



**KALLAM HARANADHAREDDY
INSTITUTE OF TECHNOLOGY**



I.T - EPITOME

YEAR : 2024-25 VOL : 2



**DEPARTMENT OF
INFORMATION TECHNOLOGY**



I.T - EPITOME



Vol.2, 2024

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DEPARTMENT VISION

To emerge as a hub of excellence in Information Technology by producing technically proficient and ethically strong IT professionals to meet the evolving needs of industry and society.

DEPARTMENT MISSION

1. To deliver quality instruction in Information Technology through competent faculty and state-of-the-art laboratories and preparing graduates for successful careers in I.T enabled services.
2. To empower students with a socially relevant and industry-oriented curriculum, supported by innovative teaching methods and an outcome based evaluation process.
3. Equip students with the skills and knowledge to excel in professional careers, pursue higher education, and launch successful entrepreneurial ventures.
4. Instill in students strong ethical values, a sense of responsibility, and a commitment to using their IT skills for the betterment of society and the environment.
5. To collaborate with top institutes and industries to derive research and innovation, making the department as center for R&D.

PROGRAMME EDUCATIONAL OBJECTIVES

1. The graduates are able to possess strong foundation in core Information Technology principles enabling them to pursue successful careers in the IT industry and contribute effectively to the advancement of technology and society.
2. The graduates are able to apply analytical and computational techniques to design, implement, evaluate and maintain IT based solutions that are technically proficient, economically feasible and socially acceptable.

3. The graduates are able to Communicate effectively, demonstrate professionalism, collaboration, ethical attitude, team spirit and pursue lifelong learning to achieve career, organizational and societal goals.

PROGRAMME SPECIFIC OUTCOMES

PSO 1: Apply core principles and concepts of Information Technology to analyze and design solutions for complex engineering and societal problems.

POS 2: Integrate knowledge of emerging technologies, programming languages, web programming, and modern tools to design and develop IT-based solutions.

PO 3: Develop skills through experiential learning to foster innovation and entrepreneurship.

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1. TECH INSIGHTS

Quantum Computing: Shaping the Future

Quantum Computing is a groundbreaking field that applies the laws of quantum mechanics to process information in ways that classical computers cannot. Instead of relying on bits that represent either 0 or 1, quantum computers use *qubits*, which can represent multiple states simultaneously through *superposition*. When combined with *entanglement*, this property enables quantum systems to explore many possible solutions at once, making them exceptionally powerful for solving complex problems.

Though still in its early stages, quantum computing holds enormous potential to transform industries such as healthcare, cybersecurity, finance, and artificial intelligence. For example, it can accelerate drug discovery by simulating molecules at the quantum level or

improve cryptography by breaking codes once thought uncrackable. Leading technology companies and research labs worldwide are investing heavily in this area, making it one of the most exciting frontiers in science and technology for the next generation of innovators.

Applications of Quantum Computing

- Healthcare
- Finance
- Artificial Intelligence
- Cybersecurity
- Logistics and Supply Chain
- Weather Prediction
- National Security and Defense

Quantum computing is not just another technology, it is a foundation for building a smarter, more efficient, and sustainable future.

"Quantum computing: today's research, tomorrow's reality."

By: C CHANDRA SEKHAR REDDY (228X1A1249)

2. STUDENT ACHIEVEMENTS

2.1.1 ACADEMIC EXCELLENCE

- The following Students have been awarded Merit Scholarships for the Academic Year 2023-2024 on Annual Day held on 08.03.2025.

S.NO	ROLL NO.	NAME OF THE STUDENT	CGPA
1	238X1A1216	MARUPROLU NITHIN SRIHARI REDDY	8.82
2	238X1A1235	BOYAPATI MOUNIKA JYOTHI	8.50
3	238X1A1212	KONISSETTY SRILAKSHMI	8.30
4	238X1A1238	GAIRUBOINA SRAVANTHI	8.31
5	238X1A1230	TATA VISHNU PRIYA KAVYA	8.27
6	238X1A1226	SHAIK MOHAMMAD RIDA AHALAM	8.00
7	228X1A1227	PATTAN NASHIRUNNISA	8.88
8	228X1A1212	KAMARAJUGADDA V V N S R GOWTHAM	8.85
9	228X1A1214	KANIKARAM DEDEEPPYA SREE	8.63
10	228X1A1220	LINGALA CHANDANA	8.51
11	228X1A1225	NUTAKKI SAI GEETHIKA	8.44
12	228X1A1207	GUDAVALLI NAGA SREEVIDYA	8.41
13	228X1A1201	ANNAPUREDDY SANJANA	8.32
14	218X1A1232	SEKURI MANJU BHARGAVI	8.29

