Faculty Proftle

Basic Information:



NAME	**P. KAVITHA**
DESIGNATION	**ASSISTANT PROFESSOR**
DEPARTMENT:	**M.C.A**
DATE OF BIRTH	**14-11-1980**
DATE OF JOINING	**18-06-2007**
EMAIL ID	**pkt@aitsrajampet.ac.in**
EMPLOYEE ID:	**:354**

Academic Profile:

Qualification	Name of the Board/University	YEAR
Ph.D(Pursuing)	Annamacharya University, Rajampet	Registered 2024
M.Tech(CSE)	J.N.T.U.A, Anantapur	2016
M.Sc(IS)	Osmania University, Hyderabad	2004

Research Details:

1.Areas of Specialization		Computer Science
2.No. of Publications		10
3.Awards Received		Nil
4.Research Guidance		
	No. of PhD Guided:	-
	No. of M.C.A. Guided:	63
5.Details of Professional Membership:		IAENG
6.Subjects Taught		**For Post Graduates** Mathematical Foundations of Computer Science, E-Commerce, Object Oriented Analysis and Design, Java Programming, Software Engineering, Cloud Computing, Web Technologies, Full Stack Development, Computer Fundamentals and Office Automation, Software Architecture, Constitution of India, Organization Structure & Personnel Management.

Publication Details:

Title	Publisher	Published Year
An Efficient Hybrid K-Means and Random Forest-Based Approach for Cloud Malware Detection and Privacy Protection	International Conference on Intelligent Technologies (CONIT)	July 2026
Performance Assessment of CPU Scheduling Algorithms: A Scenario-Based Approach with FCFS, RR, and SJF	The Bioscan An International Quarterly Journal of Life sciences	July 2024
Computer Vision For Reducing Food Waste In An Institutional Canteen: A Literature Review And Performance Analysis	Industrial Engineering Journal	October 2023
Enhancing Data Privacy in Cloud Storage: A Three Layer Framework with Fog Computing	International Journal of Food and Nutritional Sciences(IJANS)	January 2023
A Speculative Model to explore Data Hub and QoS in IAAS Cloud Computing Systems	International Journal of Recent Technology and Engineering(IJRTE)	January 2020
Mobility Pattern Probing of Mobile Users using Call Data Record Dataset	International Journal of Recent Technology and Enginee1ing(IJRTE)	November 2019
A Study on Call Data Records in Data Centers: Incoming Calls and Outgoing Calls	International Journal Of Enginee1ing and Techniques-IJET	May 2018
International Journal Of Engineering and Techniques-IJET	International Journal	2016
Wireless Charging Of Mobile Phones	International Journal Of Entrepreneurship And Business Environment	March 2014
Extract The Uncertain Data From Firms For Better Usage For Decision Making- Real Use Of Big Data"	International Journal Of Entrepreneurship And Business Environment	March 2014

Academic and Administrative Roles:

1) Department NBA Co-ordinator.
2) Department BoS Member
3) Department Projects Co-ordinator.

Conferences:

- Presented a Paper on " ***An Efficient Hybrid K-Means and Random Forest-Based Approach for Cloud Malware Detection and Privacy Protection***" in 6 t h International Conference on Intelligent Technologies (CONIT 2026) Hubballi, Karnataka, India., during 19 th to 21 st June 2026.
- Presented a Paper on " **Blockchain-Based Workshop Certificate Generator and QR-Based Verification System** in 9th National Level Conference on Emerging Trends in Artificial Intelligence and Network Security organized by Department of Computer Applications , Santhiram Engineering College, Nandyal on 31st March 2026.
- Presented a Paper on "**Deep Learning** : **A Comprehensive Overview**" in National Conference on Smart Electronics: Engineering the Futme of Intelligence(NC'SEFI-2024) held on 20-04-2024 organized by Department of ECE, Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet, Kadapa District, Andhra Pradesh, India.
- Presented a Paper on "**Face Mask Recognition using Machine Learning**" in National Conference on Emerging Trends in Engineering & Technology (NCETET-202l)held on 15-09-2021 organized by Annamacharya Institute of Technology & Sciences (Autonomous), Rajamept, Kadapa District, Andhra Pradesh, India.
- Presented a Paper on "**A Significant Analysis of Call Detail Records with Time Series Forecasting using Tensor Flow"** in National E-Conference on Advances in Computing Technology (NCACT-2021)" on 08-01-2021, Organized by the Department of Computer Science and Computer Applications, Faculty of Arts & Science, BIST, BIHER, Thiruvanchery, Chem1ai, Tamil Nadu, India.
- Presented a Paper on "**Efficient Data Encryption using Cryptographic Hash features for Health Care**" in National E-Conference on Advances in Computing Technology (NCACT-2021)" on 08-01-2021, Organized by the Department of Computer Science and Computer Applications, Faculty of Arts & Science, BIST, BIHER, Thiruvanchery, Chennai, Tamil Nadu, India.
- Presented a Paper on "**Time Series Analysis with CDR Dataset in Mobile Networks**" in International Conference (ICRTSM-2018) held during 23-11-2018 to 24-11-2018 organized by Bharath Institue of Higher Education and Research, Tamilnadu, India.
- Presented a Paper on "**A Study on Call Data Records** in **Data Centers:Incoming Calls and Outgoing Calls"** in National Conference (NC'e- Times#l.0) held during 14-03-2018 to 15-03-2018 organized Am1amacharya Institute of Technology & Sciences (Autonomous), Rajamept, Kadapa District, Andhra Pradesh, India.

Workshops:

- Attended One Day Workshop on **"Machine Learning"** on 25 October 2025 Conducted by FirstBitSolutions.
- Attended One Day Workshop on **"Research Pape1· Writing Tools: Latex and Overleaf**' on 19 August 2023 Organized by Department of Computer Science &Engineering, Chaitanya Bharathi Institute of Technology (Autonomous), Hyderabad.
- Attended National Level 2 Day Workshop powered by Skill to Hire on" **Easy Implementation of LMS in your Institute"** Co-ordinated by Department of EEE, 25-07-2020 to 26-07-2020 at Annamacharya Institute of Technology and Sciences(Autonomous), New Boyanapalli, Rajampet, Kadapa District, Andhra Pradesh.
- Attended **"One Day Workshop on eSim, a first Course in the loT Series for Teachers**" held at AITS Rajampet, on 21-09-2019.
- Attended A Three Day Work Shop on **"Cyber Security**" Hands on Experience conducted by AITS, Rajampet, from 14-03-2019 to 16-03-2019.
- Attended a Two Day Workshop on "**Resea1·ch Methodology** & **Application of SPSS fo1· Data Analysis"** held on 24th& 25th March 2017 conducted by **Department of Business Administration**

at Annamacharya Institute of Technology and Sciences(Autonomous), New Boyanapalli, Rajampet, Kadapa District, Andhra Pradesh.

- Attended **"Massively Empowered Classroom"** workshop conducted by **Microsoft Research India Pvt Ltd.** The duration of the course was from August 2014 to December 2014.
- Attended an Institutional Workshop on **"Training the Teacher** in **Communicative English"** during 10th to 17th September, 2013 at Annamacharya Institute of Technology and Sciences (Autonomous), Rajampet.
- Attended One Day Workshop organized by Microsoft & IEG/JKC through MANA TV on Systems Integration on 20-02-2009.

Webinars:

