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COLLEGE

Vision of the Institute

To be one of the nation's premier Institutions for Technical and Management Education and a key contributor for Technological and Socio-economic Development of the Nation.

Mission of the Institute

To produce technically competent Engineers and Managers by maintaining high academic standards, world class infrastructure and core instructions.

To enhance innovative skills and multi disciplinary approach of students through well experienced faculty and industry interactions.

To inculcate global perspective and attitude of students to face real world challenges by developing leadership qualities, lifelong learning abilities and ethical values.

CSE Department

Vision of the Department

To be a choice for education in the area of Computer Science and Engineering, serve as a valuable resource for IT industry & society and exhibit creativity, innovation and ethics to cater the global challenges.

Mission of the Department

M1: To educate learners by adapting innovative pedagogies for enhancing their cognitive skills, technical competence and lifelong learning.

M2: To provide training programs and guidance to learners through industry institute partnerships, social awareness programs, internships, competitions and project works to inculcate research skills to address the global challenges.

M3: To provide opportunities for students to practice professional, social and ethical responsibilities using IT expertise with a blend of leadership and entrepreneurial skills.

Program Educational Objectives (PEOs)

PEO 1: Procure employment/progress towards higher degree and practice successfully in the CS/IT profession. (Successful Career Goals).

PEO 2: Address complex problems by adapting to rapidly changing IT technologies. (Professional Competency).

PEO 3: Gain respect and trust of others as effective and ethical team member by demonstrating professionalism and functioning effectively in team-oriented and open-ended activities in industry and society. (Leadership, Ethics and Contribution to Society).

PROGRAM OUTCOMES (PO's)

PO_1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO_2: 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.

PO_3: 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.

PO_5: 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.

PO_6: 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.

PO_7: 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.

PO_8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO_9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO_10: 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.

PO_11: 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.

PO_12: 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.

PSOs of the Department

Domain Specific Knowledge: Apply the relevant techniques to develop solutions in the domains of algorithms, system software, computer programming, multimedia, web, data and networking.

Software Product Development: Apply the design and deployment principles to deliver a quality software product for the success of business of varying complexity.

AROHAN – 2019, NATIONAL LEVEL TECHNICAL SYMPOSIUM

CSE Department of NEC, Nellore organized Arohan – 2019, a National Level Technical Symposium which started with a grand fervor on 16th March, 2019 at C Block Auditorium of Narayana Engineering College in association with CSI Student Branch. The inauguration program started with a warm welcome to everyone and a striking Audio Visual that vividly captured the details of the CSE department. Subsequently, a colorful welcome dance was presented by the III B.Tech students of CSE department. The dignitaries were honored and lit up the lamp marking an auspicious beginning to the event.

The Head of the CSE Department, Dr. B. Geethavani greeted the guests and addressed the gathering with a highlight on the achievements of the CSE department during the academic year 2018-2019, following which, the Principal Dr G.Srinivasulu Reddy garu addressed the gathering and emphasized on the importance of coming up with technological inventions that do not pollute the surroundings. Chief Guest Sri JA Chowdary, IT Advisor & Special Chief Secretary to the CM, Govt. Of A.P., addressed the gathering, JA Chowdary shared his experiences during his education and inspired the students to come out of their shells to explore and take up challenges in life by moving out of the “comfort zone” to reap success. He said that the students need to develop entrepreneurship skills and that it is something most graduates don't endeavor in India.

Four different events were conducted namely, Paper Presentation, Poster Presentation, Technical Quiz and Coding Contest. Around 220 students participated in the Symposium in various events and were awarded with mementos and certificates. Participation Certificates were also awarded to all participants.



JAM (JUST A MINUTE)

The Department of CSE has conducted JAM under the Students Association named as ASSOCIATION OF COMPUTER ENGINEERS (ACE) on 16-02-2019. The program has been inaugurated by Dr.B.GEETHA VANI, HOD at 10:30 AM. The program has been judged by A.VAMSI KRISHNA. In this program the Students from II, III, IV year B. Tech are actively participated with a great interest and made it a grand success.