- **S. Manju Bhargavi (218X1A1232)** secured the **highest CGPA** of **8.6** in the department.
- **K.V.Nagamalleswari (218X1A1214)** secured the **second highest** CGPA of **8.5** in the department.
- **GAIRUBOINA SRAVANTHI (238X1A1238)** secured SGPA of **9.09** in R23 II B.Tech. II Sem Regular Examinations April 2025.

2.1.2 PLACEMENTS

S.NO	STUDENT NAME	ROLL NO	COMPANY DETAILS	OFFERED ROLE	PACKAGE	DATE OF SELECTION
1	SAHITHYA KADIYAMSETTI	218X1A1213	REVATURE	Software Engineer	4 LPA	01.02.2025
2	KANAKA PURNA CHANDRA RAO THANNIRU	218X1A1241	REVATURE	Software Engineer	4 LPA	01.02.2025
3	KAMATHAM VENKATA NAGAMALLESWARI	218X1A1214	REVATURE	Software Engineer	4 LPA	01.02.2025
4	SOHEL SHAIK	218X1A1237	REVATURE	Software Engineer	4 LPA	01.02.2025
5	PEYYELA SOMYA	218X1A1228	REVATURE	Software Engineer	4 LPA	01.02.2025
6	MANJU BHARGAVI SEKURI	218X1A1232	REVATURE	Software Engineer	4 LPA	01.02.2025
7	BALAJI SHAIK	208X1A1263	REVATURE	Software Engineer	4 LPA	01.02.2025
8	MALEMPATI NAGA RAJITHA	218X1A1246	REVATURE	Software Engineer	4 LPA	01.02.2025
9	CHEREDDY MOHITH SANKAR	218X1A1207	SAVI Solutions	Process Associate	3 LPA	09.04.2025

3. UPSKILLING & CERTIFICATIONS

- R23 II B.Tech II Semester – 62 students completed Skill Enhancement Course: **JAVA FULL STACK-I**, offered by CodeTantra.

- R20A III B.Tech II Semester- 14 Students completed course **Microprocessors and Microcontrollers** offered through **SWAYM/NPTEL**.
- R20A III B.Tech II Semester students visited **Pi Data Center**, Mangalagiri as a part of **Industrial Visit** on 18.01.2025.
- R20 IV B.Tech II Semester- 65 students completed Long Term internship and project works in various domains during Dec-April 2025.
- R20A III B.Tech II Semester Students Attended a 3-Day workshop on **“Android APP Development Using Java”**, organized by Department of I.T in association with KPCODE4U at Kallam Haranadhareddy Institute of Technology (Autonomous), during 20th – 22nd March 2025.
- **Mrs.K.Himabindu**, Assistant Professor, participated at AIU-GIET University-AADC **“Five Days Hands-on Workshop on “Quantum Computing”** at GIET University, Gunupur, during 9-13th Dec 2024.
- **Mr.KRMC Sekhar**, Assistant Professor, participated in **“One Day Online FDP on “Research Paper Writing with the Support of AI Tools”**, organized by Malineni Lakshmaiah Women’s College, on 4th June 2025.
- **Mr.S.Akhilesh**, Assistant Professor, participated in **“One Day FDP on AI Tools for Research”** organized by Eswar College of Engineering, on 30.05.2025.
- **Mr.S.Akhilesh**, Assistant Professor, participated in **“FDP on Cloud Computing”** organized by ExcelR Edtech Pvt.Ltd., during 14-18 July 2025.
- Mr.M.Narasimha Rao, Assistant Professor, participated in **“One Day Online FDP on “Research Paper Writing with the Support of AI Tools”**, organized by Malineni Lakshmaiah Women’s College, on 4th June 2025.
- Mr.S.Sai Charan Reddy, Assistant Professor, , participated in **“One Day Online FDP on “Research Paper Writing with the Support of AI Tools”**, organized by Malineni Lakshmaiah Women’s College, on 4th June 2025.
- **Dr.MD.Sirajuddin**, Professor & Head, Department of I.T, attended **“6-Day Faculty Development Program on Revolutionizing Education with Generative AI: Teaching and Learning Strategies”**, held from 10-15th March 2025, organized by the Department of CSE, Narasaraopeta Engineering College (NEC) in collaboration with Blackbucks Group.
- **Mr.B.V.V.H Chandrasekhar**, Assistant Professor, attended **“6-Day Faculty Development Program on Revolutionizing Education with Generative AI: Teaching and Learning Strategies”**, held from 10-15th March 2025, organized by the Department of CSE, Narasaraopeta Engineering College (NEC) in collaboration with Blackbucks Group.
- All IT Department faculty members participated in a 3-Day workshop on **“Android APP Development Using Java”**, organized by Department of I.T in association with KPCODE4U at Kallam Haranadhareddy Institute of Technology (Autonomous), during 20th – 22nd March 2025.
- The following students achieved **Global Certifications** in 2024-2025.