- Participated in Webinar· on 6th Anniversary of National Education Policy (NEP)2020 on 29-07-2026 organized by Rajshree Institute of Management & Technology, Barielly, India.
- Participated in National Webinai· on :Financial Empowe1ment through Strategic Planning" organized by Department of Business Administration, AITS,Rajampet on in collaboration with Association of Mutual Funds in India(AMFI) on 25-05-2022.
- Participated in One Week Online Webinar Series -21 Program on **"Recent Advancements of Soft Computing Techniques** in **Applied electronics"(RASTE-21)** during 15-06-2021 to 19-06-2021 organized by Department of ECE Annamacharya Institute of Technology and Sciences(Autonomous), New Boyanapalli, Rajampet, Kadapa District, Andhra Pradesh.
- Participated in Webinai· on **"The New Face of Higher Education after COVID-19"** on 10-05-2020 organized by Acharya Nagarjuna University.
- Participated in National Level Webinai· on "**Cyber Laws** in **India: A Critical Analysis of Information Technology Act, 2000**" on 04-08-2020 organized by Department of Computer Applications, Annatnacharya Institute of Technology and Sciences(Autonomous), New Boyanapalli, Rajampet, Kadapa District, Andhra Pradesh.
- Participated in Three Day National Webinai·on **"Promotion of Collaborations, Impactful Papers and Decision Sciences"** during 29-07-2021 to 31-07-2021 organized by Annamacharya Institute of Technology and Sciences(Autonomous), New Boyanapalli, Rajampet, Kadapa District, Andhra Pradesh.
- Participated in One Day National Webinar on **"Motivation for Inventions and Funding Opportunities for Inventors"** on 24-07-2021 organized by Innovation and Incubation Center, Annamacharya Institute of Technology and Sciences(Autonomous), New Boyanapalli, Rajampet, Kadapa District, Andhra Pradesh.
- Participated in One Day National Webinar on **"Recent Advances in Iron Making Technology"** on 29-08-2021 organized by Innovation and Incubation Center, Annamacharya Institute of Technology and Sciences(Autonomous), New Boyanapalli, Rajampet, Kadapa District, Andhra Pradesh.
- Participated in One Day National Webinar on "**Cloud Technologies in the Real World**" on 14-08-2021 organized by Department of Computer Applications, Annamacha1ya Institute of Technology and Sciences(Autonomous), New Boyanapalli, Rajampet, Kadapa District, Andhra Pradesh.
- Participated in Webinai·on" An Overview ofReseai·ch Impact Metrics" organized by Depattment of Humanities and Sciences, JNTUCE, Pulivendula on 25-05-2020.

Course Certifications:

- Successfully completed and received a passing grade in " **Introduction to Data Science**" on 09-05-2024, a **edXcourse** of study offered by IBM, an online learning initiative of IBM.
- Successfully completed and received a passing grade in " **Software Engineering Basics for Everyone**" on 10-05-2024 , a **edXcourse** of study offered by IBM, an online learning initiative of IBM.
- Successfully completed **"Al For Everyone** "on 22-05-2020 ,an online non-credit course authorized by deeplearning.ai and offered th.rough. Coursera.

- Successfully completed "**What** is **Data Science** "on 24-06-2020 ,an online non-credit course autho1ized by deepleaming.ai and offered through Coursera.

NPTEL CERTIFICATE

- Successfully completed **"Introduction to Internet of Things"** an online certification course authorized by SWAYAM NPTEL.

Faculty Development Program:

- Participated in Faculty Development Progran1on" **AI Tools for Research and Scholarly Writing**", **Organized** by MIT Academy of Engineering, ICFAI, A.C. Patil College of Engineering , Kharghar , Navi Mumbai , SSR College of Arts , Commerce and Science , Silvassa in collaboration with ExcelR Edtech Pvt. Ltd. from 28-09-2026 to 03-10-2026.
- Participated in Faculty Development Progran1on"**Advancements in Artificial Intelligence and Machine Learning fro Real World Applications**", **Organized** by Department of Computer Science and Information Systems, Institute of Technology , Shri Ramswaroop Memorial University, Lucknow- Deva Road, Barabanki, Uttar Pradesh, India from 13-07-2026 to 18-07-2026.
- Participated in Faculty Development Progran1on" **Vibe Coding Using Gen AI Tools**", **Organized** by MVSR Engineering College, Hyderabad, Dr. K.N.Modi University, Tonk, Rajasthan, Bharati Vidyapeeth College of Engineering, Navi Mumbai, Bharati Vidyapeeth(Deemed to be University) College of Engineering, Pune in collaboration with ExcelR Edtech Pvt. Ltd. from 16-03-2026 to 23-03-2026.
- Participated in Faculty Development Progran1on" **Cyber Security**", **conducted** by ExcelR Edtech Pvt. Ltd. in collaboration with Saraswati College of Engineering , Kharghar & Jawaharlal Nehru New Colplege of Engineering, Shivamogga from 13-10-2025 to 17-10-2025.
- Participated in Faculty Development Progran1on" **Gen AI- RAG(Retrieval- Augmented Generation),** Organized by Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana. MVSR Engineering College (Autonomous), Nadergul, Hyderabad.in Collaboration with ExcelR Edtech Pvt. Ltd. from 08-09-2025 to 12-09-2025.
- Participated in Faculty Development Progran1on "**Augmented Reality/ Virtual Reality (AR/VR),** Organized by the the Dr. Vithalrao Vik.he Patil College of Engineering, Ahilyanagar, Maharashtra. CV Raman Global University, Odisha. CV Raman Polytechnic Bhubaneswar. in Collaboration with ExcelR Edtech Pvt. Ltd.from 25-08-2025 to 31-08-2025.
- Paiticipated in Faculty Development Progratn on "**Data Analytics Using PowerBi**", Organized by the Atria Institute of Technology (AIT), Autonomous, Bangalore, Kamataka. and Annasaheb Dange College of Engineering and Technology, Ashta, Maharashtra. in Collaboration with ExcelR Edtech Pvt. Ltd. from 28-07-2025 to 01-08-2025.
- Patticipated in Faculty Development Prograi11on "**Blockchain** & **Web3"**, Organized by the Department of CSE & CSE (Data Science), Sri Siddhartha Institute of Technology, SSAHE, **Kamataka** lai**NarainCollegeof Techpo)ogy Rhona)Madhya Pradesh Pr Yitha)rao YikhePatj)** College of Engineering, Ahilyanagar, Maharashtra,Rajkumar Goel Institute of Technology, Ghaziabad (UP). Oriental Institute of Science & Technology, Bhopal, Madya Pradesh. Srinivas Institute of Technology, Mangalore, Kamataka in Collaboration with ExcelR Edtech Pvt. Ltd., from 10-03-2025 to 17-03-2025
- Participated in 5 Day Online Faculty Development Program on "**Emerging Trends** in **IT-2025**" Organized by Departments of **Emerging Technologies** in **Computer Science (ECS)** & **Computer Science** & **Engineering (CSE),** G.Pulla Reddy Engineering College(Autonomous), Kumool, from 03-02-2025 to 07-02-2025.
- Participated in National Level One Week Faculty Development Program on **"Emerging Innovations and Challenges in Modern Data Analytics Applications"** Organized by Department of Information Technology, Mahatma Gandhi Instih1te of Technology, Hyderabad, in association with CSI from 20-01-2025 to 25-01-2025.
- Paiticipated in 5 Days International Faculty Development Program on "**Cloud Architect** " **during 18-11-2024 to 22-12-2024** Organized by Vardhaman Engineering College, Shamshabad - Hyderabad, AVS Engineering College, Salem - Tamil Nadu, JSS Science and Technology

University, Mysore -Kamataka, JB Institute of Engineering & Technology, Ranga Reddy-Telangana, GMR Institute of Technology, Vizianagaram Andhra Pradesh, Santhiram Engineering College, Nandyal - Andhra in Collaboration with ExcelR Edtech Pvt. Ltd.

