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Professor

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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.

## A National Level Technical Symposium "AROHAN 2K22"

Department of CSE, Narayana Engineering College, Nellore has organized a one day national level technical symposium "AROHAN 2K22" on 28<sup>th</sup> May 2022. The objective of the program is to bring the students of various streams from different institutes on a common platform, where they were encouraged to share knowledge and innovative ideas. Chief Guest Mr.Venkata Machavolu - Founder, Vice President - iQuadra Information Services LLC addressed the gathering and interacted with the students.

Dr. C. Rajendra, HOD of CSE department addressed the participants at 10.00 AM. He has explained the importance of technical symposiums for learning new technologies. Also insisted participants to be up-to-date with technologies and role of the technology in education sector



**Mr.Venkata Machavolu**  
Founder, Vice President  
iQuadra Information Services LLC



**Coding Champ Contest**



**Gaming Ninja**



**Juke Box**



**Paper Presentation**



**Photography**



**Poster Presentation**



**Quiz**

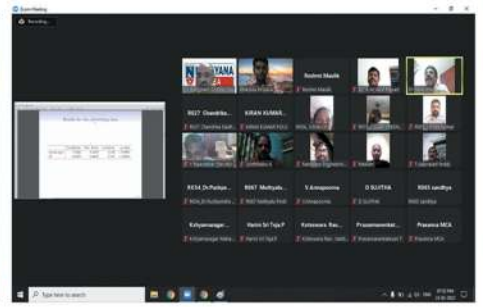
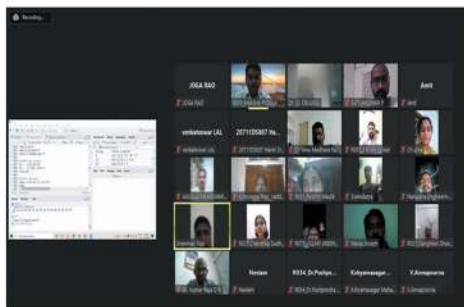
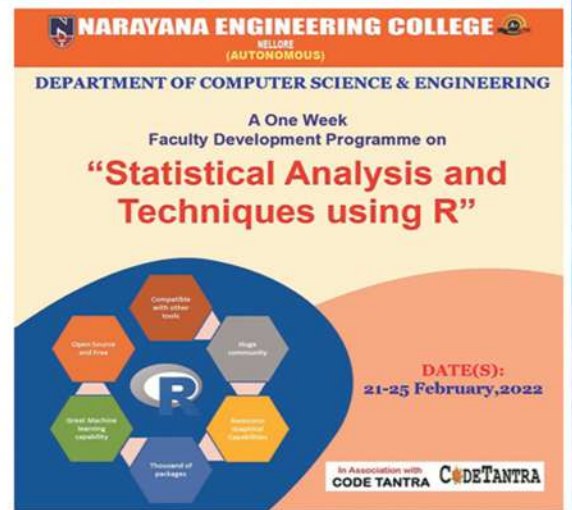


**Treasure Hunt and Pikachu Events**



# A One-Week Faculty Development Programme on “Statistical Analysis and Techniques using R” in Association with CodeTantra

