



RAMCO INSTITUTE OF TECHNOLOGY

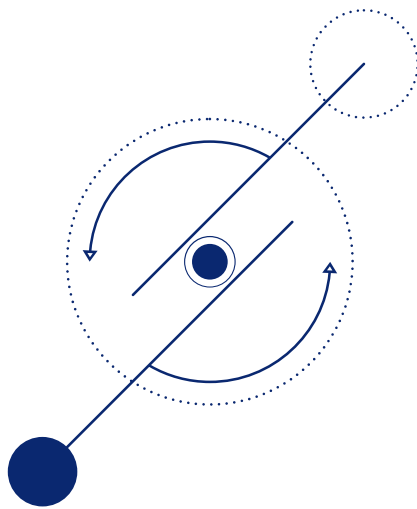
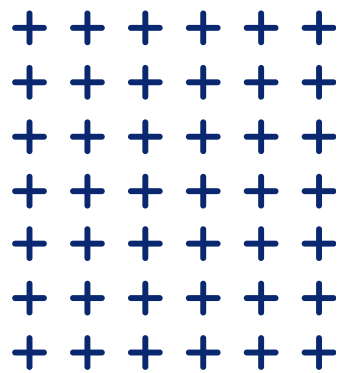
(An Autonomous Institution)

Approved by AICTE, New Delhi & Affiliated to Anna University

NAAC Accredited with 'A+' Grade & An ISO 9001: 2015 Certified Institution

Rajapalayam - 626 117, Tamil Nadu.

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE



MONTHLY NEWS LETTER

DEC' 25



EDITORIAL COMMITTEE MEMBERS



Dr. M. Kaliappan, Professor & Head



Dr. E. Mariappan, Associate Professor



K. Nithya Shree, IV – B



I. Delight Cherubino, III – A

VISION

- TO IMPART INTERNATIONAL QUALITY EDUCATION, PROMOTE COLLABORATIVE RESEARCH AND GRADUATE INDUSTRY-READY ENGINEERS IN THE DOMAIN OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE TO SERVE THE SOCIETY.

MISSION

- EXCEL IN TEACHING-LEARNING PROCESS AND COLLABORATIVE RESEARCH BY THE USE OF MODERN INFRASTRUCTURE AND INNOVATIVE COMPONENTS.
- ESTABLISH AN ARTIFICIAL INTELLIGENCE AND DATA SCIENCE BASED CENTRE OF EXCELLENCE TO PREPARE PROFESSIONAL TECHNOCRATS FOR SOLVING INTERDISCIPLINARY INDUSTRY PROBLEMS IN VARIOUS APPLICATIONS
- MOTIVATE STUDENTS TO EMERGE AS ENTREPRENEURS WITH LEADERSHIP QUALITIES IN A SOCIETAL CENTRIC PROGRAMME TO FULFIL INDUSTRY AND COMMUNITY NEEDS WITH ETHICAL STANDARDS.

PROGRAM EDUCATIONAL OBJECTIVES (PEO'S)

AFTER SUCCESSFUL COMPLETION OF THE DEGREE, THE STUDENTS WILL BE ABLE TO

- PEO 1. APPLY ARTIFICIAL INTELLIGENCE AND DATA SCIENCE TECHNIQUES WITH INDUSTRIAL STANDARDS AND PIONEERING RESEARCH TO SOLVE SOCIAL AND ENVIRONMENT-RELATED PROBLEMS FOR MAKING A SUSTAINABLE ECOSYSTEMS.
- PEO 2. EXCEL WITH PROFESSIONAL SKILLS, FUNDAMENTAL KNOWLEDGE, AND ADVANCED FUTURISTIC TECHNOLOGIES TO BECOME DATA SCIENTISTS, DATA ANALYST MANAGERS, DATA SCIENCE LEADERS AI RESEARCH SCIENTISTS, OR ENTREPRENEURS.

