



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: VIEC

PGECETCODE: VIEC1



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 1st 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 Jan to June 2018.

You enjoy this vol 1 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
A.Madhavi,Assistant Professor	JNTU Sultanpur	Machine learning and predictive Data Analytics using R	22-2-18 to 24-2-18
M.Gangappa,Associate Professor	JNTU Sultanpur	Machine learning and predictive Data Analytics using R	22-2-18 to 24-2-18
Dr.Deepak Sukheja, Assistant Professor	VNRVJIET	How to write good project Proposals	23-2-2018
Dr.CH.Suresh, Assistant Professor	VNRVJIET	How to write good project Proposals	23-2-2018
Dr.M.Rakasekhar, Assistant Professor	VNRVJIET	How to write good project Proposals	23-2-2018
Dr.P.Subhash,Associate Professor	VNRVJIET	How to write good project Proposals	23-2-2018
Dr.A.Brahmananda Reddy, Associate Professor	VNRVJIET	How to write good project Proposals	23-2-2018
Dr.K.Kamakshaiah, Assistant Professor	VNRVJIET	How to write good project Proposals	23-2-2018
Rakhee, Assistant Professor	VNRVJIET	How to write good project Proposals	23-2-2018
Dr.G.Ramesh Chandra,Professor	HICC,Hyderabad	World Congress	19-2-18 to 21-2-18



Faculty Publications

Faculty	Title	Publication
Dr.G.Ramesh Chandra	Automatic Identification of Criminal from Surveillance Videos by using CNN	International Journal of Research
Dr.P.Neelakantan	Improving Load balancing by Flexible Assignment of Jobs in the Grid	International journal of creative research thoughts
Dr.P.Neelakantan	A Study on E-Learning and Cloud Computing	International Journal of Scientific Research in Computer Science, Engineering and Information Technology.
Dr.P.Neelakantan	An Adaptive Framework for Making Use of Cloud Computing in Creating Virtual Learning Environment at Educational Institutions	International Journal of Engineering, Technology, Science and Research
B.V.Kiranmayee	A model for NTL Detection of electricity theft	International Conference on Innovations in Electrical, Electronics, Power, Smart Grids & Advanced Computing Technologies
V.Baby	Privacy preserving association rule mining based on homomorphic computations	International Journal Information Privacy, Security and Integrity,
Dr.S.Nagini	A model for NTL Detection of electricity theft	International Conference on Innovations in Electrical, Electronics, Power, Smart Grids & Advanced Computing Technologies
M.Gangappa	An NDVI based Spatial Pattern Analysis for Spatial Image Classification	International Journal of Applied Engineering Research
Dr.Y.Sagar	A new approach to represent textual documents using CVSM	International Journal of Engineering & Technology
Dr.A.Bhramananda Reddy	A new approach to represent textual documents using CVSM	International Journal of Engineering & Technology
Dr.P.Subhash	A new approach to represent textual documents using CVSM	International Journal of Engineering & Technology
N.V. Sailaja	New roughset aided mechanisms for text categorization	Journal of information and knowledge management
N.V. Sailaja	New Rough Set-Aided Mechanism for Text Categorization	Journal of Information & Knowledge Management
D.N. Vasundara	Accuracy Assessment of rough set based SVM technique for spatial image classification	International Journal of Knowledge and Learning
T.L. Priya Darshini	Continuous and Transparent User Authentication for Secure Internet Services	International Research Journal of Engineering and Technology
G S Ramesh	Analysis of customer data using hybridized machine learning technique along with data exploration methods	International Journal of Engineering & Technology