S.NO	ROLL NO.	STUDENT NAME	SPECIALIZATION	CERTIFYING AUTHORITY
1	218X1A1207	CHEREDDY MOHITH SANKAR	AWS Certified Cloud Practitioner	AWS
2	218X1A1212	JIRIPURAPU SRAVANI	AWS Certified Cloud Practitioner	AWS
3	218X1A1213	KADIYAMSETTI SAHITHYA	AWS Certified Cloud Practitioner	AWS
4	218X1A1206	CHALLA SIVA PRAKASH	Agentforce Specialist	Salesforce
5	218X1A1216	KATTEBOINA SASIVARDHAN	Agentforce Specialist	Salesforce
6	218X1A1220	KUNAPAREDDY YASASWINI DEVI	Agentforce Specialist	Salesforce
7	218X1A1232	SEKURI MANJU BHARGAVI	Agentforce Specialist	Salesforce
8	218X1A1233	SHAIK JOHN USSMAN	Agentforce Specialist	Salesforce
9	218X1A1239	TADIBOINA VENKATA SURENDRA GOPAL	Agentforce Specialist	Salesforce
10	218X1A1240	TALARI SRIHARI	Agentforce Specialist	Salesforce
11	218X1A1255	KAKUMANU NAGA VIJAY SHEKAR	Agentforce Specialist	Salesforce
12	228X5A1202	BANDARU KESAVA RAM	Agentforce Specialist	Salesforce
13	228X5A1204	NAKKALA CHAITANYA KRISHNA	Agentforce Specialist	Salesforce

4. FACULTY ACHIEVEMENTS

- **Dr. MD.Sirajuddin & Dr.K.Sivaramaprasad**, Department of I.T, Published a research work entitled **“Detect and Envision of Pandemic Disease Exposure using CNN”**, in **Indonesian Journal of Electrical Engineering and Computer Science**, Vol.37, No.2, <http://doi.org/10.11591/ijeecs.v37.i2.pp948-958>. (*Scopus Indexed*).
- **Dr.MD.Sirajuddin, Professor & Head**, Delivered an Invited Talk on **“Cybersecurity and Digital Forensics”**, as a part of academic enrichment initiative on 05th April 2025, organized by the Department of Computer Science and Engineering, University College of Engineering, Acharya Nagarjuna University, Guntur, AP.



5. INVITED TALKS

- Organized a 3-Day workshop on **Android Development Using Java** during 20.03.2025 to 23.03.2025.
- Conducted a Seminar on **“GenAI”** on 03.04.2025.
- Organized a Career Talk on **“The AI Networking Era: Exciting Career Opportunities”** on 04.02.2025.
- Organized **Alumni Talk** on **“Importance of Communication in Tech Roles”** on 12.04.2025 delivered by V.Srinadh & P.Venkata Bala Pranav Kumar.





6. ITFT STUDENT CHAPTER ACTIVITIES

- Organized **Industrial Visit** to Pi Data Center, Mangalagiri on 18.01.2025.



- ITFT organized **Farewell Celebrations** on 20.04.2025.



- ITFT organized **Mock Interview** for IT Students during 01-4th April 2025.

