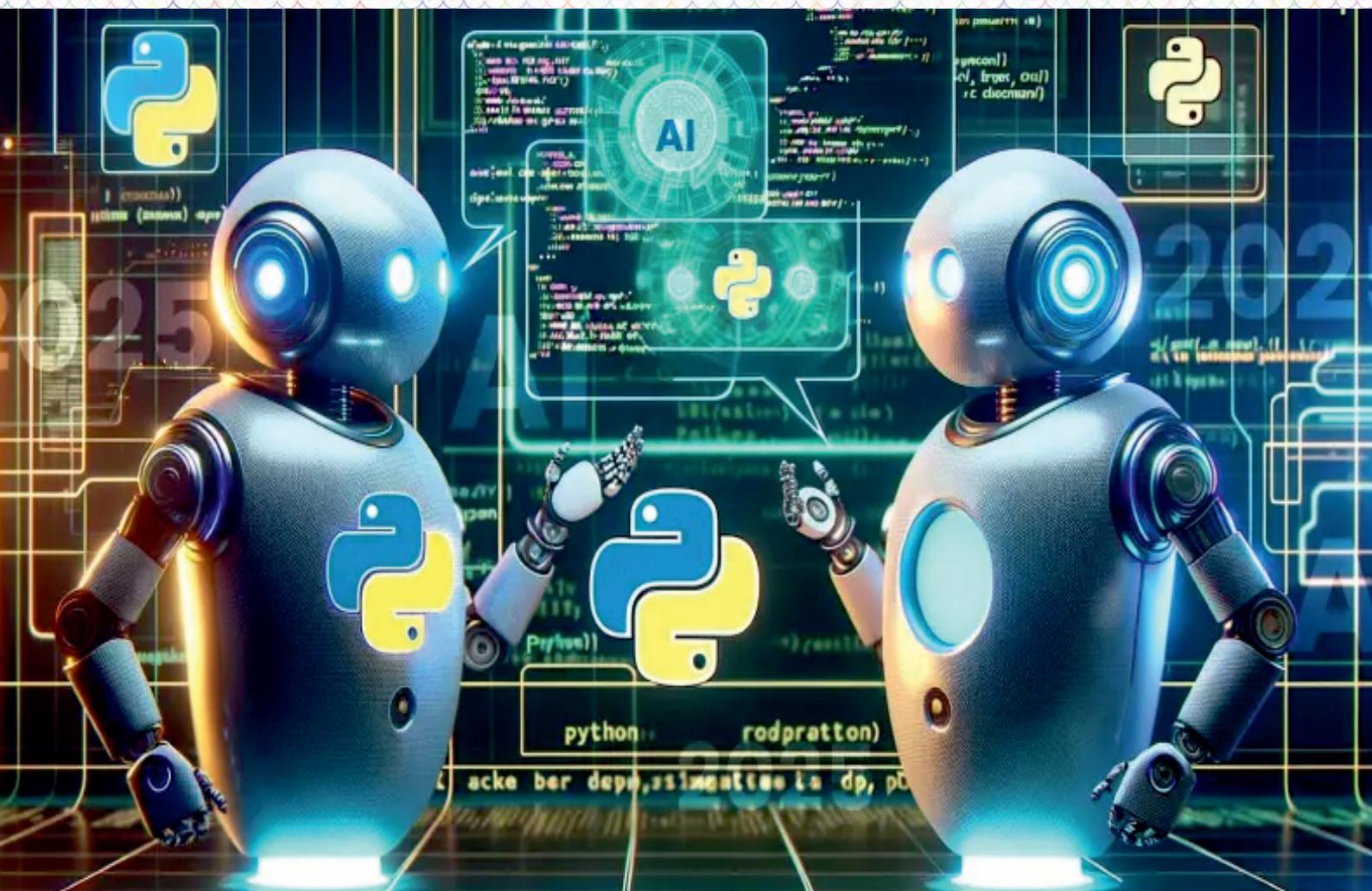


Department of Computer Science & Engineering

CSE PULSE

Bi-Monthly News Letter
(July - August)