Faculty Publications

Faculty	Title	Publication
Sravani Nalluri	Big Data for Satellite Image Processing: Analytics, Tools, Modeling, and Challenges	Book Chapter
T.Gnana Prakash	Text Extraction from Image using Python	International Journal of Trend in Scientific Research and Development
G.Naga Raju	Transition based parser for telugu language	International Journal of Engineering & Technology
N. Sandeep Chaitanya	Efficient Usage of Resources Using Data Hosting Scheme in Multi Cloud Computing	IJCMS(International Journal of Computer & Mathematical Science)
N. Sandeep Chaitanya	Implementation of DHS for Efficient usage of Resources and providing security using ECC in Multi cloud Environments	International Conference on Innovations in Electrical, Electronics, Power, Smart Grids & Advanced Computing Technologies
Kunka Bheemalingappa	A new mission-oriented routing in delay tolerant networks based opportunistic distributed caching	International Journal Research in Engineering and Applied Sciences
Dr.K.Srinivas	Comprehensive Data Analysis of Aarogyasri Scheme Progress in Telangana	Jour of Adv Research in Dynamical & Control Systems,
K.Kamakshaiah	Prototype survey analysis of different information retrieval classification and grouping approaches for categorical information	International Conference on Intelligent Computing and Control
K.Kamakshaiah	Prototype for Analytic Procedures in Bio-Informatics Data Evaluation	International Journal of Pure and Applied Mathematics
Dr Ch.Suresh	Prototype for Analytic Procedures in Bio-Informatics Data Evaluation	International Journal of Pure and Applied Mathematics
Rakhee	Energy Efficiency Load Balancing of Nodes using Soft Computing approach in WBAN",	International Conference on Harmony Search, Soft Computing and Applications
Jhansi Lakshmi Bai. K	A model for NTL Detection of electricity theft	International Conference on Innovations in Electrical, Electronics, Power, Smart Grids & Advanced Computing Technologies

FDPs Organized

Event	Beneficiaries	# of Participants	Resource Person(s)
Big Data Analytics	Staff from CSE and IT Dept	30	Dr.Manish Jain
Awareness on ICT tools	Non Teaching staff from all the Departments	30	N Sandeep Chaitanya, P Ramakrishna, P Tejaswi, Ch Sri Sumanth
Intelligent Computing & Deep Learning	Staff from CSE and IT Dept	60	Eminent Speakers from IIT's and NIT's

Awards and Recognitions

- Dr Ch Suresh Awarded PhD degree from GITAM University
- Dr A Sreenivasa Rao Awarded PhD degree from SVU Tirupati
- Runner-up at Smart India Hackathon for Intelligent Traffic Management System
- Winner Dish-a-thon hackathon conducted by dishTV at Bangalore in June 2018
- Won the ISTE Best Student Award
- TechE – Theme Winner (Block chain) in Techno Utsav by Delloitte
- Mr Basawaraj got Bronze Medal in China Innovation Fair. Patent Applied
- TCS best student project award for “Data mining approach for Brain Tumor Detection “
- 5 students were in “Top 10 “ performers in the contest conducted by “Hyderabad Coders” in 2018

Industrial Tours

Students	Industry Visited	Location
III B.Tech Students	INFOSYS	Hyderabad
III B.Tech Students	TCS	Hyderabad

Certificate Courses

Title	Students
Python Programming	II,III,IV B.Tech CSE students
PEGA	III year CSE and IT students
Bigdata Analytics and Hadoop	III, IV year B.Tech

Swayam - NPTEL

- Students with Gold Elite: 6 members
- Student Toppers: 10 Members
- Faculty with Gold Elite: Mrs V Baby Reddy, Mrs. K Jhansi Lakshmi Bai
- Faculty toppers: Ms Priyanka Singh
- Top Performing Mentor: Mrs B V Kiranmayee, Dr P V Siva Kumar, Mrs V Baby Reddy, Mrs L Indira, Mrs K Jhansi Lakshmi Bai)

Faculty Certified 16

Students Certified 97

Results (2017-18)

IV Year II Sem:	97%
III Year II Sem:	96%
II Year II Sem:	83%
I Year II Sem:	89%

Placement Details

293 placements
Avg package of 4.5 lacs
Highest Package of 12 lacs
Employability Skills Training by Being Zero Pvt Ltd , Hyd



