NEWSLETTER

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DEPARTMENT OF INFORMATION TECHNOLOGY

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
DEPARTMENT OF INFORMATION TECHNOLOGY

VISION OF THE DEPARTMENT

To transform into a research and technological hub to develop prominent IT professionals to serve the needs of industry and society.

MISSION OF THE DEPARTMENT

The department of Information Technology is committed to

M1: Induce preliminary and contemporary IT principles of the industry among the students.

M2: Develop strong force of students to solve the real time problems of the IT industry.

M3: Incubate the students with emerging entrepreneur intelligence.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

The graduates of the program are able to:

- PEO 1: Apply the knowledge of mathematics, science and engineering fundamentals to identify and solve IT and engineering problems.
- PEO 2: Use various software tools and technologies to solve problems related to Academia, industry and society.
- PEO 3: Work with ethical and moral values in the multi-disciplinary teams and can Communicate effectively among team members with continuous learning.
- PEO 4: Pursue higher studies and develop their career in software industry.

PROGRAM SPECIFIC OUTCOMES (PSOs)

Students will be able to:

- PSO 1: Ability to analyze and develop computer programs in the areas related to Algorithms, system software, application software, web design, big data analytics, database design and networking for efficient design of computer based systems of varying complexity.
- PSO 2: Design, Implement and evaluate a computer-based system to meet desired needs.
- PSO 3: Develop IT application services with the help of different current engineering tools.

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
DEPARTMENT OF INFORMATION TECHNOLOGY

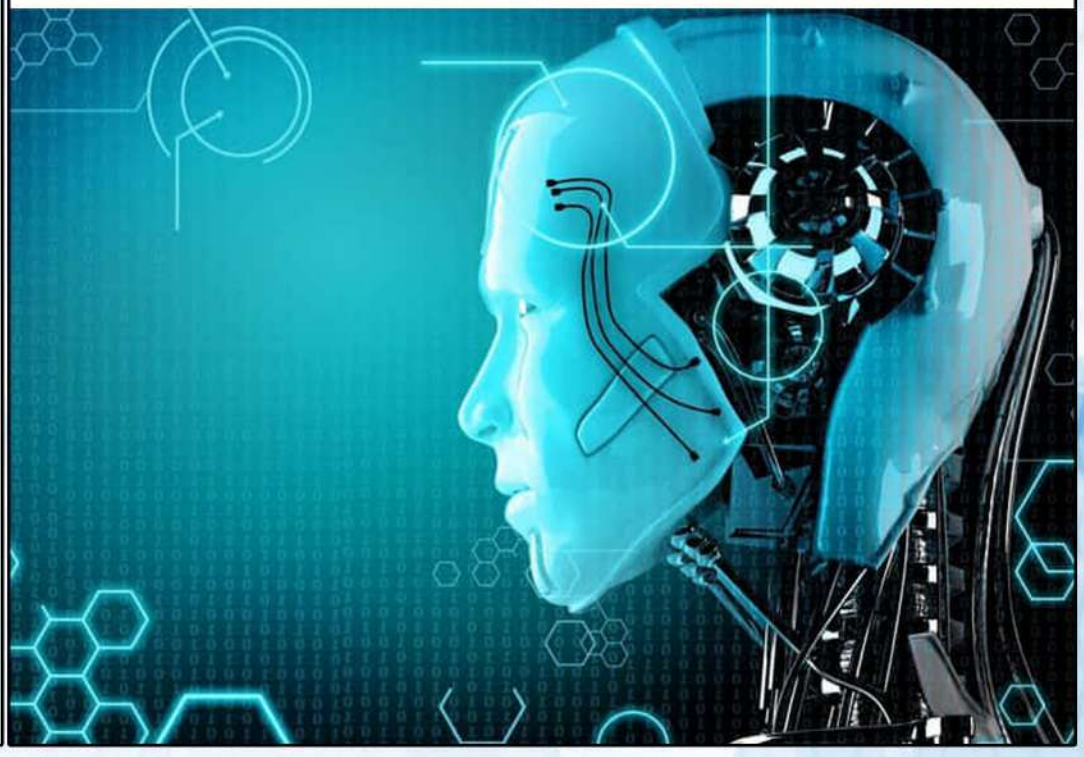
PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

- PO1: **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- PO2: **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.
- PO3: **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.
- PO4: **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.
- PO5: **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.
- PO6: **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.
- PO7: **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.
- PO8: **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9: **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10: **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.
- PO11: **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.
- PO12: **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.