After completion of the test the results were announced and the winners are declared and rewarded with prizes at 12:00 PM .The event is going to be conducted by the coordinators. In this program some of the faculty acted as supervisors and made it grand success.

Winners: First Prize: Md.Sabriya(16711A0543); III year
Second Prize: 1.C.V.S. Anirudh(16711A0564); III year,
2. D. Ranvitha (15711A0512); IV year



MCQ TEST ON C-PROGRAMMING TEST

The Department of CSE has conducted MCQ TEST ON C-PROGRAMMING TEST under the Students Association named as ASSOCIATION OF COMPUTER ENGINEERS (ACE) on 19-1-2019. The program has been inaugurated by DR.B. GEETHA VANI, HOD at 10:30 AM. In this event the Students from II, III, IV year B. Tech are actively participated with a great interest and made it a grand success.



After completion of the test the results were announced and the winners are declared and rewarded with prizes at 12:00 PM .The event is going to be conducted by the coordinators .In this program some of the faculty acted as invigilators and made it grand success.

Winners:

First Prize: K. Divya madhavi (17711A0537)

Second Prize: V. Srikavya (16711A05B6)

CH. Bargavi (16711A0510), M. Srinivas (17711A0538)

SEMINAR ON TITLED HOW TO BUILD EMPLOYABILITY SKILLS USING INTERNET

Computer Society of India (CSI) student branch of the CSE Dept in association with the Industry Institute Interaction Cell (IIIC), Narayana Engineering College, Nellore organized a Seminar titled "How To Build Employability Skills Using INTERNET" on JANUARY 31st 2019. The resource person Mr. V.Rahul Reddy, CEO of Code & Coffee Pvt Ltd, Hyderabad enlightened the audience on some of the interesting projects and their development through e-resources available, the way they can be useful in career perspective, various Internship programs and sites regarding such practices were discussed. In addition to that Rahul explores various web sites like watchandcode.com, udacity. com, udemy. com, freecodecamp.com, courseea.com, courseacademy.com regarding coding practice and good quality certified courses have been discussed with the students. Finally II BT.ECH CSE Students were excited about the session and had a lot of interesting queries answered in the program. Dr AVS Prasad-Director-Narayana Engineering & Pharmacy Colleges, Dr G.Srinivasulu Reddy-Principal, Dr B.Geethavani-HOD CSE , Mr. V. Muniraju Naidu-CSI SBC participated in the Seminar. 127 students benefitted from the seminar.



55TH CSI FOUNDATION DAY CELEBRATIONS

55th CSI foundation day celebrations at MCA SEMINAR HALL.

Computer Society of India is the first and largest body of computer professionals in India. It was started on 6 March 1965 by a few computer professionals and has now grown to be the national body. It has 75 chapters across India, 534 student branches, and 100,000 members.

The Computer Society of India is a non-profit professional meet to exchange views and information to learn and share ideas..

The Society also encourages and assists professionals to maintain integrity and competence of the profession and fosters a sense of partnership amongst members. On this occasion events like debate and seminars are conducted to students and distribute the prizes to winners.

Narayana engineering College in assistance of Principal Dr.G.Srinivasulu Reddy, CSE HOD Dr.B. GeetaVani, MCA HOD Prof. Rajini, and CSI Student branch counselor Mr. V. MuniRaju Naidu celebrates 55th CSI foundation day at MCA Seminar Hall.



TWO DAY WORKSHOP ON "ETHICAL HACKING & CYBER SECURITY"

One of the fastest growing areas in network security, and certainly an area that generates much discussion is that of ethical hacking. In today's context where the communication techniques have brought the world together; have also brought into being anxiety for the system owners all over the globe. The main reason behind this insecurity is Hacking- more specifically cracking the computer systems. Thus the need of protecting the systems from the nuisance of hacking generated by the hackers is to promote the persons who will punch back the illegal attacks on our computer systems, The Ethical Hackers.

This inspired the Department of Computer Science & Engineering to organize a Two day Workshop on Ethical Hacking & Cyber Security at Narayana Engineering College, Nellore under CSI Student Branch from 15th Feb 2019 to 16th Feb 2019 for all B.Tech & MCA Students.