Show and Tell Student

Project

14071A0515-PALLAVI DAMARAJU
14071A0539-MEENA NANDELLI
14071A0526-K.VAISHNAVI
15075A0507-SRINIVAS V

Predicting Heart Attacks using Neural Networks

14071A0509-B.PRANAVI
14071A0523-J.APOORVA
14071A0525-VRINDA
14071A0545-MANASWITHA

Smart Waste Management

14071A0548-SRIJA KODALI
14071A0519-B.VIJAY
14071A0531-SREEMANTH
15075A0506-M.THANUJA

An Internal Intrusion detection and prevention system by using datamining and forensic techniques

14071A05F3-N. SHIVAKUMAR
14071A05C3-ANAND
14071A05D1-D.SAI SANTHOSH
14071A05F9-SAMPATH

Object Detection using wireless controlled bot

14071A05C2-A.SAI PREETHAM
14071A05E5-M.GOUTHAM REDDY
14071A05C4-B.APARNA
14071A05H8-V.SAI SANDEEP

AI for Flash games using Convolutional Neural Networks and Deep Q Learning

14071A05H1-S.NAGA SAI TEJA
14071A05C8-CH.AJAY VARMA
14071A05E2-K.ANIL KUMAR
14071A05G3-P.RAJ KISHORE

Visual Amigo

14071A05H9-VIDISHA
14071A05G7-S.MONIKA PURNA
14071A05G1-P.KAVYA RAAJITHA
14071A05D9-K.VISHNU VARDHAN REDDY
14071A05I0-KARAN SINGH NAYAL

Real time object detection using state of art recognition

14071A05F0-MOHAMMED ANAS
14071A05E4-MADDELA PARDHU
14071A05D6-K.SRINATH
14071A05E3-MADHANU KIRAN KUMAR

Dynamic functioning and monitoring of street lighting system

14071A05A5-MEGHANA POTHINENI
14071A05A4-PAYAL ROY
14071A05M8-JAHNAVI SIRIGERI
14071A0564-KRISHNA VAMSI CHOWDARY

Sidekick: An interactive and friendly emotion detection chat bot



Seminars/ Workshops Organised for Students

Seminar on Basics of Machine learning and Artificial Intelligence

Coding Hackathon

Smart India Hackathon

Guest lecture on Agile Methodology

Seminar on Introduction to Machine learning

Infosys-TASK organized event INSPIRE

Session on Cyber Security

Training Programs on Coding skills, Bigdata and Artificial Intelligence

Seminar on student work placement & Career orientation towards various job opportunities

Guest lecture on Cyber Security

Seminar on Cyber Security

Guest lecture on IPR

Session on Internships

Contest on R Programming

TCS Remote Internship

Workshop on BIG DATA & HADOOP

Installation of informatica

Hands on informatica

Informatica Active &Passive Transformations Mappings

Integration services of Informatica power center designer workflow manager and monitoring of Active & Passive Transformations Mappings

“Big Data Analytics & Hadoop”

Guest lecture on Cyber Security

Seminar on Cyber Security

Guest lecture on IPR

Session on Internships

Contest on R Programming

TCS Remote Internship

Workshop on BIG DATA & HADOOP

Guest lecture on Agile Methodology

Asymptotic Notations

Asymptotic Notations

Inter Process Communication

Java Scripts

Data Analytics

Cluster Analysis

Data Structures

Innovative program for Start-ups and project development in collaboration with Idea Labs

Innovative program for start-ups and entrepreneurship skills in various domains like

- 1.Hackathon on bots
- 2.Workshop on AI and ML by Google inc
- 3.Entrepreneurship Stimulation game by process bee
- 4.Venture Voyage game

Hackathon



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



Dept of

DEPARTMENT OF CSE



TEAM COMPUTER SOCIETY OF INDIA(CSI)