Inspirational Quotes

Any science or technology which is sufficiently advanced is indistinguishable from magic



Vision

To emerge as a Centre of excellence in technical education with a blend of effective student centric teaching learning practices as well as research for the transformation of lives and community

Mission

Provide the best class infrastructure to explore the field of engineering and research.

Build a passionate and a determined team of faculty with student centric teaching, imbibing experiential and innovative skills.

Imbibe lifelong learning skills, entrepreneurial skills and ethical values in students for addressing societal problems.

NEW TRENDS IN TECHNOLOGY:

Computing Power:

Computing power has already established its place in the digital era, with almost every device and appliance being computerized. And it's here for even more as data science experts have predicted that the computing infrastructure we are building right now will only evolve for the better in the coming years. At the same time, we have 5G already; gear up for an era of 6G with more power in our hands and devices surrounding us. Even better, computing power is generating more tech jobs in the industry but would require specialized qualifications for candidates to acquire. From data science to robotics and IT management, this field will power the largest percentage of employment in every country. The more computing our devices will need, the more technicians, IT teams, relationship managers, and the customer care economy will flourish.

One essential branch under this field that you can learn today is RPA, i.e. Robotic Process Automation. At Simplilearn, RPA is all about computing and automation software that can train you for a high-paying role in the IT industry. Here are the top jobs you can target after RPA:

1. Data Scientist
2. AI Engineer
3. Robotics Researcher
4. AI Architect
5. Robotics Designer

Elevate your expertise in the digital age through our cutting-edge Cyber security Boot camp. Stay two steps ahead of cyber threats as you immerse yourself in hands-on training, mastering the latest defines strategies and ethical hacking techniques. Join us to become the guardian that every digital realm needs.

FACULTY FOCUS:

Publications/ Conferences/FDP:

1. Dr. Jhansi Vazram Bolla of the Department of Information Technology presented a research paper titled 'Chronic Net: Random Forest Classifier-based Chronic Heart Failure Detection with CNN Feature Analysis' at the IEEE International Conference on Communication Systems and Network Technologies (CSNT-2024), showcasing innovative applications of machine learning in healthcare.

ChronicNet: Randome Forest Classifier-based Chronic Heart Failure Detection with CNN Feature Analysis

2. G. Nagendram was awarded Participation certificate from EXCELR for successful completion of 30 hours live training program on DIGITAL MARKETING held from 20th June 2024 to 10th July 2024.

EXCELR
CERTIFICATE OF PARTICIPATION
AWARDED TO
Gella Nagendram
Digital Marketing

CERTIFICATE OF PARTICIPATION
IEEE ComSoc

3. G. Nagendram was awarded Participation certificate from Latest developments in RF technologies in 5G and beyond between 31/07/24 to 6/08/24.

4. G. Nagendram was awarded Participation certificate from Exploring new frontiers in teaching tools, AI and data analytics between 29/07/24 to 02/08/24.

MEASI Institute of Information Technology
DEPARTMENT OF MCA
Five days International Virtual FDP
CERTIFICATE OF PARTICIPATION

MIT Academy of Engineering
NEC
EXCELR
Certificate Of Participation
Awarded To
Muppalla Ravindra Babu

5. M. Ravindra Babu Participated in 10 Hours International Faculty Development Program on AI And Gen AI with Industry Application. Between 16 th July to 22nd July 2024.

6. Jaya Prakash Koyyalamudi was awarded Participation Certificate on Faculty Enablement Program on Artificial Intelligence from Infosys Springboard. Between June 24, 2024 to June 28, 2024.

Infosys
CERTIFICATE OF PARTICIPATION
Jayaprakash Koyyalamudi
Faculty Enablement Program on Artificial Intelligence
Infosys Springboard

Infosys
COURSE COMPLETION CERTIFICATE
Nbs Vijay Kumar .
C Programming Course
Infosys Springboard

7. N. B. S. Vijay Kumar awarded course completion certificate in C Programming course from Infosys Spring board on August 12, 2024.

8. N. B. S. Vijay Kumar awarded course completion certificate in CompTIA Security+: Virtualization, Cloud Computing, & Cloud Cyber security Solutions from Infosys Spring board on August 10, 2024.

Infosys
COURSE COMPLETION CERTIFICATE
Nbs Vijay Kumar .
Infosys Springboard

NXT WAVE
CERTIFICATE
Of Participation
AWARDED TO
GELLA NAGENDRAM

9. G. Nagendram was awarded Participation Certificate in a workshop "AI for Students build your own Generative AI Model".

10. G. Nagendram has attended six days online faculty development program on "Industrial application of Embedded systems and IOT.