This workshop was inaugurated by Dr. G. Srinivasulu Reddy, Principal Narayana Engineering College who advocated the need of Ethical Hacking with reference to the present day scenario in his inaugural speech.

Dr.B.Geethavani, Head of the Department of Computer Science & Engineering said "At protecting the data has become a biggest priority for many organization because of Hacking and it can be controlled only by producing the Ethical Hackers".

Mr Sai Sathish, CEO of Indian Servers was the Resource Person of this workshop. During his sessions he introduced the concepts of various type hackings and hackers.



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Mr Sai Sathish, CEO of Indian Servers was the Resource Person of this workshop. During his sessions he introduced the concepts of various type hackings and hackers. He explained the students about the required programming skills and other requisites very patiently.

In the valedictory Merit Certificates are distributed to the students whose performance is excellent. Finally the resource person was facilitated by the Principal, HOD and the Coordinator. 190 Students and the 3 Faculty members benefitted from the Workshop.

A ONE DAY SEMINAR ON “AMAZON WEB SERVICES”

Department of Computer Science and Engineering, Narayana Engineering College, Nellore, has organized a One day seminar for III B.Tech CSE Students on “Amazon Web Services” on 09th January 2019 under IIIC by Resource Person Mr. V.Rahul Reddy, AWS operations Engineer, Fresh Qube Innovations Pvt. Ltd., Hyderabad.

Dr. C.Rajendra Head of the Department introduced Resource person, followed by Principal Dr. G. Srinivasulu who has addressed the students stating the significance of the event for student’s career.



Mr. V.Rahul Reddy has explained the career opportunities on Amazon Web Services. In his words, Amazon Web Services (AWS) is a secure cloud services platform, offering compute power, database storage, content delivery and other functionality to help businesses scale and grow. Securely store all your files on the cloud so we can access them from anywhere.

He explained 10 giant clients attaching huge cheques for AWS.

- Netflix.
- Unilever.
- Kellogg's.
- GE.
- Zynga.
- MI.
- Pfizer.
- Samsung

Dr. AVS Prasad-Director-Narayana Engineering & Pharmacy Colleges, Dr G.Srinivasulu -Principal, Dr C. Rajendra-HOD CSE, Mr. V. Muniraju Naidu-IIIC Coordinator participated in the Seminar. 54 III B.Tech CSE students attended for the program.

WOMEN'S FORUM

PYRAMID MEDITATION

A seminar on "Pyramid Mediation" by Mediation trainer was organized by women's forum of the cse department on 29-03-19 at Srinivasa Ramanujan SEMINAR HALL, A-BLOCK. In this session the resource person S. VENKATESH WAS discussed with the students "Benefits of Pyramid Meditation" and covered the following topics

1. Improves Eyesight
2. Improves Hearing:
3. High Blood Pressure:
4. Treats Insomnia:
5. Offers Relief From Arthritis:
6. Heals Sores And Broken Bones:
7. Removes Acne And Zits:
8. Pyramids For Students:
9. Offers Energy:
10. Provides Relief From Headaches:
11. Offers Relief From Irregular Periods:
12. Improves Cognitive Abilities:
13. Balances Hormone Levels:

Pyramid meditation is an interesting, beautiful and simple way of bidding farewell to all your health problems. Once you make this a part of your life, you will start seeing a difference sooner than you imagined.



MOMENTS WITH MY MOTHER

CSE students shared their feeling with their mother and they recollected memorable moments from their childhood to this age. Some of the students expressed their emotional feelings with their parents. These kind of events will definitely help to the students to really understand the parenting and to give more respect to their parents. The resource person congratulated all the participant