2025-26



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Editorial Board

<u>Name</u>	<u>Designation</u>	<u>Role</u>	<u>Department</u>
Dr. P. Shanthi Priya	Assoc. Professor	Chief Editor	CSE
Mrs. S. Radhika	Asst. Professor	Editor	CSE
Mr.T.Siddartha	Student	Coordinator	IV CSE
Mr.V.Abhiram	Student	Coordinator	IV CSE
Mr. A. Bhavish	Student	Coordinator	III CSE
Ms.Vasishta	Student	Coordinator	III CSE
Mr. Belde Karthik	Student	Coordinator	III CSE

VISION & MISSION OF THE INSTITUTE

VISION

To be a premier institution ensuring globally competent and ethically strong professionals.

MISSION

1. To provide higher education by refining the traditional methods of teaching to make globally competent professionals.
2. To impart quality education by providing the state-of-the-art infrastructure and innovative research facilities.
3. To practice and promote high standards of professional ethics, transparency, and accountability.

VISION & MISSION OF THE DEPARTMENT

VISION

To be a center of excellence for creative and innovative Computer Science and Engineering graduates with strong programming skills, research, and industry-ready for building value-based society.

MISSION

1. Imparting the quality technical education through an effective teaching – learning process for producing global competent IT professionals with moral values.
2. Providing the state of the art infrastructure and ICT for Continuous innovative learning and research.
3. Undertake collaboration & Internship with industry to produce industry-ready graduates.

ABOUT THE DEPARTMENT

The department of Computer Science and Engineering was established in the year 2009. The growth of the Department of Computer Science & Engineering is taking strides in strength and in facilities every year. The blooming department is headed by Dr. K. Rameshwaraiah.

The Department is known for its reputed faculty having expertise in diverse fields. The students are primarily trained here to leverage computer software and hardware efficiently to provide them with a Bachelor's Degree in Computer Science. The students of the department actively participate in co-curricular and extra-curricular activities. Tech Samprathi is an informal association of students and faculty of CSE. It conducts various technical events to benefit students in academic and technical skills.

The teaching staff members are dedicated and determined to learn new things and never hesitate to give their best at all the times. Department has 9 computer centers for UG students and 1 Elite Research and Development center apart from labs provided for other branches. All the computers in computer centers are connected via LAN.

The Department is known for its eminent faculty having expertise in diverse fields. The students are primarily trained here to leverage computer software and hardware efficiently.

The main motto of the Department is to bridge the gap between industry and institution and produce industry required tailor-made engineers.

SALIENT FEATURES:

Intake

The growth of the Department is taking strides in strengths and facilities every year.

- The Department offers a four-year course of Bachelor's Degree (B.Tech) in Computer Science and Engineering with an intake of 360 seats.

Accreditations

- The Department is accredited by the National Board of Accreditation (NBA) in the year 2018 and further accredited in the year 2022.

Infrastructure

Department tailors industry required computer professionals to bridge the technological gap between Academia and Industry. It instigates the latest innovations in the new era of the world of computer science and the faculty enthusiastically involves in imparting programming roots of various technologies. Computer science and engineering comprise a total of nine computer labs with more than 400 high-end systems with software recommended by JNTUH and AICTE. UG & PG students are enforced to practice all the lab sessions in a LINUX environment.

Faculty

The teaching staff members are dedicated and determined to learn new things and never hesitate to give their best at all times. The department contains more than 40 faculty members including Professors, Associate Professors, and Assistant Professors. In addition to teaching faculty, we have non-faculty and system administrators. Department has 9 computer centers for UG students and 1 Elite Research and Development center apart from labs provided for other branches. All the computers in computer centers are connected via LAN.

The teaching staff members are dedicated and determined to learn new Technologies, update their subject knowledge, and to give their best all the time. The department enforced association with professional societies like IEEE, CSI, ISTE, etc.

The department of CSE is having an academic alliance with ORACLE Academy, VMWare, and DELL EMC.

FACULTY ACHIEVEMENTS

Patents

- Dr. M. Satish Kumar, has successfully published a patent titled “IOT-Based Device to Measure Sugar Levels in Diabetes Using Saliva”, Patent Application no: 470182-001, published on 19-Aug-25.

