



NARAYANA

ENGINEERING COLLEGE :: GUDUR

Affiliated to JNTUA, Ananthapuramu

Approved by AICTE, New Delhi

Department of
COMPUTER SCIENCE AND ENGINEERING

NEWSLETTER 2018-19

SEMESTER-II

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Vision of the institute

To be one among the premier institutions of the country for professional education in producing technocrats with competent skills, Innovative ideas and Ethics to serve the nation.

Mission of the institute

To provide an environment most conducive to learning with state-of-the-Art infrastructure, well equipped laboratories and research facilities to impart high quality technical education.

To emphasize on innovative ideas and creative thinking and prepare them to meet the growing challenges of the industry.

To inculcate the leadership qualities, multi-disciplinary approach, Ethics and lifelong learning in graduates to serve the diverse societal needs of our nation.

Vision of the Department

To produce globally competent software professionals in the field of Computer Science and Engineering to meet the needs of industry and society along with research and consultancy, lifelong learning, leadership qualities and ethics.

Mission of the Department

To deliver quality technical education by practicing innovative teaching learning processes making student's self-sufficient individuals.

To inculcate innovative thinking and problem solving skills in learners through training programs and collaborative interaction with industry.

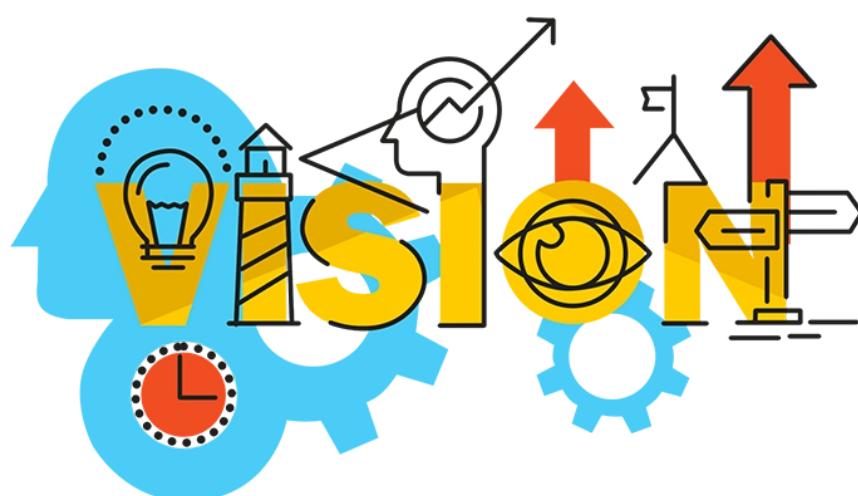
To develop professional behavior with strong ethical values, leadership qualities and lifelong learning by providing value based education.

PEOS

PEO-1: To Attain higher positions in career by exhibiting expertise in solving real world problems.

PEO-2: To Fill technical gaps and take leadership roles and achieve substantive results for the development of the organization.

PEO-3: To Adapt to rapidly changing technologies through Lifelong learning.



(PROGRAM SPECIFIC OUTCOMES) PSOs

PSO 1: Software Product Development: Apply the principles and practices of software Engineering for developing quality software applications.

PSO 2: Employment: Get employed in industries through their knowledge attained in Basic and advanced programming languages, specialized software packages or become an entrepreneur.

(PROGRAM OUTCOMES) POs

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

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.

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.

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.

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.

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.

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.

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

9. Individual and Team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multi disciplinary settings.

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.

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 multi disciplinary environments.

12. LIFE-LONG LEARNING: Recognize the need for and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

Seminar on Big Data in Real Time Architecture

The Department of Computer Science and Engineering of Narayana Engineering College, Gudur conducted a Seminar on **Software solution designing methods for real time projects** in association with **Indian Servers** on **28th January 2019** by Mr. Sasidhar, Senior Big Data Developer, Bangalore. The resource person had been introduced by the HOD Dr. P. Venkateswara Rao. Followed by the principal Dr. Ch. V. S. Parameswara Rao who had addressed the students and explained the importance of Real time projects. He had explain how to use designing methods for real time projects and how to develop projects in real time. A total of 78 students have benefitted from this seminar.