PROGRAM SPECIFIC OUTCOMES (PSO'S)

AFTER SUCCESSFUL COMPLETION OF THE DEGREE, THE STUDENTS WILL BE ABLE TO:

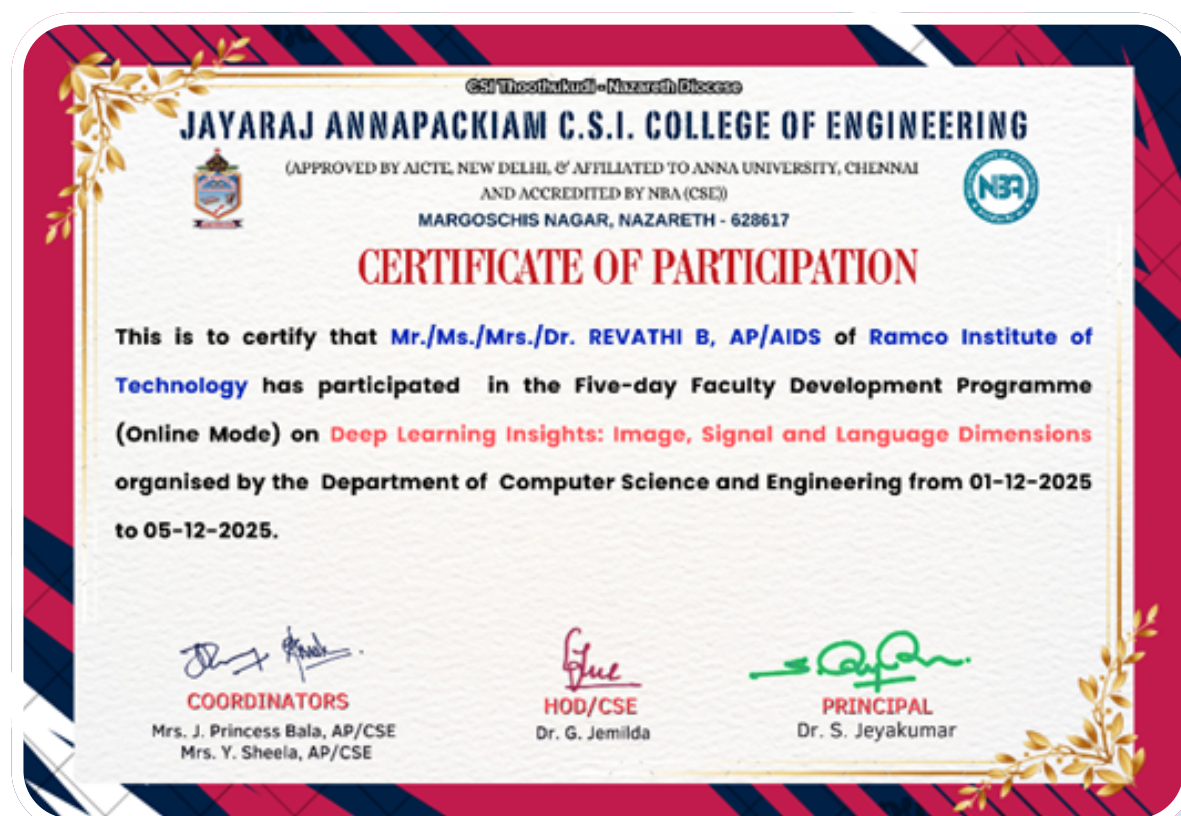
- PSO 1: TO APPLY ANALYTIC TECHNOLOGIES TO ARRIVE AT ACTIONABLE FORESIGHT, INSIGHT, HINDSIGHT FROM DATA FOR SOLVING BUSINESS AND ENGINEERING PROBLEMS
- PSO 2: TO CREATE, AND APPLY THE TECHNIQUES OF AI AND DATA SCIENCE TO FORECAST FUTURE EVENTS IN THE DOMAIN OF HEALTHCARE, EDUCATION, AND AGRICULTURE, MANUFACTURING, AUTOMATION, ROBOTICS, TRANSPORT, ETC
- PSO 3: TO ENRICH THE CRITICAL THINKING SKILLS IN EMERGING TECHNOLOGIES SUCH AS HYBRID MOBILE APPLICATION DEVELOPMENT, CLOUD TECHNOLOGY STACK, AND CYBER-PHYSICAL SYSTEMS WITH MATHEMATICAL AID TO FORESEE THE RESEARCH FINDINGS AND PROVIDE THE SOLUTIONS.

FACULTY PARTICIPATION

>> DR. S. V. ANANDHI, AP-II/AD, HAVE PARTICIPATED IN A FIVE-DAY FACULTY DEVELOPMENT PROGRAMME ON “DEEP LEARNING INSIGHTS: IMAGE, SIGNAL AND LANGUAGE DIMENSIONS”. THE PROGRAMME WAS CONDUCTED IN ONLINE MODE BY THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, JAYARAJ ANNAPACKIAM CSI COLLEGE OF ENGINEERING, FROM 01 DEC TO 05 DEC., 2025.



