necessary, problem driven skills to strengthen their career prospects and potential to pursue higher studies.

To foster inquisitive-driven research among students and staff so as to reinforce the domain knowledge and address contemporary societal issues.

To inculcate ethical values, leadership qualities and professional behavior skills for improving the living standards of people.



**VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI
INSTITUTE OF ENGINEERING AND TECHNOLOGY**

An Autonomous Institute, NAAC Accredited with A++ Grade
NBA Accredited for CE, EEE, ME, ECE, CSE, EIE, IT B.Tech Courses
Approved by AICTE, New Delhi, Affiliated to JNTUH
Recognized as "College with Potential for Excellence" by UGC

EAMCET CODE: VJEC

PGECE CODE: VJEC1



Head of the Department



Mrs. B V Kiranmayee

COGNIZANCE is envisaged as a platform for highlighting scientific and technological innovations and reflecting the talent and achievements of the department in curricular, technical, and placement activities.

Editor-in-Chief



Dr. C Kiran mai
Professor

COGNIZANCE is a source of comprehensive information about all the activities going on in the Computer Science Department.

This newsletter is released once in every semester and focuses on the current status, possible developments and the participation of students and staff in developmental programmes.

Editors



Mr. N Sandeep Chaitanya

Welcome to the 2rd edition of COGNIZANCE, Our new Biannual edition designed especially to showcase the list of Events, Publications & Initiatives of our Department. I hope this edition provides the entire things happened from July to Dec 2018.

You enjoy this vol 2 and do let us know if there are any topics you'd like to see covered in the future..



Mr. Ch Sri Sumanth

The window to the CSE department can be covered by COGNIZANCE. You can peek into it to know all about the department.

Workshops Attended by Faculty

Name & Designation	Place	Topic	Date
P Venkateswara Rao - Asst.Prof	IIT Hyd	Privacy and security in social media	03.11.2018
A.Kousar Nikhath - Asst.Prof Dr.Ch.Suresh - Asst.Prof	Mathworks, Hyderabad	Artificial Intelligence & signal Processing using MATLAB	05.12.2018
Y.Bhanu Sree, - Asst.Prof	Ambedkar University, Hyderabad	UGC Accreditation Workshop	01.10.2018
Dr.Rakhee - Asst.Prof	BITS-Pilani, Hyderabad	R programming	17-18.11.2018
R.Vasavi - Asst.Prof	Vasavi College, Hyderabad	Machine learning	28-30.11.2018
Y.Bhanu Sree - Asst.Prof	NIT Warangal	Machine Learning in Speech Processing	12-17.11.2018
K.Venkata Ramana, - Asst.Prof S.Swapna - Asst.Prof	EPAM	Software Engineering Best practices	12-23.11.2018
P.Venkateswara Rao - Asst.Prof T.GnanaPrakash - Asst.Prof	Vasavi College, Hyderabad	Machine Learning using Python	29.11-05.12.2018
R.Vijaya Saraswathi - Asst.Prof N.Sravani - Asst.Prof	VNR VJIET	Block Chain Technology and its Applications	17-21.12.2018
Dr.A.Brahmananda Reddy - Assoc.Prof Dr.P.Subhash - Assoc.Prof P.Venkateswara Rao - Asst.Prof	CMR College, Hyderabad	Service Now Certification and Jobfair	5.10.2018
Dr. T Sunil kumar - Assoc.Prof Dr. Y Sagar - Assoc.Prof	Dr. Veda Sharan, Hyderabad	How to write a synopsis	5.11.2018
Mr.P.Venkateswara Rao - Asst.Prof	Govt. Degree College, Hyderabad	AWT, Swings & JDBC	09.11.2018
Dr.N.Sandhya M.Gangappa Dr.T.Sunil Kumar Dr.Y.Sagar Dr.A.Brahmananda Reddy M.Manasa Devi M.Ravi Kanth L.Jai Vinita Priyanka Singh S.Kranthi Kumar	VNR VJIET	Respondent Privacy, Data Security, and Estimation Quality in Sample Surveys	29.11.2018
Dr.C.Kiran Mai, - Professor	Dr.N.G.P.Art and Science College, Coimbatore	Quality Measures In Higher Education	4-5.12.2018
Dr.A.Brahmananda Reddy - Assoc.Prof	CMR College, Hyderabad	ICACCT - 2018	21.12.2018