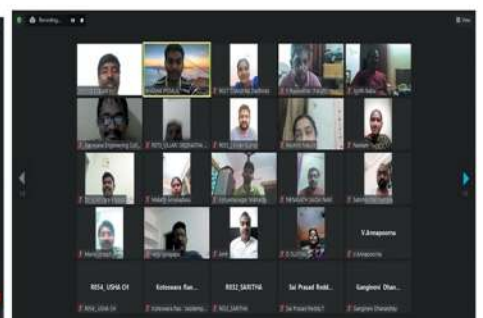
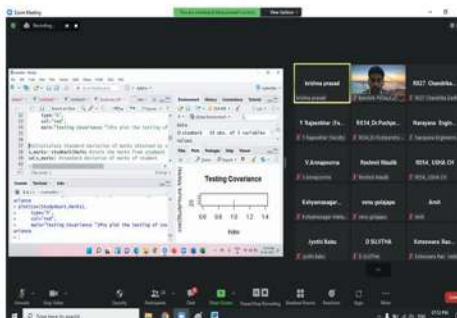
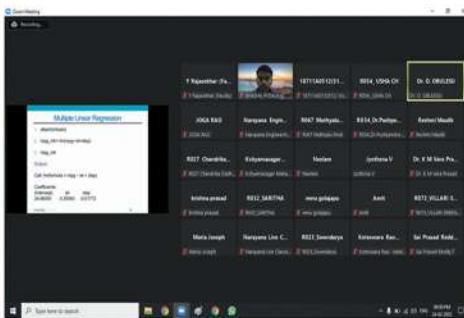
A One Week Faculty Development Programme on “Statistical Analysis and Techniques using R” was organized by the Department of Computer Science & Technology from 21<sup>st</sup> to 25<sup>th</sup> February, 2022. A total of 43 participants were participated in the FDP from different Institutions. The FDP aimed to provide opportunities to faculty members to enrich their teaching skills using Statistical Analysis and Techniques using R in their Academics & Research work. Dr. C. Rajendra, Convener of FDP welcomed all the dignitaries and participants. In the welcome speech, he highlighted the objectives of the faculty development program. He said that, if members of faculty want to develop themselves and their students, then attending such faculty development programs would enhance their skills of teaching concepts effectively.



Dr. O. Obulesu, Associate Professor, GNITS (for Women), Hyderabad delivered a lecture on Introduction to R Programming, Objects in R and Probability methods.

Dr. A. V. Krishna Prasad, Professor of IT, Maturi Venkata Subba Rao (MVSR) Engineering College, Hyderabad has delivered a lecture on Descriptive statistical analysis and Regression Models with casestudy.

Dr. G. Dhananjay, Dean-MBA Narayana Engineering College (Autonomous), Nellore has delivered a lecture on Hypothesis Testing, Graphical Analysis with case study.



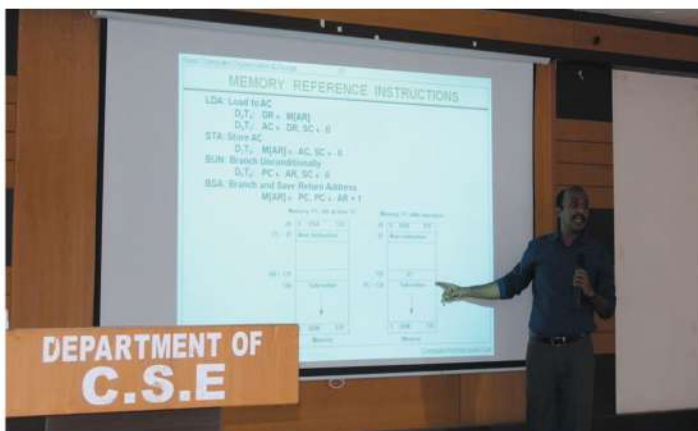
Dr. O. Obulesu, Associate Professor, GNITS (for Women), Hyderabad delivered a lecture on Regression Models, Stages of Regression, Comparison of SLR and MLR, case study on Diabetic Statistics, Linear and Non-Linear Regression, Logistic Regression, Linear Discriminating Analysis.

Dr. A. V. Krishna Prasad, Professor of IT, Maturi Venkata Subba Rao (MVSR) Engineering College, Hyderabad has delivered a lecture on Regression Testing Models with case study.

FDP Participants

## A One Day Guest Lecture on “Computer Organization & Architecture”

A one day Guest Lecture on “Computer Organization & Architecture” is conducted for II B.Tech, I Sem on 19<sup>th</sup> February, 2022. Resource person Mr. S. Shiva Prakash, Assistant Professor of CSE, SVEC, Tirupati, took over the session and deliver the lecture about the concepts of Computer Organization & Architecture – Floating point representation, Instruction types and Addressing Modes, Hardwired Control, Micro programmed Control, Cache and virtual memory, Semi conductor RAM memory, Performance considerations, Large Computer Systems: Forms of Parallel Processing, Array Processors, The Structure of General-Purpose multiprocessors, Interconnection Networks, Pipelining for students.