>> MRS. B. REVATHI, AP-II/AD, HAVE PARTICIPATED IN A FIVE-DAY FACULTY DEVELOPMENT PROGRAMME ON “DEEP LEARNING INSIGHTS: IMAGE, SIGNAL AND LANGUAGE DIMENSIONS”. THE PROGRAMME WAS CONDUCTED IN ONLINE MODE BY THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, JAYARAJ ANNAPACKIAM CSI COLLEGE OF ENGINEERING, FROM 01 DEC TO 05 DEC., 2025.



>> MRS. C. USHA RANI, AP-II/AD, HAVE PARTICIPATED IN A FIVE-DAY FACULTY DEVELOPMENT PROGRAMME ON “DEEP LEARNING INSIGHTS: IMAGE, SIGNAL AND LANGUAGE DIMENSIONS”. THE PROGRAMME WAS CONDUCTED IN ONLINE MODE BY THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, JAYARAJ ANNAPACKIAM CSI COLLEGE OF ENGINEERING, FROM 01 DEC TO 05 DEC., 2025.



>> MS. V. LOGAPRIYA AP/AD, HAS SUCCESSFULLY PARTICIPATED IN AND COMPLETED THE AICTE TRAINING AND LEARNING (ATAL) FACULTY DEVELOPMENT PROGRAMME ON “NEXT-GEN MANAGEMENT: APPLICATIONS OF ARTIFICIAL INTELLIGENCE AND DATA ANALYTICS IN BUSINESS STRATEGY.” THE FDP WAS CONDUCTED BY THE OXFORD COLLEGE OF ENGINEERING FROM 1ST TO 6TH DECEMBER 2025.



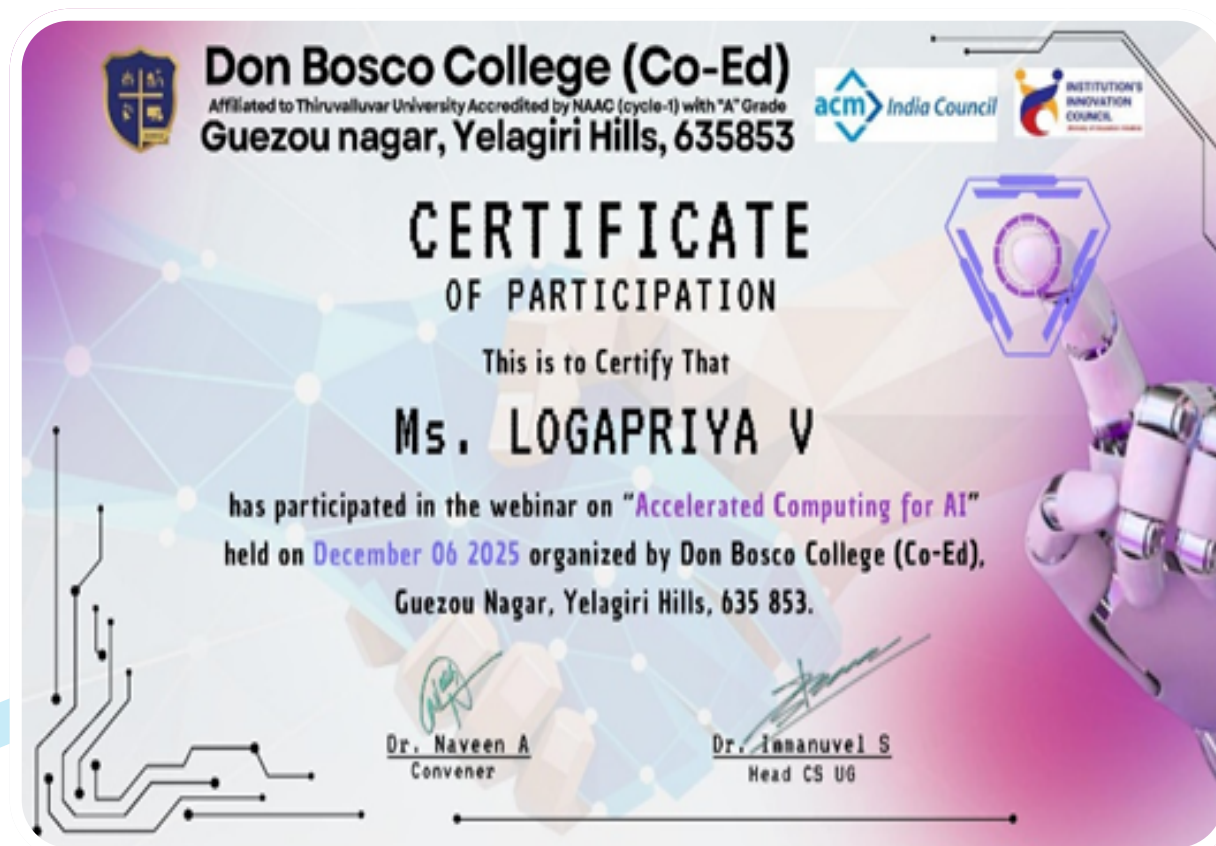
>> MR. P. VETRIVEL AP/AD, PRESENTED A RESEARCH PAPER TITLED "FAULT CLASSIFICATION AND LOCATION IN TRANSMISSION LINES USING ATTENTION DRIVEN DUAL-STAGE DEEP ARCHITECTURE NETWORK (ADDA-NET)" AT THE 2025 INTERNATIONAL CONFERENCE ON SIGNAL PROCESSING, COMPUTATION, ELECTRONICS, POWER AND TELECOMMUNICATION (ICONCEPT 2025). THE CONFERENCE WAS HELD ON 6TH AND 7TH DECEMBER 2025 AT NIT PUDUCHERRY, KARAİKAL.