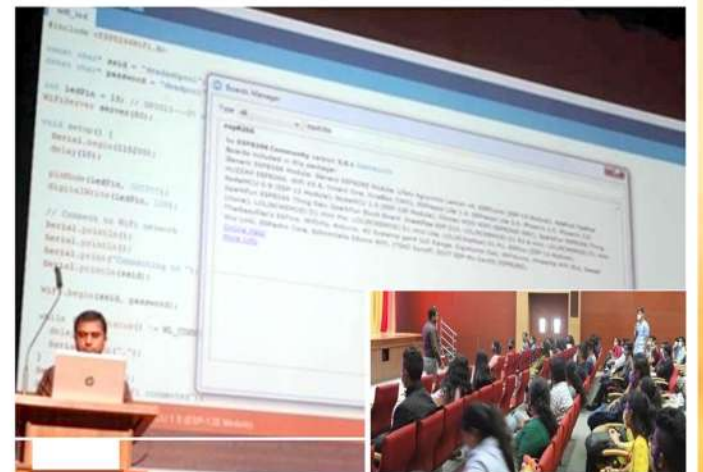
students and she finalized students as winners who expressed their views well on this particular topic. The winners are:

1. Ms. Lakshmi sarada- II B.TECH
2. Ms. Gayathri -III B.TECH
3. Ms. Poornisha-III B.TECH



"RECENT TRENDS IN IOT"

CSE department organized a Seminar on "RECENT TRENDS IN IOT" on 20th June 2019 at Sri Srinivasa Ramanujan Seminar Hall, Narayana Engineering College, Nellore. Resource person was Prof. Muralidharan, HOD, BVRIT. He delivered the brief concept of Recent Trends In IOT. The main objective of this program is to provide the basic knowledge IoT and its recent trends. The Internet of Things (IoT) is an ecosystem of connected devices and objects that can communicate with each other and exchange data.



MOBILE COMPUTING PICS



FELICITATING TO THE RESOURCE PERSON



PARTICIPANTS IN THE AUDITORIUM



RESOURCE PERSON DELIVERS THE CONCEPTS

JOURNALS & PUBLICATIONS

S. No	Name of the Author	Title of Paper	Name of the Journal	Year of Publication	ISSN No.
1.	Dr. B Geetha Vani	Reversible Data Hiding in Encrypted Images using Paillier Cryptosystem with Chaotic Maps	International Journal of Research in Engineering, IT and Social Sciences	May, 2019	2250-0588
2.	Dr. B. Geetha Vani	A Robust Fraud Detection Scheme for Identifying Fake Credit Cards Using Predictive Modelling Techniques	International Journal of Research in Engineering, IT and Social Sciences	May, 2019	2250-0588
3.	Dr. B. Geethavani	Enhanced Data Security combining Encryption And steganography	International Journal of Research in Engineering, IT and Social Sciences	May, 2019	2250-0588
4.	Dr. B. Geethavani	A Review on MRI Based Brain Tumor Detection and feature Extraction Using Image Processing and Neural Networks	International Journal of Research in Engineering, IT and Social Sciences	May, 2019	2250-0588
5.	Dr. B. Geetha Vani	A High Secure Image Encryption Using Non-Conventional Crypto Algorithm	International Journal of Research in Engineering, IT and Social Sciences	May, 2019	2250-0588
6.	Dr. B. Geetha Vani	Implementation of Image Enhancement and Image Segmentation Techniques	Journal of Analysis and Computation	June, 2019	0973-2861
7.	Dr. B. Sunil Kumar	Using Triple Data Encryption Standard Technique for Identifying Malicious User	International Journal of Research in Engineering, IT and Social Sciences	May, 2019	2250-0588
8.	Dr. B. Sunil Kumar	Segmentation and Deduplication of Information for Ideal Execution and Security	International Journal of Research in Engineering, IT and Social Sciences	May, 2019	2250-0588
9.	Mr. T. Saiprasad Reddy	Providing Accountability Against Dishonest Big Data Buyers and Sellers	International Journal of Research in Engineering, IT and Social Sciences	May, 2019	2250-0588
10.	Mr. T. Saiprasad Reddy	Trade Liability of Big Data buyers and Sellers	International Journal of Research in Engineering, IT and Social Science	May, 2019	2250-0588
11.	Mr. T. SaiPrasad Reddy	Secure and Verifiable Policy Update and Outsourcing Big Data in Cloud Computing	Journal of Analysis and Computation	June, 2019	0973-2861
12.	Mrs. D. Saritha	A Novel Method of Identification of Social	International Journal of Research in Engineering,	May, 2019	2250-0588