Journals & Conferences

- Dr. M. Santhosh Kumar, Dr. K.Srinivasa Babu, S.Radhika, M Eswara Rao, presented conference paper on “DTBO: Optimizing Resource Usage in Fog-Edge Environment using Meta-Heuristic Scheduling Algorithm” at 2025 7th International Conference on Intelligent Sustainable Systems (ICISS), from 16-Jul-25.
- Dr. M. Santhosh Kumar, Dr.K.Rameshwaraiah , published paper on “STBO: Dynamic Resource – aware Scheduling in Cloud-fog Environments for improved Task Allocation”, in IJITCS Journal with ISSN No. 2074-9007 Published on Aug 2025.
- Dr. M. Santhosh Kumar,Dr. M Sathish Kumar, presented conference paper on “TIEO: Metaheuristic Driven Cost and Energy Aware Scheduling in Cloud Computing” at 2025 3rd International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS), from 21-Jul-25.
- Dr. M. Santhosh Kumar, presented conference paper on “ASSA: Optimizing SLA Violation and VM Failure Rate for Task Scheduling in Cloud Environment” at 2025 3rd International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS), from 21-Jul-25.
- Dr. M. Santhosh Kumar,V Rani Sailaja, presented conference paper on “POA: AI-Driven Meta-Heuristic Scheduling Algorithm for Enhancing Resource Utilization in Cloud Environment” at 2025 3rd International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS), from 21-Jul-25.
- Dr. M. Santhosh Kumar, Dr. K.SrinivasaBabu, S.Radhika, M Eswara Rao, presented conference paper on “DTBO: Optimizing Resource Usage in Fog-Edge Environment using Meta-Heuristic Scheduling Algorithm” at 2025 7th International Conference on Intelligent Sustainable Systems (ICISS), from 16-Jul-25.

Workshops / FDPs Attended

- Dr. K. Rameshwaraiah , has attended FDP on “ Microsoft Azure AI Engineer Associate“ conducted by NNRG, ICT Academy, on 04 -08 August 2025.
- Dr. K. Srinivas Babu, has attended FDP on “ Microsoft Azure AI Engineer Associate “ conducted by NNRG, ICT Academy, on 04 -08 August 2025.
- Dr. N. Ravi Shankar, has attended FDP on “ Microsoft Azure AI Engineer Associate “ conducted by NNRG, ICT Academy, on 04 -08 August 2025.
- Dr. S. SreeHari Raju, has attended FDP on “ Microsoft Azure AI Engineer Associate “ conducted by NNRG, ICT Academy, on 04 -08 August 2025.
- Dr. M. Santhosh Kumar, has attended FDP on “ Microsoft Azure AI Engineer Associate“ conducted by NNRG, ICT Academy, on 04 -08 August 2025.
- Mr. J. Pavan Kumar, has attended FDP on “ Microsoft Azure AI Engineer Associate “ conducted by NNRG, ICT Academy, on 04 -08 August 2025.
- Mr. M. Praneeth Kumar, has attended FDP on “ Microsoft Azure AI Engineer Associate“ conducted by NNRG, ICT Academy, on 04 -08 August 2025.
- Mr. B. Murthujavali., has attended FDP on “ Microsoft Azure AI Engineer Associate “ conducted by NNRG, ICT Academy, on 04 -08 August 2025.
- Mr.S. Sridhar Reddy, has attended FDP on “ Microsoft Azure AI Engineer Associate “ conducted by NNRG, ICT Academy, on 04 -08 August 2025.
- Mr.S.Srikanth Reddy, has attended FDP on “ Microsoft Azure AI Engineer Associate “ conducted by NNRG, ICT Academy, on 04 -08 August 2025.
- Mr.Tadi Udaya Kiran, has attended FDP on “ Microsoft Azure AI Engineer Associate“ conducted by NNRG, ICT Academy, on 04 -08 August 2025.
- Ms. Ch. Ramya, has attended FDP on “ Microsoft Azure AI Engineer Associate“ conducted by NNRG, ICT Academy, on 04 -08 August 2025.
- Ms. G. Jyothi, has attended FDP on “ Microsoft Azure AI Engineer Associate“ conducted by NNRG, ICT Academy, on 04 -08 August 2025.
- Ms. M. Revathi, has attended FDP on “ Microsoft Azure AI Engineer Associate“ conducted by NNRG, ICT Academy, on 04 -08 August 2025.
- Mr. Shaik Feroz, has attended FDP on “ Microsoft Azure AI Engineer Associate“ conducted by NNRG, ICT Academy, on 04 -08 August 2025.
- Dr. M. Santhosh Kumar, has attended FDP on “Cyber Security for Academia and Research“ conducted by GCET, Hyderabad., on 01 -08 August 2025.