12. B. Veera Brahmam was successfully completed the Faculty Development Program on Cloud Architects and received a participation certificate.

13. P. Vijaya Lakshmi was successfully completed the Faculty Development Program on Cloud Architects and received a participation certificate.

14. P. Neelima was successfully completed the Faculty Development Program on Cloud Architects and received a participation certificate.

FACULTY ACHIEVEMENTS:

1. Sk Mohammed Jany got a Completion Certificate for Completing a 1-Day Workshop ,conducted by Office Master on Excel Using AI on 14th July 2024.

1. N. B. S. Vijay Kumar, P. Vijaya Lakshmi Presented "Classification of Images through Deep learning" INTERNATIONAL CONFERENCE ON ADVANCEMENTS IN SUSTAINABLE ENERGY, MATERIALS, AND MANUFACTURING TECHNOLOGY: ICASMMT2024 organised by MLRIT at Hyderabad from 13–14 September 2024, AIP Conf. Proc. 3342, 030019 (2025).https://doi.org/10.1063/5.0296094

2. P. Neelima Presented "AI Driven Intelligent Forecasting of Medical Conditions with random Forest Classifier and Naïve Bayes" INTERNATIONAL CONFERENCE ON ADVANCEMENTS IN SUSTAINABLE ENERGY, MATERIALS, AND MANUFACTURING TECHNOLOGY: ICASMMT2024 organised by MLRIT at Hyderabad from 13–14 September 2024, AIP Conf. Proc. 3342, 030019 (2025), https://doi.org/10.1063/5.0296094

3. Dr.B.Jhansi Vazram, K.Sireesha Presented "An Assessment on the Significance and Advancement of Cloud Security Through the Usage of Privacy-Related Data Sharing ." International Conference on Intelligent Computing and Communication organised by ICICC 2024. At Hyderabad from 30–31 August 2024, PP 25-33, https://link.springer.com/chapter/10.1007/978-981-96-1267-3_3

4. Publication Achievement : G. Nagendram has published a scholarly work titled "Utilizing Advanced AI to Revolutionize Business Intelligence" with IGI Global Scientific Publishing. ISBN: 9798337305530

5. G. Nagendram was published a Paper Title is Enhancing Breast Cancer Prediction: Leveraging Convolutional Neural Networks, This Paper Results are Published in International Journal For Research in Applied Science and Engineering Technology, Volume 12, Issue VII, July 2024

6. G. Nagendram was awarded Participation Certificate National Awareness Quiz on NEP-2020.

7. Dr. B. Jhansi Vazram was recognized for her outstanding achievement in Cyber Security, Cryptography, and Network Security with the Academic Excellence Award, boasting impressive pass percentages of 95.65% and 96.99%.

8. U. Vijay Kumar got Academic Excellence Award in recognition of outstanding performance in Natural Language Processing Subject for IT & CSE(AI) Final year Students.

9. P. Neelima got Academic Excellence Award in recognition of outstanding performance in E-Commerce Subject for IT&CSE (AI) Final year Students.

10. Sk. Mohammed Jany was recognized for his outstanding achievement in Artificial Neural Network, Machine Learning with the Academic Excellence Award, boasting impressive pass percentages of 95.65% and 95.05%.

11. K. Sireesha received the Academic was Excellence Award for outstanding achievement in Cloud Computing and Design and Analysis of Algorithms, achieving a remarkable pass percentage of 95. 08 and 98.33%.

12. T.V. Manohar was recognized for his outstanding achievement in Operating systems , Design Thinking and Innovation with the Academic Excellence Award, boasting impressive pass percentages of 98. 36% and 100%.

13. G. Nagendram received the Academic Excellence Award for outstanding achievement in Digital Marketing, achieving a remarkable pass percentage of 98.53%

14. P. Vijaya Lakshmi received the Academic Excellence Award for outstanding achievement in Human Computer Interaction, achieving a remarkable pass percentage of 98.53%.

15. M. Ravindra Babu received the Academic Excellence Award for outstanding achievement in Advanced Data Structures, achieving a remarkable pass percentage of 96.61%.

16. T. V. Manohar (IT) attended a Two-Day Workshop on "Design Thinking & Innovation" at UCEN, conducted from 20–21 December 2024, organized by JNTUK.

DEPARTMENTAL ACTIVITIES:
Workshops/ Seminars / Industrial visits/

Department was conducted a CRC meeting for IV BTECH I SEM OF IT on 22-07-2024.

Department was conducted a CRC meeting for III BTECH I SEM OF IT on 27-07-2024.