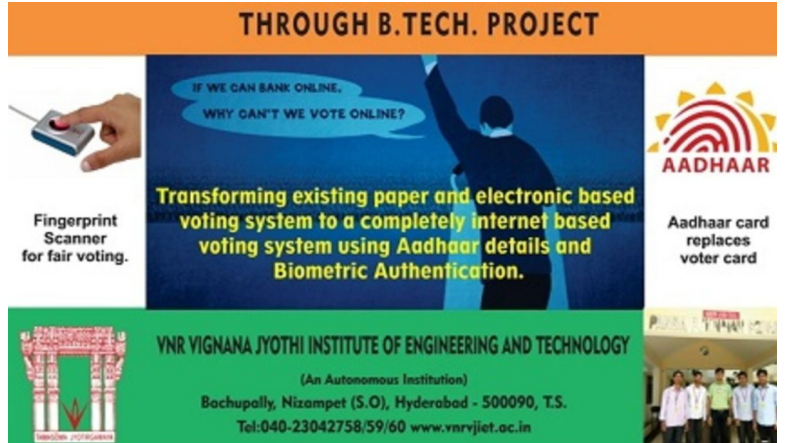
Outreach Program on Anti-Drug Rally



E Outreach program on Digitalization in Rural Areas



Runner-up at Smart India Hackathon for Intelligent Traffic Management System



Best Social Impact Project



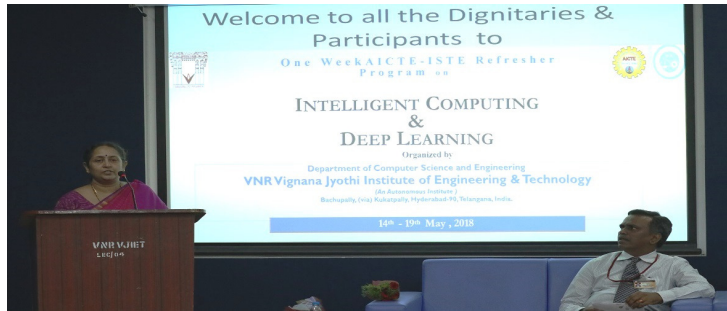
Republic Day Parade



Tarun Kumar Jaya Ram won the Campus Stars Award by Times of India



Mr Basawaraj got Bronze Medal in China Innovation Fair



One Week AICTE & ISTE Refresher Course on Intelligent Computing & Deep Learning



Winner Dish-a-thon hackathon conducted by dishTV at Bangalore



Ms Deepti Ravula, CEO, WE-HUB, Govt of Telangana giving Keynote on Technology Day

సైబర్ నేరాలపై అవగాహన అభినందనీయం

ఋషాసంగం(జమీరాబాద్): గ్రామీణ ప్రాంత ప్రజలకు సైబర్ నేరాలు, ఆన్లైన్ మోసాలపై అవగాహన కల్పించడం అభినందనీయమని ఎస్పీ ఏదకొండల పేర్కొన్నారు. శనివారం మండల పరిధిలోని మాచ్యూర్ గ్రామంలో (వీఎన్ఆర్) విజ్ఞాన్ కౌశిలీ ఇంజనీరింగ్ కళాశాల విద్యార్థుల ఆధ్వర్యంలో సైబర్ నేరాలు-ఆన్లైన్ మోసాలపై అవగాహన సదస్సు నిర్వహించారు. ఈ సదస్సుకు ముఖ్య అతిథిగా హాజరైన ఎస్పీ మాట్లాడుతూ ప్రజల్లో సైబర్ నేరాలపై చైతన్యం తీసుకురావాలన్నారు. ఇలాంటి అవగాహన సదస్సులు గ్రామాల, మండల స్థాయిల్లో నిర్వహించి అవగాహన కల్పించాల్సిన అవసరం ఉందన్నారు. ఈ సదస్సులో ప్రాధాన్యతగా మానస, సుమంతి, సంజీవ్, ఉపసర్పంచ్ దయానంద్, వాళ్ల సభ్యులు దేవప్రకాశ్, విద్యార్థులు సతీష్, హర్ష, అమూల్య, లోకేష్, చైతన్య, దివ్య, ముఖాసాద్ తదితరులు పాల్గొన్నారు.



సమావేశంలో మాట్లాడుతున్న ఎస్పీ

సాక్షి Sun, 08 April 2018

E- Outreach program on how to get ride of Cyber Attacks



TechE-Theme Winner (Blockchain) in Techno Utsav by Delloitte



Convergence 2018



E Outreach program on Digitalization in Adarsh Degree College

Department of Computer Science & Engineering

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