STUDENT ACHIEVEMENTS

NPTEL Certifications :

S.no	College Roll no	Name	Course Name	Certificate	Timeline
1	227Z1A05A4	Medishetty Shruthi	Python for Data Science	ELITE + SILVER	Jul-Aug 2025
2	237Z1A0543	Dondeti Vasishta	Python for Data Science	ELITE + SILVER	Jul-Aug 2025
3	227Z1A1257	Arthireddy	Python for Data Science	ELITE + SILVER	Jul-Aug 2025
4	227Z1A0575	Karingula Anil	Python for Data Science	ELITE	Jul-Aug 2025
5	227Z1A0576	Kata Nithin	Python for Data Science	ELITE	Jul-Aug 2025
6	227Z1A0580	Kemidi Sri Charan	Python for Data Science	ELITE	Jul-Aug 2025
7	227Z1A0593	Lingampallyswathi	Python for Data Science	ELITE	Jul-Aug 2025
8	227Z1A05A8	Pranay Mitta	Python for Data Science	ELITE	Jul-Aug 2025
9	227Z1A05A9	Modala Madhavi	Python for Data Science	ELITE	Jul-Aug 2025
10	227Z1A05B8	Naini Anusha	Python for Data Science	ELITE	Jul-Aug 2025
11	227Z1A05C8	Padala Harshit	Python for Data Science	ELITE	Jul-Aug 2025
12	237Z1A0539	Dasari Kavyasree	Python for Data Science	ELITE	Jul-Aug 2025
13	237Z1A05H6	Yelapati Varshitha	Python for Data Science	ELITE	Jul-Aug 2025
14	257Z5A0527	Somu Shiva Kumar	Python for Data Science	ELITE	Jul-Aug 2025
15	227Z1A1247	Peddi Sambashiva Kumar	Python for Data Science	ELITE	Jul-Aug 2025
16	227Z1A0561	G Venkata Anusha	Python for Data Science	SUCCESSFULLY COMPLETED	Jul-Aug 2025
17	227Z1A0570	Kaleru Sai Prasanna	Python for Data Science	SUCCESSFULLY COMPLETED	Jul-Aug 2025
18	227Z1A05C7	Padakanti Varun	Python for Data Science	SUCCESSFULLY COMPLETED	Jul-Aug 2025
19	227Z1A05C9	Palle Sharath	Python for Data Science	SUCCESSFULLY COMPLETED	Jul-Aug 2025
20	227Z1A05D5	Pateri Nikhil	Ethical Hacking	SUCCESSFULLY COMPLETED	Jul-Aug 2025
21	227Z1A05D6	Patla Akhila	Python for Data Science	SUCCESSFULLY COMPLETED	Jul-Aug 2025

22	237Z1A05H7	V Sinduja	Python for Data Science	SUCCESSFULLY COMPLETED	Jul-Aug 2025
23	227Z1A1216	Premkumar Chittiprolu	Python for Data Science	SUCCESSFULLY COMPLETED	Jul-Aug 2025
24	227Z1A1240	Narala Anusha	Python for Data Science	SUCCESSFULLY COMPLETED	Jul-Aug 2025
25	237Z1A1237	Suharshini	Python for Data Science	SUCCESSFULLY COMPLETED	Jul-Aug 2025

