NEWSLETTER

JULY - DEC 2023

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

AI NEXUS

DEPARTMENT OF CSE (ARTIFICIAL INTELLIGENCE)

www.nrtec.in

Volume : 02, Issue : 01

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
DEPARTMENT OF CSE (ARTIFICIAL INTELLIGENCE)

VISION OF THE DEPARTMENT

To be a centre of excellence in Artificial Intelligence education, research and innovation by nurturing competent professionals capable of developing intelligent and ethical solutions for the advancement of society and industry.

MISSION OF THE DEPARTMENT

M1: Promote innovation, interdisciplinary research and industry collaboration through advanced infrastructure and a culture of continuous learning.

M2: Provide a strong foundation in Artificial Intelligence, computing, mathematics and data sciences through student-centric and experiential learning.

M3: Develop socially responsible professionals with ethical values, leadership qualities and entrepreneurial mindset to address real-world challenges using Artificial Intelligence.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO 1: Be engaged as an engineer with a strong foundation in modern computing and engineering fields such as research, design and development.

PEO 2: Apply AI concepts and multidisciplinary knowledge to design effective engineering solutions while demonstrating technical skills and teamwork.

PEO 3: Develop professional competence, ethical values, communication skills and a commitment to lifelong learning to contribute to society and adapt to emerging technologies.

PROGRAM SPECIFIC OUTCOMES (PSOs)

Students will be able to:

PSO 1: Apply knowledge of human cognition, AI, ML, and Data Engineering to analyze and solve complex real-world problems.

PSO 2: Design solutions using computational skills and innovative tools in AI, ML and DL to meet specific needs for societal needs.

PSO 3: Demonstrate acquired knowledge to lead teams or projects and involve in research and development problems.

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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.



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BOLD MINDS - BIG IDEAS
JULY-2022 to DECEMBER-2022

VOLUME-1, ISSUE-1

HEAD OF DEPARTMENT'S MESSAGE

It gives me immense pleasure to extend my warm greetings to all on the occasion of releasing this, Souvenir. This publication stands as a reflection of the creativity, enthusiasm, and collective efforts of our students and faculty members. It captures the vibrant spirit of our department and showcases the talent, innovation, and dedication that define our academic community.

In today's rapidly evolving technological landscape, it is essential that students not only gain sound technical knowledge but also cultivate creativity, critical thinking, and ethical values. Our department continually strives to nurture these qualities through experiential learning, research, and industry-oriented initiatives.

I congratulate all the contributors, coordinators, and the editorial team for their sincere efforts in bringing out this Souvenir. May this serve as an inspiration for everyone to aim higher and achieve greater milestones in the years to come.

Dr. V. V. A. S. Lakshmi
Professor & Head,
Department of CSE (Artificial Intelligence)

EDITORIAL NOTE

It gives me immense pleasure to present the latest edition of our departmental newsletter, which reflects the achievements, innovations, and academic excellence of our institution. This newsletter serves as a platform to showcase the diverse activities, accomplishments, and creative talents of our students and faculty members.

The Department continuously strives to provide quality education, encourage research and innovation, and nurture the technical and professional skills of students. Through workshops, seminars, technical events, hackathons, project exhibitions, and other academic activities, we aim to create a vibrant learning environment that prepares students to meet the challenges of the rapidly evolving technological world.

This edition highlights the significant milestones achieved by our students and faculty, their participation in various academic and extracurricular activities, and the initiatives undertaken to promote experiential learning, teamwork, leadership, and problem-solving skills.

I sincerely appreciate the efforts of the editorial team, faculty coordinators, and student contributors who have worked diligently to bring this newsletter to life. I also extend my heartfelt congratulations to all those who have contributed to the achievements featured in this edition.

Let us continue our journey towards excellence through dedication, collaboration, creativity, and lifelong learning. I hope this newsletter inspires our readers to explore new opportunities, embrace innovation, and strive for greater accomplishments.

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ABOUT DEPARTMENT

NEC Website: https://www.nrtec.in/

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STUDENT STRENGTH PARTICULARS

- 2020 Batch (Regular) - 63
- 2021 Batch (Lateral Entry) – 06
- 2021 Batch (Regular) – 65
- 2022 Batch (Lateral Entry) – 06

FACULTY FOCUS

FDPs ATTENDED:

Sl.No	Name of the Faculty	Name of the FDP Attended	No. of Days	Dates of the Workshop	Organised by	Outcome of the FDP
1	Dr. S.V.N. Sreenivasu	Amazon Web services	1 Week	22-08-2022 to 27-08-2022	Brainovision	Enhanced skills in cloud computing, deployment, and resource management.
2	Dr.M.Sreesha	Amazon Web services	1 Week	22-08-2022 to 27-08-2022	Brainovision	Enhanced skills in cloud computing, deployment, and resource management.
3	G. Mahesh Babu	Amazon Web Services	1 Week	22-08-2022 to 27-08-2022	Brainovision	Enhanced skills in cloud computing, deployment, and resource management.

KNOW WHAT SPARKS THE LIGHT IN YOU.THEN USE THAT LIGHT TO ILLUMINATE THE WORLD.