- Participated in 5 Days International Faculty Development Program on **"Digital Marketing " during 21-10-2024 to 25-10-2024** Organized by MLR Institute of Technology, Dundigal, Hyderabad, SKN Sinhgad College of Engineering -Maharashtra, Dhaanish Ahmed Institute of Technology, Coimbatore -Tamil Nadu, and Sri Vasavi Institute of Engineering and Technology-Andhra Pradesh in Collaboration with ExcelR Edtech Pvt. Ltd.
- Participated in 5 Days International Faculty Development Program on "**Gen-AI and Prompt Engineering Using Microsoft Co-Pilot" during 16-09-2024 to 20-09-2024** Organized by BNM Institute of Technology Bangalore (BNMIT) -Kamataka, D.Y. Patil Agriculture and Technical University Talsande - Maharashtra, and Marwadi University Rajkot - Gujarat in Collaboration with ExcelR Edtech Pvt. Ltd.
- Patticipated in 5 Day Online International Faculty Development Prograin on **"Digital Marketing"** during 27-05-2024 to 31-05-2024 Organized by organized by MIT Arts Commerce & Science College (Autonomous)- Maharashtra, Nishitha Degree College (Autonomous) - Nizamabad, Telangana, Seshadripuram College Tumakuru, Kamataka P.B. Siddhartha College of Arts and Science -Andhra Pradesh in Collaboration with ExcelR Edtech Pvt. Ltd
- Participated One Day National Level Faculty Development Programme on **"Research Paper Writing Using Tools",** Organized by Research and Development Cell, ACE Engineering College, Hyderabad held on May 10, 2024.
- Paiticipated in 10 Hours National Faculty Development Program on **"GenAI and Prompt Engineering using Microsoft Copilot"** during 15-04-2024 to 19-04-2024 Organized by PB Siddhartha College of Arts & Science, Department of CSE(DS) - Saraswati College of Engineering & CMR College of Engineering & Technology in Collaboration with ExcelR Edtech Pvt. Ltd.
- Participated in One Week Online National Faculty Development Program on **"Data Visualization Using Tableau"** conducted on 01-04-2024 to 05-04-2024 Organized by Department of Computer Science and Engineering, Mohan Babu University, Tirupati, Andhra Pradesh & ExcelR Edtech Pvt. Ltd.
- Participated in One-week National Level Online Faculty Development Programme on **"Aiming Towards 3D's in Electrical Engineering"** from 11-03-2024 to 15-03-2024 Organized by the Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology, Gandipet, Hyderabad.
- Paiticipated in 10 Hours National Faculty Development Program on "**Data Analytics using Power BI and Tableau**" during 11-03-2024 to 15-03-2024, Organized by Faculty of IT and CS - Parul University - Gujarat, Atria Institute of Technology- Karnataka & Amity Pune - Maharashtra in Collaboration with ExcelR Edtech Pvt. Ltd.
- Participated in 10 Hours National Faculty Development Program on **"Deep Learning and Artificial Intelligence"** dming 26-02-2024 to 01-03-2024, Organized by Andhra Pradesh State Skill Development Corporation (APSSDC) in Collaboration with ExcelR Edtech Pvt. Ltd.
- Participated in One Day National Level Faculty Development Programme on **"Research Funding Opportunities",** Organized by Research and Development Cell, ACE Engineering College, Hyderabad held on 14.02.2024.
- Participated in 10 Hours National Faculty Development Program on **"Business Analytics"** during 05-02-2024 to 09-02-2024, Organized by AISSMS College of Engineering, SJC Institute of Technology and Matrusri Engineering College in Collaboration with ExcelR Edtech Pvt. Ltd.
- Participated in 10 Hours National Faculty Development Program on "**Blockchain Technology**" during 08-01-2024 to 12-01-2024, Organized by Ramrao Adik Institute of Technology - D. Y Patil Deemed to be University, Bishop Heber College and SR University in Collaboration with ExcelR Edtech Pvt. Ltd.