7. STUDENT PUBLICATIONS

S.No.	AUTHOR NAMES	TITLE OF WORK	NAME OF THE JOURNAL	VOL & ISSUE	YEAR	ISSN NO	DOI
1	1. SEKURI MANJU BHARGAVI 2. BANDARU KESAVA RAM	A Comparative Analysis with Machine Learning Models	International Journal of Multidisciplinary Research and Growth Evaluation	Volume 06 Issue 02	March-April 2025	Online ISSN 2582-7138	https://doi.org/10.54660/IJMRGE.2025.6.2.452-455
2	1. KAMATHAM VENKATA NAGA MALLESWARI 2. YARRAM TANUJA 3. KALLAM SRIKANTH REDDY 4. CHINTHAREDDY VISHNU KANTH REDDY	CO2 Emission Predictions through Machine Learning	International Journal of Future Engineering Innovations	Volume 02 Issue 02	March-April 2025	Online ISSN 3049-1215	https://doi.org/10.54660/IJFEI.2025.2.2.56-60
3	1. 1.SAKILA AKHILESH 2. 2.BRAHMA TEJASWINI ABBURI 3. 3.PEYELA SOMYA 4. RAGHUKULA MOHANA SAI KRISHNA 5. TALARI SRIHARI	Fertilizer Recommendation for Agriculture using Machine Learning	International Journal of Multidisciplinary Research and Growth Evaluation	Volume 06 Issue 02	MARCH 2023	Online ISSN 2582-7138	https://doi.org/10.54660/IJMRGE.2025.6.2.756-760
4	1. K.SAHITHYA 2. J.KEERTHANA 3. K.SUNIL JOSHI 4. R KHADAR BASHA	Efficient Deepfake Image Detection Model Based	International Journal Of Multidisciplinary Research and Growth Evaluation	VOLUME 06 ISSUE 02	MARCH-APRIL-2025	ONLINE – ISSN 2582-7138	https://doi.org/10.32628/IJSRST52310269 https://doi.org/10.54660/IJMRGE/.2025.6.2.650-653

		on MobileNetV2					
5	1. KUNAPAREDDY YASASWINI DEVI 2. NISSANKARARAO VENKATA TARUN 3. GOLI VENKATA RAMANJI 4. TADIBOINA VENKATA SURENDRA GOPAL	Audio Impersonation detection through Spectrogram Insights	International Journal of Engineering Science and Advanced Technology (IJESAT)	VOLUME 25 Issue 03	MARCH2 025	ISSN No 2250-3676	https://doi.org/10.5281/zenodo.15099335
6	1. MR. MALLELA NARASIMHA RAO 2. MANGALAGIRI MANVITHA 3. SHAIK NAGABABU 4. VAKA VENKATA SAI MANASA 5. CHANDU JATHIN NAGA SURYA	FLIGHT DELAY DETECTION USING MACHINE LEARNING	International Journal of Engineering Science and Advanced Technology (IJESAT)	VOLUME 25 Issue 03	MARCH2 025	ISSN 2250-3676	https://doi.org/10.5281/zenodo.15082597
7	1. KPMC SEKHAR 2. SHAIK SOHEL 3. VANUKURI MANIDEIPA 4. ALLA SAI PAVAN 5. DANABOINA VAMSI KRISHNA	An Intelligent Music Recommendation System	International Journal of Multidisciplinary Research and Growth Evaluation	Volume 06 Issue 02	March-April 2025	Online ISSN 2582-7138	https://doi.org/10.54660/IJMRGE.2025.6.2.751-755

8	1. K.R.M.C SEKHAR 2. DUPATI ASHOK 3. MALEMPATI NAGA RAJITHA 4. THIMMAREDDY VIJAY KUMAR REDDY 5. GUMMA TIRUMALA RAJA	Powered Voice Screening for Parkinson's Disease	International Journal of Multidisciplinary Research and Growth Evaluation	Volume 06 Issue 02	March-April 2025	Online ISSN 2582-7138	https://doi.org/10.54660/IJMRGE.2025.6.2.692-695
9	1. GONUGUNTA SRI SAI AMRUTHA 2. PASUPULETI BHAVANA 3. THANNIRU KANAKA PURNA CHANDRA RAO 4. DEVARAKONDA RAJASEKHAR	A Heuristic Based Approach for Detection of Phishing Websites from URL's Using Machine Learning	International Journal of Future Engineering Innovations	VOLUME: 10 ISSUE:2	MARCH-APRIL 2023	Online ISSN 3049-1215	https://doi.org/10.54660/IJFEI.2025.2.2.51-55
10	1. MR. SAKILA AKHILESH 2. KUKKALA SAI MAHESWARI 3. ANNEM SUJATHA 4. KORLAPATI VENKATA DIVYA SAI BABU 5. SIRIGIRI CHIDVILASH CHOWDARY	Cloud solutions for Sustainable Dairy Farming Practices	International Journal of Engineering Science and Advanced Technology (IJESAT)	VOLUME: 25 ISSUE:03	MAR, 2025	ISSN No: 2250-3676	https://doi.org/10.5281/zenodo.15099346
11	1. MRS. K. M. R. HIMA BINDU 2. BALA SWATHI 3. MADDI NAGA SAI 4. RAPOLU RAVINDRA 5. KORABANDI SHALEM RAJU	Graphical Password Based Authentication System for Software	International Journal of Engineering Science and Advanced Technology (IJESAT)	VOLUME: 25 ISSUE 3	MARCH 2025	ISSN No: 2250-3676	https://doi.org/10.5281/zenodo.15082634