S. No	Name of the Author	Title of Paper	Name of the Journal	Year of Publication	ISSN No.
		Events and On-Site Users Based on Gaussian Process Regression	IT and Social Sciences		
13.	Mrs. D Saritha	Identity Based Private Matching Deployment of Over Data Encryption	International Journal of Research in Engineering, IT and Social Sciences	May, 2019	2250-0588
14.	Mr. V. Muniraju Naidu	Secure and Privacy Preserving Image Storage System in Cloud Computing	International Journal of Research in Engineering, IT and Social Sciences	May, 2019	2250-0588
15.	Mr. V. Muniraju Naidu	Dynamic Allocation and Cost-Effective Supply for Mobile Cloud Services	International Journal of Research in Engineering, IT and Social Sciences	May, 2019	2250-0588
16.	Mr. V. Muniraju Naidu.	Key Agreement and Mutual authentication in IOT networks and WSN networks	International Journal of Research in Engineering, IT and Social Sciences	May, 2019	2250-0588
17.	Mr. V. Muniraju Naidu	Interchange and Energy Attentive Routing for Various Assorted Wireless Sensor Network	Journal of Analysis and Computation	June, 2019	0973-2861
18.	Mr. R Navateja Reddy	Group Signatures Based on Elliptic Curve Cryptography Providing Anonymity in Cloud Based Healthcare Applications	International Journal of Research in Engineering, IT and Social Sciences	May, 2019	2250-0588
19.	Mr. R. Navateja Reddy	Review Free Distributed Storage by Means of Deniable Based Characteristic Based Encryption	International Journal of Research in Engineering, IT and Social Sciences	May, 2019	2250-0588
20.	Mr. R. Navateja Reddy	A Secured Voting System Based on Encryption	Journal of Analysis and Computation	June, 2019	0973-2861
21.	Mrs. G Sravani	TAG Based Image Retrieval Using Joint Hyper Graph Learning	International Journal of Research in Engineering, IT and Social Sciences	May, 2019	2250-0588
22.	Mr. J.V.S.M. Raju	Mining of Weighted Frequent Item Sets in Intelligent Systems	International Journal of Research in Engineering, IT and Social Sciences	May, 2019	2250-0588
23.	Mr. J.V.S.M. Raju	A Novel Approach for Frequent Dataset Mining with Differential Privacy in Word to Vector Data	International Journal of Research in Engineering, IT and Social Sciences	May, 2019	2250-0588
24.	Mr. J.V.S.M. Raju	A Novel Approach for Road Traffic Speed Prediction Using Multi-Source Data	Journal of Analysis and Computation	June, 2019	0973-2861
25.	Mr. S. Tamil Selvan	Novel Framework for Locating nearest Hospital that Supports Personal Insurance using Trajectory Data Mining	International Journal of Research in Engineering, IT and Social Sciences	May, 2019	2250-0588
26.	Mr. S. Tamil Selvan	Data Protection Based on Steganography in Cloud Computing	International Journal of Research in Engineering, IT and Social Sciences	May, 2019	2250-0588
27.	Mr. S. Tamil Selvan	Implementation of securing the logs in cloud forensics using steganography	International Journal of Research in Engineering, IT and Social Sciences	May, 2019	2250-0588
28.	Mr. S. Tamil Selvan	Sorting Out the Spammers and Uninvited Bloggers from Legitimate Experts on Twitter	Journal of Analysis and Computation	June, 2019	0973-2861

INTERNSHIPS

S.No	Total No. of students Taken Internship	Internship Organization	No. of students participated	Duration of Internship
1	44	INDIAN SERVERS, VIJAYAWADA	14	15-06-2019 To 25-06-2019
		NEW DIMENSIONS SOFTWARE SOLUTIONS, KANCHIPURAM	14	20-06-2019 To 5/7/2019
		VSS INNOVATIVE TECHNOLOGIES, BANGALORE	16	15-06-2019 To 10/7/2019