Seminar on Latest Trends and Technologies:

The Department of Computer Science and Engineering of Narayana Engineering College, Gudur conducted a Seminar on **Latest Trends and Technologies** on **30th January 2019** by Mr. V. Rahul, Founder & CEO, Code and Coffee, Bangalore. The resource person had been introduced by the HOD Dr. P. Venkateswara Rao followed by the principal Dr. Ch. V. S. Parameswara Rao who had addressed the students and explained the importance of latest technologies. Totally 100 students have attended this seminar.



Seminar on Big Data in Real Time Architecture

The Department of Computer Science and Engineering of Narayana Engineering College, Gudur conducted a Seminar on **Big Data in Real Time Architecture** in association with CSI on **9th February 2019** by Mr. Sasidhar, Senior Big Data Developer, Bangalore. A resource person had been introduced by the HOD Dr. P. Venkateswara Rao followed by the principal Dr. Ch.V.S. Parameswara Rao who had addressed the students and explained the importance of Real time architecture in Big data. He had explained how to design real time architecture in Big data. Totally 94 students have benefited from this seminar. Big data architecture is the foundation for Big Data Analytics. Think of big data architecture as an architectural blueprint of a large campus or office building. Architects begin by understanding the goals and objectives of the building project, and the advantages and limitations of different approaches. It's not an easy task, but it's perfectly doable with the right planning and tools.



Workshop on Adobe Photoshop for Teaching Staff

Name of the Activity/Event	Workshop for Non-Teaching Staff Adobe Photoshop
Date of Activity/Event	13-12-2018 to 14-12-2018
Organized by/Name of the committee	Department of CSE in association with Young Mind Technologies
Activity/Event objectives	The objective of this workshop is to explore fundamental techniques in Photoshop. Ideal for participants eager to explore Photoshop, work with layer techniques gain and understanding of how to do basic photo repairs and color enhancements.
No. of Participants	Non teaching staff-16



Workshop on Women's Self Defense under Women's Forum

The Department of Computer Science and Engineering Women's Forum of Narayana Engineering College, Gudur had conducted a workshop on **Women's Self Defense** on **5th January 2019** by Mr. K. Madhu Sudhan Rao, Black belt 2nd Dan in Taekwondo and Black belt in Karate, Gudur. Resource person had been introduced by the HOD Dr. P. Venkateswara Rao. Followed by the principal Dr. Ch. V. S. Parameswara Rao who had addressed the students on the significance of the workshop.



Essay writing on Women's Equality & Equity under Women's Forum



The Department of Computer Science and Engineering Women's Forum of Narayana Engineering College, Gudur had conducted a Essay writing on **Women's Equality & Equity** on **15th February 2019** by Mr. K. Madhu Sudhan Rao, Black belt 2nd Dan in Taekwondo and Black belt in Karate, Gudur. Resource person had been introduced by the HOD Dr. P. Venkateswara Rao followed by principal Dr. Ch.V.S. Parameswara Rao who had addressed the students on the importance of women's role in society.

Guest Lecture on Software Engineering

The Department of Computer Science and Engineering organized the guest Lecture in **Software Engineering** on **05th April 2019** at 9.30 AM. The Resource Person for this program was V. SreeHarsha, Associate Professor, idyanikethan College of Engineering, Tirupathi .The Program started with the prayer song. The welcome address was given by Dr. P. Venkateswara Rao, Head of the Department of Computer Science and Engineering. The Chief guest first gave an introduction about “Software Engineering” which gave everyone a clear view about Software Engineering. He then illustrated the importance of Software Engineering in an industry with real time examples.



Guest Lecture on Design & Analysis of Algorithms

The Department of Computer Science and Engineering of Narayana Engineering College organized a Guest Lecture on **Design and Analysis of Algorithms** from **9th to 10th April 2019** in CSE Seminar Hall. The guest lecture gathered eminent speakers: Dr. D. Srinivasa Rao, Laki Reddy Bali Reddy college of Engineering, Mylavaram. The lecture was attended by 85 students and 8 Faculty members of Computer Science and Engineering Department.