12	1. MALLELA NARASIMHA RAO 2. TAMMA SREYA 3. BADUGU RENUKA 4. SAMPATHI KALYAN CHAKRAVARTHI 5. NAKKALA CHAITANYA KRISHNA	Vehicle Insurance Purchase Prediction Using Machine Learning	International Journal of Multidisciplinary Research and Growth Evaluation	VOLUME: 6 ISSUE 2	March-April 2025	Online ISSN 2582-7138	https://doi.org/10.54660/.IJMRGE.2025.6.2.761-765
13	1. KPMC SEKHAR 2. JIRIPURAPU SRAVANI 3. SOMA YAGNA PRIYA 4. GOWRA PAVAN KUMAR 5. CHEREDDY MOHITH SANKAR	Hand Gesture Detection using Deep Learning with YOLOv5	International Journal of Multidisciplinary Research and Growth Evaluation	VOLUME: 6 ISSUE:2	March-April 2025	Online ISSN 2582-7138	https://doi.org/10.54660/.IJMRGE.2025.6.2.742-750
14	1. B V V H CHANDRA SEKHAR 2. KAKUMANU NAGA VIJAY SHEKAR 3. SANAM VEERA VENKATA MANI SHANKAR 4. CHALLA SIVA PRAKASH 5. SHAIK JOHN USSMAN	AI-Driven Virtual Interviewer	International Journal of Multidisciplinary Research and Growth Evaluation	VOLUME: 6 ISSUE:2	March-April 2025	Online ISSN 2582-7138	https://doi.org/10.54660/.IJMRGE.2025.6.2.566-570
15	1. MR. S SAI CHARAN 2. PAPANA SUDHEER 3. KATTEBOINA SASIVARDHAN 4. GANJI KIRAN REDDY	SMART WILDLIFE DETECTION AND ALERT SYSTEMS FOR RURAL AREAS AND AGRICULTURAL REGIONS	Journal of Engineering Sciences	VOLUME: 16 ISSUE:3	March 2025	ISSN: 0377-9254	<u>DOI:10.15433.JES.2025.V16I3.43P.59</u>
16	1. B V V H CHANDRA SEKHAR 2. MALLI SHARON PUSHPA 3. BHUVANAGIRI YOGA PRIYA	STOCK SENSE YOUR INTUITIVE STOCK	International Journal of Engineering Science and	Vol.25 Issue:3	March 2025	ISSN No: 2250-3676	https://doi.org/10.5281/zenodo.15082687

	4. KANAMARLAPUDI VARUN KUMAR 5. DAREDDY MANIKANTA REDDY	TRADING PLATFORM	Advanced Technology (IJESAT) Vol 25 Issue 03, MAR, 2025				
17	1. SK RUHEE 2. K HEMALATHA 3. SK SAJID 4. YV ASHOK REDDY	Detection of Fake Online Reviews Using Machine Learning	International Journal of Multidisciplinary Research and Growth Evaluation	VOLUME: 6 ISSUE:3	March-April 2025	online ISSN 2582-7138	https://doi.org/10.54660/IJMRGE.2025.6.2.730-736
18	1. MR.S. SAICHARAN 2. PUNATI ANIL KUMAR 3. SHAIKBALAJI	Enabling Fast Public Auditing and Data Dynamics in Cloud Services	Journal of Engineering Sciences	VOLUME: 16 ISSUE:3	March 2025	ISSN: 0377-9254	<u>DOI:10.15433.JES.2025.V16I3.43P.65</u>

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