## Technical talk on “Role of Information Technology”.

**NARAYANA ENGINEERING COLLEGE, NELLORE (AUTONOMOUS)**  
**DEPARTMENT OF DEPARTMENT OF CSE**

**75 Azadi Ka Amrit Mahotsav**

**AZADI KA AMRUTH MAHOTSAV**  
**Festival of SCOPE for All**  
Science & Technology, Innovation, Creativity and Leadership  
 22 to 28 February, 2022

**National Science Day**  
 28<sup>th</sup> FEB 2022

**A Technical Talk on**  
**“Role of Information Technology”**

Resource Person:  
**Sri. Sai Satish, Founder & CEO of Indian Servers.**

Join Zoom Meeting:  
<https://narayanagroup.zoom.us/j/8618323816?pwd=Zm5ES21oVE1BRlRlY3RlLzpOSUZkdz09>  
**Meeting ID: 861 832 3816**  
**Passcode: 123456**

A Report on a Technical Talk on “Role of Information Technology”, has organized by Department of CSE, Narayana Engineering College (Autonomous), Nellore, for II B.Tech, I Semester students on 28<sup>th</sup> February, 2022. Resource person Sri. D. Sai Satish, Founder & CEO of Indian Servers, took over the session and created awareness among the students regarding the Role and Importance of Information Technology to develop our country and explained about the Azadi Ka Amrit Mahotsav is an initiative of the Government of India to celebrate and commemorate 75 years of independence and the glorious history of it's people, culture and achievements.

Students of II B.Tech (CSE) have attended the session and acquired knowledge on Role of Information Technology in India and the development and innovations of Indians. The whole programme is conducted with the prior permission of the Director Dr. A. V. S. Prasad, Principal Dr. G. Srinivasulu Reddy, Head of the Department Dr. C. Rajendra has participated in Technical talk.



## Value Added Course on “Programming in Modern C++”

Department of CSE has conducted a Value Added Course on “Programming in Modern C++” is conducted for II B.Tech, I Semester students. Duration: 05<sup>th</sup> – 06<sup>th</sup> February, 2022 & 11<sup>th</sup> –13<sup>th</sup> February, 2022. Resource person Mr. Hupesh, Senior Trainer, CodeTantra. Dr. K.M.Varaprasad, Professor of CSE, NECN



Mr. Hupesh delivered a lecture on Introduction to Programming in C++ is Fun, C++ as Better C, OOPs concepts in C++. Mr. Hupesh delivered a lecture on Introduction to Inheritance, Polymorphism, Type Casting and its real time applications etc.



Mr. Hupesh delivered a lecture on Searching, Sorting and the concepts of Modern C++ Applications. Mr. Hupesh delivered a lecture on Exceptions and Templates, Streams and STL concepts with examples.

## Expert Lecture on “Object Oriented programming through Java”

An Industry Expert lecture on “Object Oriented programming through Java”, is conducted for II B.Tech, I Semester students. on 27<sup>th</sup> – 29<sup>th</sup> January, 2022 & 08<sup>th</sup> – 12<sup>th</sup> February, 2022. Resource person, Mr. D. Anil kumar Reddy, Associate Technical Lead, Emids Technologies, Bangalore over the session and deliver the lecture about the concepts of Object Oriented programming through Java – The Java Thread model, Thread Life Cycle, The main() thread, Creating a Thread & Multiple Threads, Thread priorities Using isalive() & join(), Synchronization, Byte Oriented and Character oriented classes, RandomAccess files for II B.Tech I Semester students.



## DEPARTMENT OF CSE - ALUMNI MEET

Department of Computer Science and Engineering, NECN has organized Alumni Meet at Department level. Alumni were attended the alumni meet on 08 JANUARY 2022 from different years alumni. The alumni meet is conducted every year in order to reconnect with the Alumni and celebrate their success in various achievements. The Principal of Narayana Engineering College Dr. G. Srinivasulu Reddy was the chief guest for this program. The coordinator of the alumni Association Mr. T. Sai Prasad Reddy, Associate Professor, Department of CSE, has organized this event.