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4	N. Siva Ramakrishna	Amazon Web Services	1 Week	22-08-2022 to 27-08-2022	NEC	Enhanced skills in cloud computing, deployment, and resource management.
5	P. Srinivasa Rao	Outcome Based Education	1 Week	19-09-2022 to 23-09-2022	NITTR	Enhanced skills in CO-PO mapping, assessment, and outcome-based teaching.
6	G. Nageswara Rao	Outcome Based Education	1 Week	19-09-2022 to 23-09-2022	NITTR	Enhanced skills in CO-PO mapping, assessment, and outcome-based teaching.
7	Dr. S. V. N. Sreenivasu	Big Data Analytics in Power Sector	1 Day	22-11-2022	IEEE	Enhanced understanding of data-driven analysis and smart power management.
8	Dr. V. V. A. S. Lakshmi	Linux Applications in Engineering Education	1 Week	28-11-2022 to 02-12-2022	NITTR	Gained knowledge of Linux applications in engineering education.
9	P. Srinivasa Rao	Linux Applications in Engineering Education	1 Week	28-11-2022 to 02-12-2022	NITTR	Gained knowledge of Linux applications in engineering education.
10	D. Sreekanth	Linux Applications in Engineering Education	1 Week	28-11-2022 to 02-12-2022	NITTR	Gained knowledge of Linux applications in engineering education.
11	G. Nageswara Rao	Linux Applications in Engineering Education	1 Week	28-11-2022 to 02-12-2022	NITTR	Gained knowledge of Linux applications in engineering education.
12	G. Mahesh Babu	Linux Applications in Engineering Education	1 Week	28-11-2022 to 02-12-2022	NITTR	Gained knowledge of Linux applications in engineering education.
13	Dr.S.V.N. Sreenivasu	IOT and its Applications	1 Week	05-12-2022 to 09-12-2022	AICTE	Enhanced understanding of IoT technologies and real-world solutions.
14	Dr.S.V.N. Sreenivasu	Team Building Motivation and Creativity	1 Week	11-12-2022 to 16-12-2022	AICTE	Enhanced collaboration, leadership, and innovative thinking abilities.

FDPs ORGANIZED:

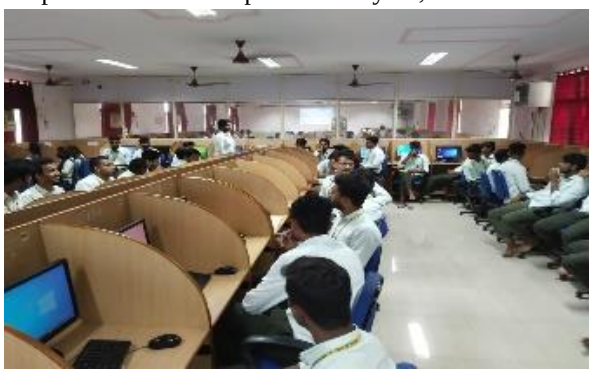
- All the Teaching staff members are here by informed that the Department of CSE(Artificial Intelligence) is going to organize a One Week Faculty Development Program on **"Applications of Machine Learning using Python for Interdisciplinary Research"** during 29th Aug 2022 to 03rd Sep 2022.

FACULTY ACHIEVEMENT:

S.N.	Name of the Faculty	Name of Course Passed	Course Offered by (agency)	Duration	Grade obtained if any
CAYm3(2022-23)					
1	Dr.S.V.N.Sreenivasu	Team Building, Motivation & Creativity	National Institute of Technical Teachers' Training and Research	12th to 16th Dec 2022	Successfully Completed
2	Dr. V.V A S Lakshmi	Database Programming with PL/SQL	ORACLE Academy	28th Dec 2022	Successfully Completed

WEBINARS , WORKSHOPS / TRAININGS PROGRAMS / OTHERS CONDUCTED

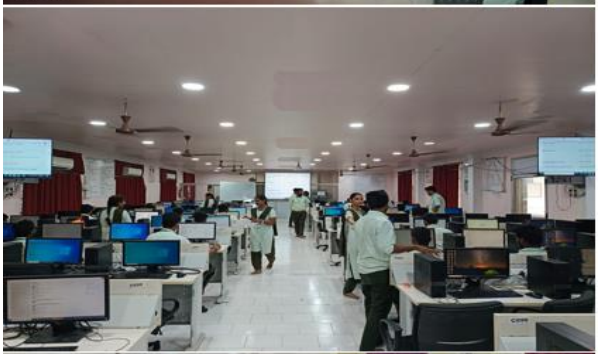
- The Department of CSE (Artificial Intelligence) of NEC in association with CSI – NEC College is thrilled to announce **Code Knighters**, an exciting individual-level competition set to take place on July 16, 2022.



- The department of CSE(Artificial Intelligence) of NEC in association with CSI – NEC College is thrilled to present Paper Nova, an individual-level academic competition designed to evaluate both analytical thinking and technical presentation skills. Scheduled for August 4, 2022.

Students participated in the Event





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- The department of CSE (Artificial Intelligence) of NEC in association with ISTE – NEC College is excited to launch **Code Arcade**, a multi-round individual technical competition designed to test and enhance students' problem-solving, programming, and logical thinking abilities. Scheduled for August 17, 2022.



- The department of CSE(Artificial Intelligence) of NEC in association with ACM – NEC College is delighted to launch **Code Jam Fest**, a multi-stage individual student competition focused on sharpening both analytical and technical skills. Scheduled for November 28, 2022.



- The department of CSE(Artificial Intelligence) of NEC in association with CSI – NEC College is thrilled to present Code-A-Thon, a two - round student competition scheduled for December 18, 2022.



ACADEMIC TOPPERS:

- The following students are secured with highest marks in their respective semester results.



STUDENT'S VOICE:

As a Third Year Student. I would like to share my experience in Narasaraopeta Engineering College. Till now I had completed two semesters & participated so many competitions in & out of the campus, to improve my skills.

Our department faculty so supportive & encourage me to participate in various programs like Technical Quiz, paper Presentations & Cultural activities to eliminate stage fear. NEC College provides Pradhan Mantri Yuva Yojana Programs for students to implement their ideas as an entrepreneurs.



20471A4314

Gajavalli Sai Sahithi

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