Conferences

- Mr. Sai Tej Guguloth , 227Z1A0559 has presented a paper entitled “FGO: Cost and Energy – Aware Scheduling in Cloud Environment using Meta-Heuristic Algorithm“, at “6th International Conference on Data Intelligence and Cognitive Systems (ICDICI2025)”organized by SCAD College of Engineering & Technology, Tirunelveli,Tamilnadu on 9th -11th July 2025.
- Mr. Ponnala Bhaskar, 227Z1A05E1 has presented a paper entitled “ASSA: Optimizing SLA Violation and VM Failure Rate for Task Scheduling in Cloud Environment“, at “International Conference on Self Sustainable Artificial Intelligence Systems(ICSS 2025)”organized by M.P.Nachimuthu, M.Jaganathan Engineering College, Chennimalai, Erode on 11th -13th July 2025.
- Mr. Ramagiri Brahmini, 227Z1A05F1 has presented a paper entitled “PTBO: Energy and Makespan-Aware Scheduling in Cloud Computing Using Meta-Heuristic Algorithm “, at “IEEE 2025 6th International Conference on Data Intelligence and Cognitive Informatics (ICDICI)” with ISSN no. 979-8-3315-0313-0organized by SCAD College of Engineering & Technology, Tirunelveli, Tamilnadu on 9th -11th July 2025.

Internships

- Mr. Siddarth Talla,227Z1A05H1, has completed his internship for Forage in Collaboration with TATA on “GenAI Powered Data Analytics Job Simulation“ by 29th July 2025.
- Mr. Siddarth Talla, 227Z1A05H1, has completed his internship for Forage in Collaboration with DATACOM on “Software Development Job Simulation “ by 21st July 2025.
- Mr. Shivaram Gopishetti, 227Z1A0555, has completed his internship for Forage in Collaboration with DATACOM on “Solutions Architecture Job Simulation “ by 28th July 2025.
- Mr. Siddarth Talla, 227Z1A05H1, has completed his internship for IBM on “Generative AI: Prompt Engineering “ by 27th July 2025.

S. No.	Name of The Student	Roll No.	Year	Title of Internship	Name of The Organization	Timeline
1	Marella Sahithi	217Z1A05B3	IV	AI-ML VIRTUAL INTERNSHIP	EDUSKILLS	Apr-Jun 2025
2	Bellari Venkatesh	227Z1A0516	III	AI-ML VIRTUAL INTERNSHIP	EDUSKILLS	Apr-Jun 2025
3	Guguloth Sai Teja	227Z1A0559	III	AI-ML VIRTUAL INTERNSHIP	EDUSKILLS	Apr-Jun 2025
4	Padidala Greeshma	227Z1A1243	III	AI-ML VIRTUAL INTERNSHIP	EDUSKILLS	Apr-Jun 2025
5	Bolla Revanth	217Z1A0532	IV	JAVA FULL STACK DEVELOPER VIRTUAL INTERNSHIP	EDUSKILLS	Apr-Jun 2025
6	Shaik Nazma	217Z1A05G4	IV	JAVA FULL STACK DEVELOPER VIRTUAL INTERNSHIP	EDUSKILLS	Apr-Jun 2025
7	Pajjuri Charan Teja Reddy	217Z1A05D5	IV	JAVA FULL STACK DEVELOPER VIRTUAL INTERNSHIP	EDUSKILLS	Apr-Jun 2025
8	Thanda Priya Bhandavi	217Z1A05H5	IV	JAVA FULL STACK DEVELOPER VIRTUAL INTERNSHIP	EDUSKILLS	Apr-Jun 2025
9	Pateri Nikhil	227Z1A05D5	III	PYTHON FULL STACK DEVELOPER VIRTUAL INTERNSHIP	EDUSKILLS	Apr-Jun 2025
10	Laxmidhar Penta	227Z1A1248	III	PYTHON FULLSTACK DEVELOPER VIRTUAL INTERNSHIP	EDUSKILLS	Apr-Jun 2025
11	Ginakunta Lalitha Saarasa	217Z1A05A7	IV	PYTHON FULLSTACK DEVELOPER VIRTUAL INTERNSHIP	EDUSKILLS	Apr-Jun 2025
12	Seetha Navaneetha	227Z5A1206	III	PYTHON FULLSTACK DEVELOPER VIRTUAL INTERNSHIP	EDUSKILLS	Apr-Jun 2025
13	Surasani Nikhitha	217Z1A1256	IV	WEB FULL STACK DEVELOPER VIRTUAL INTERNSHIP	EDUSKILLS	Apr-Jun 2025
14	Ramgiri Racharayudu	227Z1A1250	III	WEB FULL STACK DEVELOPER VIRTUAL INTERNSHIP	EDUSKILLS	Apr-Jun 2025
15	Dasari Kavya Sree	237Z1A0539	II	DATA ANALYTICS VIRTUAL INTERNSHIP	EDUSKILLS	Apr-Jun 2025
16	Amrabad Jaideep	227Z1A0508	III	AI-ML VIRTUAL INTERNSHIP	EDUSKILLS	Apr-Jun 2025
17	Banavath Sai Kumar	227Z1A0518	III	WEB FULL STACK DEVELOPER VIRTUAL INTERNSHIP	EDUSKILLS	Apr-Jun 2025
18	Bandari Bhanu Prasad	227Z1A0514	III	AI-ML VIRTUAL INTERNSHIP	EDUSKILLS	Apr-Jun 2025
19	Vivek Chandra	237Z1A0537	II	ETHICAL HACKING	EDUSKILLS	Apr-Jun 2025
20	Bandlapally Deepthi	227Z1A0520	III	JAVA FULL STACK DEVELOPER VIRTUAL INTERNSHIP	EDUSKILLS	Apr-Jun 2025