Faculty Publications

Faculty	Title	Publication
Dr. C.Kiran Mai	An NDVI based Spatial Pattern Analysis for Spatial Image Classification	International Journal of Applied Engineering Research
Dr.G.Ramesh Chandra	Geometrical Properties of 3-D Images and Its Uses in 3-D Image Processing	International Journal of Computer Science and Information Security
Dr.N.Sandhya	Analysis of SAR images Texture using RIM Support Vector Machines	ARPN Journal of Engineering and Applied Sciences
	Mathematical Modeling of Rayleigh Type Surface Waves	International Journal of Research in Electronics and Computer Engineering
	Implementation of Power Law Model For Assessing Software Reliability	Proceedings of the Second International Conference on Computational Intelligence and Informatics
Dr.P.Neelakantan	Study of Architecture Implementation of Cloud Storage	International Journal of Research and Analytical Reviews
Dr.M.Rajasekhar	Security Issues in IOT	IOSR Journal of Engineering
	Analysis of SAR images texture using rim support vector machines	ARPN Journal of Engineering and Applied Sciences
	Mathematical Modeling of Rayleigh Type Surface Waves	International Journal of Research in Electronics and Computer Engineering
	Mathematical Modeling of Rayleigh Waves by GA-SVM Approach	International Journal of Research in Electronics and Computer Engineering
B.V.Kiranmayee	An Efficient Secure Protocol for integrity checking of data files outsourced to remote server	International Conference on I-SMAC(IOT in Social, Mobile, Analytics and Cloud)
V.Baby	PASSCODE DETECTION USING THE COLOR GRID	Journal of Emerging Technologies and Innovative Research
Dr.S.Nagini	An Efficient Secure Protocol for integrity checking of data files outsourced to remote server	International Conference on I-SMAC(IOT in Social, Mobile, Analytics and Cloud)
Dr.P.V.Siva Kumar	Efficient quantum cryptography technique for key distribution	Journal European des Systems Automatizes
	Different Methodologies on Block chain Consensus Models- A Survey	International Journal of Research and Analytical Reviews
N.V. Sailaja	Experimental Analysis on 20 Newsgroup Dataset for Rough Set aided Text Categorization	International Conference on New Trends in Information and Technology

Faculty Publications

Faculty	Title	Publication
A.Kousar Nikhath	Identifying Malicious Applications in Social Networking Sites like Facebook	Journal of Applied Science and Computations
D.N. Vasundara	Implementation of Dynamic Keyword Query Suggestions on Geo Location using Document Proximity	International Journal of Computer Sciences and Engineering
	Implementation of Spatial Images Using Rough-Set Based Classification Techniques	International Conference on New Trends in Information and Technology
R.Vasavi	Identifying Malicious Applications in Social Networking Sites like Facebook	Journal of Applied Science and Computations
R. Vijaya Saraswathi	Multi-stage Key Management Scheme for Cluster based WSN	International Journal of Communication Networks and Information Security
P. Radhika	Development of a Modular Unit of a Higher Level Framework or Tool for Basic Programming Course Teaching Through E-learning Mode	TELKOMNIKA (Telecommunication, Computing, Electronics and Control)
	Mapping Of Pulmonary Disease Ontology Terms Using Graph Stream	International Journal of Computer Sciences and Engineering
G.Naga Raju	MST Parser for Telugu Language	International Conference on Computational Intelligence & Informatics
R.Kranthi Kumar	Secure Data Retrieval using CP-ABE Scheme in Military Networks	International journal on future revolution in Computer science & communication engineering
P.Venkateswara Rao	Intimate Web Reversion Based on Framework in addition Gratified Keywords through Potential Criticism	International Journal of Computer Sciences and Engineering
N. Sandeep Chaitanya	Usage of DHS and De-duplicating Encrypted Data using ABE & ECC for Secured Cloud Environment	International Conference on I-SMAC(IOT in Social, Mobile, Analytics and Cloud)
P. Bharath Kumar	Development of a Modular Unit of a Higher Level Framework or Tool for Basic Programming Course Teaching Through E-learning Mode	TELKOMNIKA (Telecommunication, Computing, Electronics and Control)
S.Renu Deepthi	Implementation of Power Law Model For Assessing Software Reliability	Proceedings of the Second International Conference on Computational Intelligence and Informatics

Faculty Publications

Faculty	Title	Publication
B.Srivani	Implementation of Power Law Model For Assessing Software Reliability	Proceedings of the Second International Conference on Computational Intelligence and Informatics
P.Rama Krishna	Development of a Modular Unit of a Higher Level Framework or Tool for Basic Programming Course Teaching Through E-learning Mode	TELKOMNIKA (Telecommunication, Computing, Electronics and Control)
	Mapping Of Pulmonary Disease Ontology Terms Using Graph Stream	International Journal of Computer Sciences and Engineering
N.Lakshmi Kalyani	Mapping Of Pulmonary Disease Ontology Terms Using Graph Stream	International Journal of Computer Sciences and Engineering
S.kranthi kumar	Efficient quantum cryptography technique for key distribution	Journal European des Systems Automatizes
	Different Methodologies on Block chain Consensus Models- A Survey	International Journal of Research and Analytical Reviews
K.Kamakshaiah	SABE: Efficient and Scalable-Filtered Access Control in Distributed Cloud Data Storage	Springer, Smart Computing and Informatics
M. Venkata Krishna Rao	Different Methodologies on Block chain Consensus Models- A Survey	International Journal of Research and Analytical Reviews

