



**KALLAM HARANADHAREDDY
INSTITUTE OF TECHNOLOGY**



IT - EPITOME

YEAR : 2024-25 VOL : 1



**DEPARTMENT OF
INFORMATION TECHNOLOGY**



I.T - EPITOME



Vol. 1, 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

AI DRIVEN CYBERSECURITY: DEFENSE FOR A DIGITAL ERA

The integration of Artificial Intelligence (AI) in cybersecurity is revolutionizing digital defense by enabling smarter, faster and more adaptive protection against threats. Unlike traditional rule-based systems, AI can analyze vast amounts of data in real time, detect anomalies, and identify sophisticated attacks such as zero-day exploits and Advanced Persistent Threats (APTs). By leveraging machine learning, deep learning, and predictive analytics, AI systems not only enhance accuracy in threat detection but also automate routine security tasks, thereby reducing human workload and response time. This enables security teams to focus on more complex challenges while ensuring faster and more reliable defense.

AI-powered cybersecurity solutions are increasingly being adopted across

industries due to their versatility and effectiveness.

Key applications

- Fraud detection in banking
- E-commerce,
- Malware and ransomware classification
- Phishing and spam filtering, intrusion detection systems
- Behavioral analytics for insider threat prevention.
- In addition, AI strengthens cloud and IoT security, where traditional defenses struggle to keep up with scale and diversity.

With its ability to learn and adapt to evolving attack patterns, AI is emerging as an essential shield against modern cyber threats, making it a cornerstone of the future of digital security.

By: Sk.Sohel (218X1A1237)

2. STUDENT ACHIEVEMENTS

2.1.1 ACADEMIC EXCELLENCE

- **D.Swetha (208X1A1204)** secured highest in B.Tech I.T CGPA of **8.6**.
- **P.Sai Bhanu Manasa (208X1A1230)** secured second highest CGPA in B.Tech I.T of **8.58**.

- **KVVNSR Gowtham (228X1A1212)** Secured **8.92** SGPA in II B.Tech II Sem Reg. Examinations.
- **SAHITHYA KADIYAMSETTI (218X1A1213)** secured **8.19** SGPA in III B.Tech II Sem Reg. Examinations.
- **SK John Usman (218X1A1233) & SK. Nagababu (218X1A1234)** Secured **3rd Prize** in **Treasure Hunt**, at **VIVA VVIT 2024** held on 21st & 22nd Dec 2024.
- **K.Naga Vijay Sekhar (218X1A1255) & T.Vijay Kumar Reddy (218X1A1261)** Secured **3rd Prize** in **Decode the Pulse**, at **VIVA VVIT 2024** held on 21st & 22nd Dec 2024.
- **J.Gnaneshwara Rao (228X1A1210) & KVVNSR Gowtham (228X1A1212)**, Secured **2nd Prize** in **Brain Teaser**, at **Cultural Fest Colorido** Organized by RVR & JC College of Engineering on 27th -28th Dec 2024.