21	GAJJALA KEERTANA	237Z1A0550	II	JAVA FULL STACK DEVELOPER VIRTUAL INTERNSHIP	EDUSKILLS	Apr-Jun 2025
22	Chada Sai Manish	227Z1A0528	II	AI-ML VIRTUAL INTERNSHIP	EDUSKILLS	Apr-Jun 2025
23	Bairu Ganesh	227Z1A0517	III	AI-ML VIRTUAL INTERNSHIP	EDUSKILLS	Apr-Jun 2025
24	Dandugula Akshaya	237Z1A0536	II	ETHICAL HACKING	EDUSKILLS	Apr-Jun 2025

Activity: Faculty Development Program on “Microsoft Azure AI Engineer Associate”

Consolidated Report

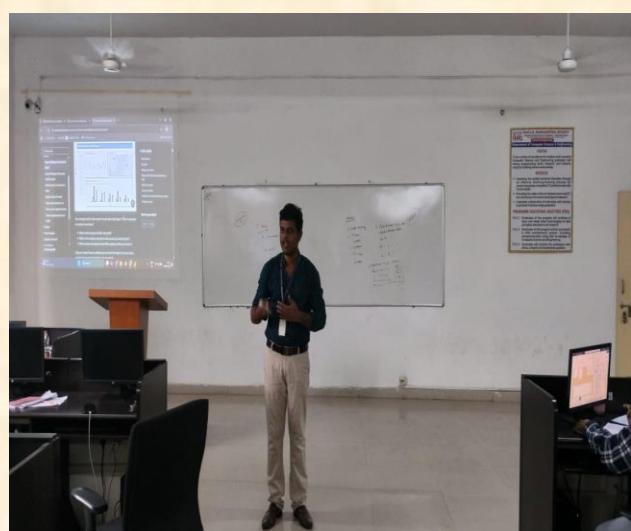
As per the schedule in the department's academic plan, an FDP on “**Microsoft Azure AI Engineer Associate**” was conducted from **04-08-2025** to **08-08-2025** for faculty members. A total of 32 faculty members have actively participated in the Faculty Development Program, with 15 faculty from the host institute and the remaining 17 members from other colleges. **S. Gopinath**, Senior Technical Trainer, ICT Academy, Tamilnadu is the resource person for the FDP.

Day 1 (04-08-2025): Inauguration of the FDP started at 09:30 AM, **Dr. K. Rameshwaraiah – Convener & Head CSE**, started with a Keynote address by saying the importance of technology in day-to-day life and since we are in the teaching profession, how we need to update our knowledge with the latest technology and make the students practice with the technology, so that, they can be ready for industry requirements.