FDPs Organized

Event	Beneficiaries	# of Participants	Resource Person(s)
Hadoop framework and Big Data Tools	Staff from CSE and IT Dept	23	Mr.Rajkumar - Caggemini
"Applied Cryptography and Security Machanisms"	Faculty of CSE	48	Dr Padmavathi N Sandeep Chaitanya S Kranthi Kumar Dr Sureesh Babu Mr Sainath

Show and Tell

Student

17071D5809- Venkata Sai

17071D5810- Sravan

17071D5811- K.Sandesh

Project

An IoT based fire alarm system

Predicting mechanical properties of steel using data science techniques

Voice controller using raspberry pi

Industrial Tours

Students

II B.Tech Students & I M.Tech Students.

II B.Tech Students

II B.Tech Students & I M.Tech Students

IV Year

Industry Visited

INCOIS

TCS

NRSC[National Remote Sensing

Microsoft

Location

Hyderabad

Hyderabad

Hyderabad

Hyderabad

Certificate Courses

Title

ServiceNow

AR and VR

Students

IV B.Tech

II and IV year students

Swayam - NPTEL

Faculty Certified

25

Students Certified

67

Awards and Recognitions

Dr Rakhee Awarded PhD degree from BiTS Hyd

Dr K Kamakshaiah Awarded PhD degree from SVU Tirupati.

Mr S Kranthi Kumar Asst.Prof , Dept of CSE had got GRA Governor Award

Mr P Venkateshwar Rao Asst.Prof , Dept of CSE cleared "Service Now Application Developer" Global Exam

Results (2018-19)

IV Year I Sem: 91%

III Year I Sem: 86%

II Year I Sem: 88%

I Year I Sem: 95%

Placement Details

366 placements of which 200 individual placements.

Avg package of 5.1 lacs

Highest Package of 11 lacs (JP Morgan & Chase-17 members)

Employability Skills Training by Being Zero Pvt Ltd , Hyd

Seminars/ Workshops Organised for Students

Technical Training by Suntek Corporation

JPMC Code for Good(CFG) -2018” Training Session by CSE Alumni Students

Academic Partner Program by Service Now

Pre-placement talk by TCS for Digital hiring process for 2019 graduating batch

“Coding Assessment Test” by Smart Interviews

Online Assessment test on “Verbal & Reasoning”

A Session on “Deloitte risk Arena “ By Mr.Kalyan, Deloitte Deligate

WISE Student Graduation Parade at Microsoft, Hyderabad.

Offline WISE app presentations through Skype to Microsoft Mentors.

Training Session on “Advanced problem solving”

Project Based Training Session on “Service NOW”

Project Based Training Session on “Mobile Application Development”

Workshop on “Take Action Now”

Seminar on “Career Guidance on Opportunities at Global Level”

Orientation Session on “Take action Now”

“Career Guidance Session”

“Tech Mania” Conducted by CSI

Workshop on “Cliq Trix App Building Contest”

Seminar on “Introduction to Block chain Basics & History” (NPTEL Videos)

Session on Coding Skills

Internship at Blaze technologies, Hyderabad.

Training Session on “Advanced problem solving Coding Skills” by Amith Bansal, Smart Interviews.

Cocubes Assesment Test

Project Based Training on “Internet of Things”

“Winning Women Challenge” at JPMC office.

Course Based Project A Session on “Personality Development”

Session on “R Programming”

Interactive Session by JPMC in collaboration with CSI on the occasion of Engineers Day by P.Subba Rao, MD, JPMC

Project based training on “Artificial Intelligence & Machine Learning ” by Mr.Manish Jain

Project based training on “Augmented Reality & Virtual Reality” by Microsoft Eduknect.

Project based training on “Mobile Application Development” by Mr.M.Baswaraj, IV B.tech CSE Student, VNR VJJET

Project Based Training on “IOT” by G.Srinivas Reddy, director of ISACA, Hyd.