Multimedia & 3D Animation

DAY 1 & 2: INTRODUCTION TO ADOBE PHOTOSHOP

Adobe Photoshop is a raster graphics editor developed and published by Adobe Systems for Mac OS and Windows. In the morning session introduction was given on how to use Photoshop by creating an animation character using all the tools in Photoshop. Hands on session were conducted on the same in the afternoon session. At the end of the day, Photo editing in Photoshop was explained.

DAY 3 & 4: INTRODUCTION TO ADOBE AFTER EFFECTS

Adobe After Effects is a digital visual effects, motion graphics and compositing application developed by Adobe Systems to be used in the post-production process of film making and television production.

In the morning session, Tools in ADOBE AFTER EFFECTS was explained by creating a video with different images. Hands on session were conducted on the same in the afternoon session.

DAY 5 & 6: INTRODUCTION TO AUTODESK MAYA

Autodesk Maya commonly shortened to Maya is a 3D computer graphics application that runs on Windows, macOS and Linux, originally developed by Alias Systems Corporation and currently owned and developed by Autodesk, Inc. It is used in creating interactive 3D applications, including video games, animated film, TV series, or visual effects.

Outcome

Students will develop required skills to create posters and edit pictures in Photoshop after this Course. Students will make videos and edit videos in **After Effects** because of the practice they had during the Course.

An introduction to MAYA software was explained and details were discussed about the various tools in MAYA. An example 3D animation was created using MAYA.



ONE WEEK FACULTY DEVELOPMENT PROGRAMME ON “DATA ANALYTICS WITH R-SOFTWARE”

Name of the Activity/Event	DATA ANALYTICS WITH R-SOFTWARE
Date of Activity/Event	10th -16th December 2018
Type of activity/Event	Faculty Development Programme
Activity/Event objectives	To provide knowledge and skills about data and text analysis. Participants gained hands on experience on R studio interface and used R programming for data analysis.
No. of Participants	30



BRIDGE COURSE

S.No	Bridge Course Name	Class	Resource Person	Date of Conduction	Remarks
1	IV CSE A&B	Prerequisites on various securities principles	Dr.B.Penchalaiah Professor	18-12-2018 To 20-12-2018	cyber Security
2	III CSE A&B	Multi-User and Multi-Tasking Operating System	Mr.U. Satyanarayana, Assoc.Professor	28-12-2018 To 31-12-2018	Linux Operating System
3	II CSE A&B	Object Oriented Paradigm	Mr.P.K.Venkateswar Lal, Assoc.Professor	28-12-2018 To 31-12-2018	Object oriented programming through JAVA

PROFESSIONAL SOCIETY ACTIVITIES

S.No.	Date	Name of the Program	Resource Person with Designation	Target Students	No. of Students Participated	Personal Society
A.Y : 2018-19						
1	20.08.2018- 25.08.2018	Work Shop On Word Press Technology	Mr D Sai Sateesh, CEO, Indian servers, Vijayavada	IV B.TECH	60	CSI
2	21.08.2018	Seminar On Soft Skills And Personality Development	Mr K.V.N Karthik, Director, After Campus Education Pvt Ltd	III B.TECH	56	CSI
3	28-06-2018	Guest Lecture on Intellectual property rights and patents	Raghuram Goli CEO of Law ABODE LPO	IV B.TECH	95	ISTE

Industrial Visit to SHAR

Department of Computer Science and Engineering of Narayana Engineering College, Gudur had conducted a Industrial visit to SHAR on **28th February 2019**. Satish Dhawan Space Centre (SDSC) SHAR, Sriharikota, the Spaceport of India, is responsible for providing Launch Base Infrastructure for the Indian Space Programme. This Centre has the facilities for solid propellant processing, static testing of solid motors, launch vehicle integration and launch operations, range operations comprising telemetry, tracking and command network and mission control centre. 65 students attended the industrial visit. Industrial visit has its own importance in the career of a student who is pursuing a professional degree.