78th Independence Day Celebrations organized by NEC College and Department of Information Technology actively participated in this event on 15-08-2024.

Dr. B. Jhansi Vazram(HOD of IT) had presented a PPT template of a Smart India Hackathon(SIH) on 04th Sep 2024.

The Department of Information Technology faculty received Academic Excellence Awards from the Principal of NEC, Dr. Venkateshwarlu, during the Teacher's Day celebrations held on 05-09-2024.

Freshers' Day–2024 was conducted on 20-09-2024. All I B.Tech and II B.Tech students actively participated in the event along with the faculty and students of the Information Technology Department.

The Internal academic audit for our department has been successfully concluded on 25/9/24 for the year of 2024 to 2025.

II,III, and IV B tech IT Girl Students have attended a meeting i.e,"Girls Safety & Grievance Redressal Committee" Conducted by Girl Safety and Grievance Cell on 26/9/2024.

Dr. B. Jhansi Vazram(HOD of IT) and her team have successfully completed the Internal academic audit for the Department of BS&H.

CRC Meeting was conducted for III B.TECH I SEM OF IT on 08-10-2024.

The Parent-Teacher meeting will take place for II, III, IV IT students in the IT department on October 23, 2024.

CRC Meeting (2nd) was conducted for IV B.TECH I SEM of IT on 26-08-2024

Department of IT presents a One-Week Hands-on Bootcamp on Cyber Security for III B. Tech IT Students, December 2nd December 2024 to 7th December 2024.

STUDENT FOCUS :

Webinars :

Department of IT conducted PPT Presentation and Code Elites contest for IV B. Tech and III B. Tech IT Students on 7/8/24.

IV B. Tech-I Semester students that "A 5-Day Workshop on DEVOPS(CI-CD) AUTOMATION" is scheduled during 02/09/24 to 6/09/24 in Tech Hub.

The Department of IT conducted a Java Full stack Workshop for III B. Tech I Sem of IT Students on 25/9/2024.

STUDENT CERTIFICATIONS/ PARTICIPATIONS IN WORKSHOPS / CONFERENCES/NSS PROGRAMS:

CO-CURRICULAR ACTIVITIES:

NPTEL

Segu Akash successfully completed the NPTEL course "The Joy of Computing Using Python" with a consolidated score of 56%.

Academic Toppers:

The following students are toppers in the end examinations in their respective classes.

Training Programs and Drives :

S.No	Year	Training	Duration
1.	1-1	Hackathon Express – Fast track to coding Excellence	15-06-2024 to 18-06-2024
2	4-1	Advanced Communication Skills and Interview Skills	26-06-2024 to 6-07-2024
3	4-1	Accenture Specific Training Phase 2	18-07-2024 to 31-07-2024
4	4-1	Wipro Talent Next	3-06-2024 to 28-08-2024
5.	3-1	CRT Training	5-08-2024 to 26-10-2024
6.	2-1	CRT Training	19-08-2024
7.	3-1	Accenture PINCO App & Coding Practice Sessions	18-09-2024 to 21-09-2024
8.	4-1	Accenture Specific Training Phase 3	23-09-2024 to 28-09-2024
9	4-1	Accenture Communication Building and Interview Preparation	26-09-2024 to 5-10-2024
10	4-1	Accenture Aptitude and Verbal Session	30-09-2024 to 4-10-2024
11	3-1 2-1	Bytexl CRT Assessments	21-10-2024 to 26-10-2024
12	4-1	KPIT Company Specific Training	1-11-2024 to 6-11-2024

ALUMNI VOICE:

SK. M. ASMATH
20471A1253
Company: Detect Technologies
Role: Associate Software Engineer
Location: Chennai

The infrastructure of a college plays a vital role in the development of the college as the students are now focusing on the labs, classrooms, etc. while selecting a college. It is important that the colleges have very good infrastructure with advanced laboratories equipped with state-of-the-art equipment etc. Only then the students can get hands on experience with the latest technologies. Computing resources are one of the important and mandatory needs of a college.

STUDENT VOICE:

K. V. SAROJINI
21471A1226
IV B.TECH I SEM -IT

Narasaraopet Engineering College is one of the prestigious and renowned institute in this region. It is a privilege to be the part of this institution. I like the faculty and I feel I had the best environment for my studies I learned many new things from my teachers who were very helpful in every way they could. The teacher-student interaction was great. The teachers were very friendly because of which I could clarify many of my doubts. High quality teaching, assessments and management of learning, regular and reliable feedback on student progress and achievements.