Workshop on “Machine Learning” Conducted by IT Dept, VNR VJJET

Future of work in the Era of Big data & Artificial Intelligence” By Arizona University

Advanced Problem Solving - Coding Skills Training by Mr.Amith Bansal, Smart Interviews

Project Based Training on “Mobile Application Development” by Mr. M.Baswaraj, IV B.Tech CSE

Project Based Training on “Augmented reality & Virtual Reality” by Microsoft Educonnect Team

“Service Now Training “ By Mr.P.Venkateswara Rao

Project Based Training on “IoT” by G.Srinivasa Reddy, Director of ISACA, Hyderabad

Guest Lecture on “My Journey from student to Entrepreneur” by N.Divya (Alumni).

“MATLAB” Seminar by Loren Shure

Workshop on “Machine Learning” at IITH.

“Coding Assessment Test”

“ACM ICPC” Coding Contest

“Mind Seeker” by CSI

Awareness on “Deep Learning”

Training on “ACM ICPC”

Prilims round of Online Testing of ACM ICPC.

Seminars/ Workshops Organised for Students

Induction Program- Interactive Session

Induction Program - Interactive Session on R&D

Guest lecture on “How to write a synopsis”

Project Based Training on “Artificial Intelligence & Machine Learning”

Project Based Training on – “Augmented Reality & Virtual Reality” by

“Service Now Training “

Course Based Projects Evaluation

Reconduction of Service Now Global Certification Mock Test

Project Based Training on “Deep Learning”

Advanced Problem Solving Skills

“ACM ICPC Coding Contest” at GNIT Kolkata.

Presentation on National Mathematics Day conducted by H&S Dept

Quiz on National Mathematics Day conducted by H&S Dept

Project Based Training on “Machine Learning”

Problem Solving Skills by Smart Interviews.

Project Based Training on” Python”

Project Based Training on “Block Chain Technology”

Project Based Training on “R Programming”

Offline Wise Program at Microsoft.

Technology Entrepreneurship Programme(TEP)

“Coding Session” conducted

“DBS Hack to Hire” Hackathon

Service Now Grand Mock test

Guest Lecture on “Software Development Life Cycle & Soft Skills

2 Day workshop on “Ethical Hacking”

Project Based Training on “Machine Learning”

Project Based Training on “Augmented Reality & Virtual Reality”

How is Machine Learning and Artificial Intelligence solving Current Industry and Research Challenges”

5- Day Short Term Training program on “Applied Cryptography and Security Mechanisms”

Certification Course on “Augmented Reality & Virtual Reality”

Career Vision

Topics

A Structure of Block Chain and other Data Structures
Graduate Program in Computer Science & Discussion on Research Areas and Opportunities
Hash Algorithm
Summer Internship Program by Career Launchers from THUB
Projects in B.Tech
Technical
Career vision orientation
Sports for health
Inspirational Talk
Entrepreneurship
Skill set for First year students
Creative Ideas
VNR Differentiators-RCC
Career Guidance

Students Association's Activities(CSI)

Events

AWARENESS ON HIGHER EDUCATION IN US(BELL STATE UNIVERSITY)
TWO DAY CSI ORIENTATION PROGRAM FOR 1ST YEAR STUDENTS
CONGREGATE SESSION ON TEACHERS DAY
EXPOSURE ON LATEST TECHNOLOGIES ON ENGINEERS DAY BY JPMC
GUEST LECTURE ON CYBER CRIME & FORENSICS
THREE DAY FDP ON HADOOP FRAME WORK AND BIG DATA TOOLS BY CAPGEMINI
NATIONAL TECHNICAL SYMPOSIUM CONVERGENCE
TECHNICAL EVENT MINESWEEPER FOR 1ST YEARS
TRAINING SESSION ON ETHICAL HACKING FOR 1ST YEARS
TRAINING SESSION FOR CI'S AND SI'S IN ANANTHAPUR ON ETHICAL HACKING
TRAINING SESSION FOR CI'S AND SI'S ON ETHICAL HACKING IN ONGOLE
E OUTREACH PROGRAM ON "SMART RESOURCE UTILIZATION & IMPORTANCE OF MENSTRUAL HYGIENE MANAGEMENT(MHM)" IN MPP SCHOOL AND ZPP SCHOOL IN MACHUNOOR(VILLAGE), JARASANGAM(MANDAL), SANGA REDDY(DIST), TS
SHORT TERM TRAINING PROGRAM ON APPLIED CRYPTOGRAPHY & SECURITY MECHANISMS



DEPARTMENT OF CSE



TEAM COMPUTER SOCIETY OF INDIA (CSI)



CELEBRATIONS IN THE DEPT OF CSE



E-Outreach Program Importance of MHM



E-Outreach Program Digitalization in Rural Areas



Best Project Award by TCS



Best Social Impact Project



Convergence Reloaded 2018

Department of Computer Science & Engineering
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