Internships

Academic Year	Total No. of students Taken Internship	Internship Taken At	No. of students participated	Duration of Internship
2018-19	31	Indian Servers-A Software Development Company, Vijayawada	17	18.06.19 to 28.06.19
		VSS innovative Technologies, Bangalore	3	12.06.19 to 12.07.19
		LOTUS Technologies, Nellore	11	12.06.19 to 21.06.19

Coding Competition under Coding Club

The Department of Computer Science and Engineering of Narayana Engineering College, Gudur has conducted a Coding Competition under Coding Club on **14th February 2019**. Resource person Mr. N. Madhava Rao, Mentor-3D Animation.



A National Level Technical Codefest-Technogyan 2K19

The Department of Computer Science and Engineering, Narayana Engineering College, Gudur conducted a **National level Technical Codefest** on **8th March 2019**. The Codefest was titled with **TECHNOGYAN-2K19**. That day greeted us with pleasant and memorable moments. The inauguration began and was enlightened with a special prayer. The program was followed by Jyothi Prajwalana. A welcome address was delivered by our beloved HOD of CSE **Prof P. Venkateswara Rao** followed by which presidential address was delivered by our respected principal **Dr. Ch. V. S. Parameswara Rao** who kindled the minds of students with knowledge and power. The management secretary **Sri.Y. Vinay Kumar** addressed the gathering with inspirable speech. The inaugural address was delivered by our chief guest **Dr. P. Sai Kiran, Professor, KL University, Vijayawada** who made our event memorable and guided students about the on-going trends. The innovations, creativity and ability of students were driven out by the release of souvenir.



PROJECT EXPO

National Level Project Expo Competition

The Project expo 2019 is the 2nd Project Expo fair of Narayana Engineering College. The purpose of this event is to showcase innovative projects done by CSE students of the Narayana Engineering College in association with Innovation and incubation centre. The projects are critically evaluated by academic experts giving positive feedbacks to improve quality and value. The judges to evaluate the projects based on evaluation select the best three innovative projects.

The inauguration of National level project expo was held on **4th April, 2019** at the Auditorium, NECG at 10 A.M. The event was inaugurated by Mr K. Venkateswara Rao, Zonal Manager, Andhra Pradesh Industrial Infrastructure Corporation(APPIIC). He addressed the gathering and spoke about the importance inventions. Prof CH. V. S Parameswara Rao, Principal, NECG resided the function.



General Events

S.No.	Date	NAME OF THE PROGRAM	RESOURCE PERSON
1	08-08-2018	Awareness on IT Careers and Opportunities under IIIC	Mr. Chandra Sekhar Raju, Delivery Manager. Liberty Insurance, USA
2	13-08-2018	Solid Liquid Waste Management	Mrs. Susmitha Reddy, Program Coordinator, swatch Bharath Mission, Nellore Mrs. A.Sarala, District Coordinator
3	13-08-2018	WORLD ORGAN DONATION DAY 2018	Dr.Prof Praveen Kumar & HOD, nephrology department, Narayana medical college & hospital, Nellore Dr.C.Subramanyam, CEO, Disrct Youth Welfare organization & Setnel, Nellore Ms. P. SriHarshitha, CO, MEPMA, Gudur
4	15-08-2018	Independence Day	Commissioner, Gudur Municipality
5	20-08-2018	SadbhavanaDiwas	NSS UNIT of NECG
6	20-08-2018	Celebrating Malaria prevention on World Mosquito Day	NSS UNIT of NECG



STAFF ACIEVEMENTS/AWARDS

S.No.	Name of Book/Book chapter	Author Name	Details of Publication	Year
1	Programming and Problem solving in C	Dr. P. Venkateswara Rao	Spectrum	2018-19
		Dr. V. Sucharita		
2	Big data Analytics in Aquaculture using Hive and Hadoop Platform	Dr. P. Venkateswara Rao	IGI Global	2018-19
		Dr. V. Sucharita		
3	Big Data Mining : A forecast to the future	Dr. P. Venkateswara Rao	IGI Global	2018-19
		Dr. V. Sucharita		