Mr. Gouse Pasha, Relationship manager, ICT Academy, gave a glimpse about ICT Academy, when & where started, and what services it is providing for Educational Institutes across the country.

Ms. S. Radhika then read the trainer profile of **Mr. S. Gopinath**, Senior Technical Trainer, ICT Academy followed by starting the session.

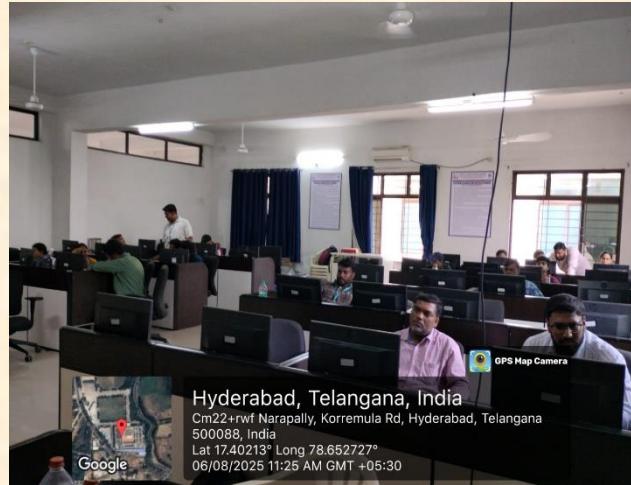
The trainer continued with the session topic of AI Fundamentals, Get started with Azure AI Services – Create and consume Azure AI services, provide Azure AI service resources, use the REST API and SDK, and Lab: Use Azure AI services.



Day 2 (05-08-2025): The trainer revised the previous day's topic and continued with the Day 2 session with the topics of Create computer vision solutions with Azure AI Vision – Identify options for face detection analysis. Exercise – Detect, Analyze, and Identify faces and so on.



Day 3 (06-08-2025): The trainer revised the previous day's topic and continued with the Day 3 session with the topics of Develop Natural Language Processing Solutions with Azure AI Services – Understand resources for building a conversational language. Lab – Create a question answering solution and so on.



Day 4 (07-08-2025): The trainer revised the previous day's topic and continued with the Day 4 session with the topics of Implement knowledge mining with Azure AI Search solutions, understanding search components, and understanding the indexing process. Lab – Create a search problem and so on.



Day 5 (08-08-2025): The trainer revised the previous day's topic and continued with the Day 5 session with the topics of Develop Generative AI solutions with Azure Open AI Service. Lab – Get started with Azure OpenAI service and so on.

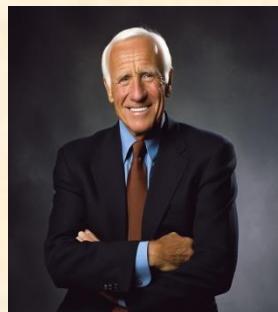
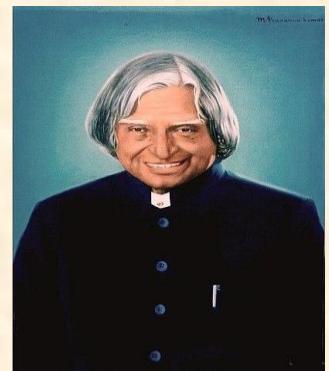
VALEDICTORY PHOTOS



Dr. K. Rameshwaraiah, Convener & Head-CSE, concluded the FDP by giving a glimpse of 5-days session

“The power of concentration is the only key to the treasure-house of knowledge.”

- **A.P.J Abdul Kalam**



“Discipline is the bridge between goals and accomplishment.”

- **Jim Rohn**

“Education is not just about gathering knowledge, but more so about learning how to think.”

- **Sandeep Maheshwari**





Nalla Narasimha Reddy
Group of Institutions

NNRG
Integrated Campus

NALLA NARASIMHA REDDY

Education Society's Group of Institutions—Integrated Campus

Near Narapally, Chowdariguda (V), Korremula 'X' Road, Ghatkesar (M),

Medchal-Malkajgiri (D), Hyderabad - 500088, Telangana.

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