### ALUMNI INTERACTION



### CERTIFICATE FELICITATION



### CULTURAL PERFORMANCE WITH ALUMNI



### GROUP PHOTOS



## AWARENESS PROGRAM ON INTRODUCTION TO ROBOTICS

A one day awareness program on introduction to 'ROBOTICS' was held at Narayana Engineering college, Nellore on 19/02/2022, by the Robotics Society of India (RSI)- student chapter, IIT Madras to all I B.Tech students. The program was initiated by the welcome address of Dr.C.Rajendra, CSE-HOD. He shared with the participants on the process of Robotics lab setup and briefed about take home and follow-up action of the workshop. Then the inaugural speech was delivered by Dr.G.Srinivasulu Reddy, Principal Narayana Engineering College. The Director Dr.A.V.S. Prasad conveyed to the participants on the 'Robotics activities' and initiatives taken at Narayana Engineering College for development.



### STUDENT ACHIEVEMENTS

SLNO	Student Employee ID	First Name	Last Name	Exam Name	Exam Date
1	18711A0512	Viswanath Hemanth	Chadalawada	Introduction to Programming using Python	30-06-2022
2	18711A0551	MADDELA	VENKATA SAI NITHEESH	Introduction to Programming using Python	31-06-2022
3	19711A0502	ALLURU	LEELA SATHWIK REDDY	Introduction to Programming using Python	29-06-2022
4	19711A0503	SIREESHA	ANNAVARAPU	Introduction to Programming using Python	22-06-2022

### INTERNSHIPS

S. No	Internship Title	Name of the Industry / Company	No. of Students participated	Date (from-to)
1	REACT JS	BRAIN O VISION	34	03-01-2022 To 10-02-2022
2	ARTIFICIAL INTELLIGENCE	SMARTKNOWER	01	01-10-2021 To 30-11-2021
3	WEB DEVELOPMENT	BRAIN O VISION	41	23-05-2022 To 23-07-2022
4	SQL	FAST SCRIT TECHNOLOGIES	1	14-05-2022 To 02-08-2022
5	MACHINE LEARNING WITH PYTHON	INDIAN SERVERS	138	18-05-2022 To 16-07-2022
6	CYBER SECURITY	INDIAN SERVERS	07	18-05-2022 To 16-07-2022
7	SOFTWARE DEVELOPMENT	TRINITY	04	01-03-2022 To 01-05-2022
8	MACHINE LEARNING WITH PYTHON	VERZEO	07	05-06-2022 To 05-08-2022
9	DATA SCIENCE USING PYTHON	ZELFSTUDIE	03	14-06-2022 To 27-08-2022

### EXPERT LECTURE

Department of CSE has conducted an Expert Lecture for II B.Tech II Sem students on Software Engineering. This Lecture was delivered by Mr. T. BHARATH KUMAR, Sr. ETL Developer, IT Analyst, TCS, USA. Feedback has been taken from the students to know whether the expert lecture is beneficial to them or they need any improvements etc.



### PAPER PUBLICATION

S. No	Name of the Author	Title of Paper	Name of the Journal	Year of Publication	ISSN No.
1.	Mr. R. Navateja Reddy	Energy Efficiency Optimization & Resource Allocation of Cross-Layer Broad Band Wireless Communication Systems using Dynamic Particle Swarm Optimization	International Journal for Modern Trends in Science and Technology	January, 2022	2455-3778

### CONFERENCES

S. No	Name of the Author(s)	National / International	Name of the Conference	Year	Organized by
1.	C. Rama Mohan	International	International Conference on Computing for Sustainable Global Development	March 23-25, 2022	BVICAM, New Delhi
2.	Y. Raja Sekhar Dr. Y. Pavan Kumar Reddy, Mrs. CH. Vanaja Mrs. D. Sujitha Dr. P. Penchaliiah Dr. K. M. Varaprasad K. Sukeerthi M. Sowndarya	International	3 <sup>rd</sup> International Conference on Engineering Science and Technology and Management (ICESTM-2022)	June 24-25, 2022	NEC Nellore