- Participated in 10 Hours National Faculty Development Program on **"ChatGPT and Prompt Engineering"** dming 18-12-2023 to 22-12-2023, Organized by Bharati Vidyapeeth College of Engineering - Navi Mumbai, NRI Institute of Technology - Vijayawada and Sreenidhi Institute of Science & Technology - Hyderabad in Collaboration with ExcelR Edtech Pvt. Ltd.
- Participated in 10 Hours National Faculty Development Program on **"NLP, Computer Vision and Artificial Intelligence",** during 04-12-2023 to 08-12-2023, Organized by Andhra Pradesh State Skill Development Corporation (APSSDC) in Collaboration with ExcelR Edtech Pvt. Ltd.
- Participated in 5 Days Online International Faculty Development Program on **"NLP and ChatGPT Applications" during 14-08-2023 to 19-08-2023,** Organized by SECAB Institute of Engineering & Technology in Collaboration with ExcelR Edtech Pvt Ltd.
- Participated in One Week National Level Faculty Development Program on **"Cloud Infrastructure (AWS)** "during 21-08-2023 to 25-08-2023, Organized by Annamacharya Institute of Teclmology & Sciences(Autonomous), Rajampet, in collaboration with Brainovision Solutions India Pvt Ltd and All India Council For Technical Education(AICTE).
- Participated in One-week National Level Online Faculty Development Programme on **"Recent Trends** in **Green Energy Initiatives and Soft Computing Techniques**" from 11-07-2023 to 15-07-2023 Organized by the Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology, Gandipet, Hyderabad.
- Participated in 30 Hours International Faculty Development Program on " **Deep Learning for NLP and Computer Vision"** during 10-07-2023 to 28-07-2023, Organized by Chaitanya Bharathi Institute of Technology (CBIT) in Collaboration with ExcelR.
- Participated in 5 Day Online International Faculty Development Program on **"Data Analyst"** during 19-06-2023 to 23-06-2023, Organized by Andhra Pradesh State Skill Development Corporation(APSSDC) in collaboration with ExcelR.
- Participated in 5 Day Online International Faculty Development Program on **"Data Science and ChatGPT**" during 15-05-2023 to 19-05-2023 Organized by KL Deemed to be University, in Collaboration with ExcelR.
- Paiticipated in 5 Day Online International Faculty Development Program on **"AWS(Amazon Web Services)"** during 27-02-2023 to 03-03-2023 Organized by AVS Engineering College in Collaboration with ExcelR.
- Paiticipated in One Week Online Faculty Development Program on "**Online Bootcamp - Basics of Android App Development**" with Kotlin during 11-06-2022 to 16-06- 2022 conducted by L4G & Google Developer Team.
- Participated in One Week Online Faculty Development Program on **"Data Analysis and Mining with Python"** during 08-11-2021 to 12-11-2021 Organized by Department of Computer Science and Engineering, CMR Engineering College, Hyderabad.
- Participated in One Week Online Faculty Development Program **on "Cybe1· Security** in **Practical Aspects"** during O1-09-2020 to 05-09-2020 Organized by Department of Computer Science & Engineering, Vasavi College of Engineering, Hyderabad, in association with Indian Servers
- Paiticipated in One Week Online Faculty Development Program on **"Artificial Intelligence and Deep Learning"** during 23-07-2020 to 27-07-2020 Organized by Department of Computer Science & Engineering, G. Pulla Reddy Engineering College, Kurnool, Andhra Pradesh.
- Paiticipated in One Week Online Faculty Development Prograin on "**Python 3.4.3 and Python DJANGO"** during 08-06-2020 to 13-06-2020 Organized by Department of Computer Science and Engineering,CMR Engineering College, Hyderabad in association with Spoken Tutorial IIT-Bombay,India.
- Participated in One Week Online Faculty Development Program on **"Python 3.4.3"** during 08-06-2020 to 13-06-2020 Organized byCMR Engineering College, Hyderabad offered by the Spoken Tutorial Project, IIT Bombay, funded by the National Mission on Education through ICT, MHRD, Govt. of India.

- Paiticipated in One Week Online Faculty Development Prograin on "**Cyber Securiry**" during 19-06-2020 to 24-06-2020 Organized by Department of Computer Science & Engineering, Sreyas Institute of Engineering & Technology, Hyderabad in association with Supraja Technologies,Andhra Pradesh.
- Paiiicipated in One Week Online Faculty Development Program on "**Impact of Internet of Things on Society (IITS-2020)"** during 25-05-2020 to 29-05-2020 Organized by Department of Computer Science and Engineering, Annamacharya Institute of Technology and Sciences(Autonomous), New Boyanapalli, Rajampet, Kadapa District, Andhra Pradesh.