2.1.2 PLACEMENTS

S.NO	STUDENT NAME	ROLL NO	COMPANY DETAILS	OFFERED ROLE	PACKAGE	DATE OF SELECTION
1	JIRIPURAPU SRAVANI	218X1A1212	KodeNest	Software Engineer	3.6 LPA	15.08.2024
2	D. ASHOK	218X1A1209	JUSTDAIL	Certified Internet Consultant	2.8 LPA	21.11.2024
3	SK. SOHAIL	218X1A1237	JUSTDAIL	Certified Internet Consultant	2.8 LPA	21.11.2024
4	K. VARUN KUMAR	218X1A1256	JUSTDAIL	Certified Internet Consultant	2.8 LPA	21.11.2024
5	SRAVANI JIRIPURAPU	218X1A1212	JUSTDAIL	Certified Internet Consultant	2.8 LPA	21.11.2024
6	SAHITHYA KADIYAMSETTI	218X1A1213	JUSTDAIL	Certified Internet Consultant	2.8 LPA	21.11.2024
7	KOLLIPARA HEMALATHA	218X1A1217	JUSTDAIL	Certified Internet Consultant	2.8 LPA	21.11.2024
8	M.MANVITHA	218X1A1222	JUSTDAIL	Certified Internet Consultant	2.8 LPA	21.11.2024
9	PEYYELA SOMYA	218X1A1228	JUSTDAIL	Certified Internet Consultant	2.8 LPA	21.11.2024
10	S. MANJU BHARGAVI	218X1A1232	JUSTDAIL	Certified Internet Consultant	2.8 LPA	21.11.2024
11	S.YAGNA PRIYA	218X1A1238	JUSTDAIL	Certified Internet Consultant	2.8 LPA	21.11.2024
12	VANUKURI MANI DEEPA	218X1A1243	JUSTDAIL	Certified Internet Consultant	2.8 LPA	21.11.2024
13	BHUVANAGIRI YOGA PRIYA	218X1A1249	JUSTDAIL	Certified Internet Consultant	2.8 LPA	21.11.2024
14	T. SREYA	218X1A1260	JUSTDAIL	Certified Internet Consultant	2.8 LPA	21.11.2024

15	SAHITHYA KADIYAMSETTI	218X1A1213	SUTHERLAND	Process Associate	2.8 LPA	11.12.2024
16	SRAVANI JIRIPURAPU	218X1A1212	SUTHERLAND	Process Associate	2.8 LPA	11.12.2025

3. UPSKILLING & CERTIFICATIONS

- R20A IV B.Tech I Semester- 67 Students completed **NDG Linux Essentials** course offered by **Cisco Netacad**.
- R20A III B.Tech I Semester- 65 students completed **JavaScript Essentials 1** course offered by **Cisco Netacad**.
- R23 II B.Tech I Semester- 62 Students completed **SEC-I: Python Programming** course offered by **CodeTantra**.
- R20 III B.Tech I Semester -58 Students completed **Software Testing** Course offered through **SWAYAM/NPTEL**.
- Dr.MD.Sirajuddin, Professor & Head, Department of I.T, attended a **One Week FDP on OBE & NEP 2020**, during 10.06.2024 to 14.06.2024 organized by VIT-AP University.
- Mr.J.Mahesh, Assistant Professor, attended a **One Week FDP on OBE & NEP 2020**, during 10.06.2024 to 14.06.2024 organized by VIT-AP University.
- Mr.D.Sandeep, Assistant Professor, attended a **One Week FDP on OBE & NEP 2020**, during 10.06.2024 to 14.06.2024 organized by VIT-AP University.
- Mr.S.Akhilesh, Assistant Professor, attended a **One Week FDP on OBE & NEP 2020**, during 10.06.2024 to 14.06.2024 organized by VIT-AP University.
- Mr.BVVH Chandrasekhar, Assistant Professor, attended a **Two Day FDP on Deep Learning Techniques**, organized by the department of CSE, VKR, VNB & AGK College of Engineering during 14.11.2024 to 15.11.2024.
- Mr.BVVH Chandrasekhar, Assistant Professor, attended a **One Week FDP on OBE & NEP 2020**, during 10.06.2024 to 14.06.2024 organized by VIT-AP University.
- Mr.BVVH Chandrasekhar, Assistant Professor, attended a **5 day FDP on Computational Tools on Engineering and Research: Issues and Challenges**, Organized by the Department of CSE, Techno Engineering College, Banipur, during 18.11.2024 to 22.11.2024.



- **Mr.B.V.V.H Chandrasekhar, Assistant Professor**, attended **“Two-Day FDP on Deep Learning Techniques”**, organized by the department of Computer Science and Engineering, VKR, VNB & AGK college of Engineering, Gudivada, during 14-15th Nov.2024.
- **Dr.K.Sivaramaprasad**, Associate Professor, attended a FDP on **“Computational Tools on Engineering and Research: Issues and Challenges”** organized by Techno Engineering College Banipur, during 18.11.2024 to 22.11.2024.

4. FACULTY ACHIEVEMENTS

- **Dr.MD.Sirajuddin**, Professor & Head, Department of IT, Published a research article entitled **“ A Secure Framework based on Hybrid Cryptographic Scheme and Trusted Routing to Enhance the QoS of a WSN”**, in **Engineering, Technology and Applied Research (ESCI & Scopus Indexed, Q2)**, Vol.14, no.4, pp.15711-15716, August 2024.
- Acted as a **reviewer** for **Cluster Computing (Springer Nature)** Scopus indexed Journal.

5. INVITED TALKS

- Organized an Invited Talk on **“Internet of Things”**, delivered by Dr.S.Suryanarayan, Professor & Head, Department of ECE, KHIT on 10.08.2024 for III & IV Year I.T Students.
- Organized a Keynote address on **“Deep Learning: Algorithms to Applications”**, delivered by Dr.U.Sathish Kumar, Assistant Professor & Head, Department of Data Science and Cyber Security, University College of Engineering & Technology, Acharya Nagarjuna University on 27.09.2024.
- Organized **Three-Day Google AIML Tech Camp** during 11.11.2024 to 13.11.2024.
- III & IV Year IT students participated in **One Week IBM Skill Build Tech Camp** held during 25.11.2024 to 30.11.2024.
- IT students participated in Career Talk on **“Career Opportunities in the Cybersecurity Field”**, on 21.12.2024.
- IT students participated in **Python Programming Workshop** held during 12.08.2024 to 19.08.2024 organized by APSSDC.

6. ITFT STUDENT ASSOCIATION ACTIVITIES





- Celebrated **ITFT Anniversary** and reconstitution of ITFT committees 24.08.2025
- **Teacher's Day celebration** on 05.09.2024.
- **Engineer's Day celebration** on 15.09.2024.
- Conducted a Seminar on **Artificial Intelligence and Machine Learning** on 23.11.2024.
- Organized a **Group Discussion** event on 18.12.2024.
- ITFT initiated Department **Language Club** to enhance students' communication, presentation, and professional writing skills that foster confidence and teamwork."



7. HIGHER EDUCATION

- The following graduates have secured admissions in reputed international universities.

S.NO	ROLL NO.	STUDENT NAME	PROGRAMME	NAME OF UNIVERSITY
1	208X1A1205	DANTHULURI VENGALA RAO	M.S Information Technology	University of Cincinnati
2	208X1A1211	HARIKA TADIBOYINA	M.S	University of Bridgeport
3	208X1A1213	KADIYALA DIVYASRI	M.S Information Systems	Northwest Missouri State University
4	208X1A1224	NARRA LAKSHMI	M.S Information Technology	Arizona State University
5	208X1A1230	PULI SAI BHANU MANASA	M.S Information Systems & Technology	University of North Texas
6	208X1A1243	DUGGEMPUDI SANDEEPREDDY	MS Data Analytics	University of ILLINOIS SPRINGFIELD
7	208X1A1257	ESIREDDY VINAY KUMAR REDDY	MS Computer Science	University of North Texas
8	208X1A1260	SAGAR REDDY SYAMALA	MS Computer Science	University of ILLINOIS SPRINGFIELD
9	208X1A1256	VATTURU SAINADH	MSc Computer Science	University of East London
10	208X1A1201	VENKATA NAGA RAMYA ANDRA	MS Computer Science	University of ILLINOIS SPRINGFIELD
11	218X5A1205	TANNERU SADANAND	MSc Data and Artificial Intelligence	University of Wales Trinity Saint David (UWTSD)
12	218X5A1206	THOTA DEVENDRA KUMAR	MS Cyber Security	National College of Ireland





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EDITORIAL TEAM

- **Dr.MD.Sirajuddin Professor & Head,
Department of I.T, KHIT**
 - **Mr.BVVH Chandra sekhar,
Asst. Professor,
Department of I.T,KHIT**
1. **Sk. Sohel (218X1A1237)**
 2. **K.Sasi Vardhan (218X1A1216)**
 3. **M.Nageswara Rao (238X5A1205)**