>> MS. V. LOGAPRIYA, AP/AD, HAS SUCCESSFULLY PARTICIPATED IN AND COMPLETED THE AICTE TRAINING AND LEARNING (ATAL) FACULTY DEVELOPMENT PROGRAMME ON "SECURING THE FUTURE: CYBER-PHYSICAL SYSTEMS AND CYBERSECURITY IN THE DIGITAL AGE." THE FDP WAS CONDUCTED BY THE ST.CLARET COLLEGE FROM 8TH TO 13TH DECEMBER 2025.



>> MS. V. LOGAPRIYA AP/AD, HAS SUCCESSFULLY PARTICIPATED IN THE WEBINAR ON "ACCELERATED COMPUTING FOR AI" THE WEBINAR WAS CONDUCTED BY THE DON BOSCO COLLEGE (CO-ED) ON 06 DECEMBER 2025.



>> DR.S.V.ANANDHI, ASP-II/AD, HAVE ATTENDED THE R&D CONCLAVE 2025 HELD ON DECEMBER 23RD, ORGANIZED BY THE RIT RESEARCH COUNCIL AT RAMCO INSTITUTE OF TECHNOLOGY, RAJAPALAYAM.



>> DR. S. SELVA BIRUNDA, ASP-I/AD, HAVE ATTENDED THE R&D CONCLAVE 2025 HELD ON DECEMBER 23RD, ORGANIZED BY THE RIT RESEARCH COUNCIL AT RAMCO INSTITUTE OF TECHNOLOGY, RAJAPALAYAM.



>> MRS. C. USHARANI, AP-II/AD, HAVE ATTENDED THE R&D CONCLAVE 2025 HELD ON DECEMBER 23RD, ORGANIZED BY THE RIT RESEARCH COUNCIL AT RAMCO INSTITUTE OF TECHNOLOGY, RAJAPALAYAM.



>> MRS. B. SANKARALAKSHMI, AP/AD, HAVE ATTENDED THE R&D CONCLAVE 2025 HELD ON DECEMBER 23RD, ORGANIZED BY THE RIT RESEARCH COUNCIL AT RAMCO INSTITUTE OF TECHNOLOGY, RAJAPALAYAM.



>> MS. V. LOGAPRIYA, AP/AD, HAVE ATTENDED THE R&D CONCLAVE 2025 HELD ON DECEMBER 23RD, ORGANIZED BY THE RIT RESEARCH COUNCIL AT RAMCO INSTITUTE OF TECHNOLOGY, RAJAPALAYAM.



>> MS. B. ANITHA, AP/AD, HAVE ATTENDED THE R&D CONCLAVE 2025 HELD ON DECEMBER 23RD, ORGANIZED BY THE RIT RESEARCH COUNCIL AT RAMCO INSTITUTE OF TECHNOLOGY, RAJAPALAYAM.



>> DR. S. SELVA BIRUNDA, ASP-I/AD, HAS ATTENDED A FIVE-DAY ONLINE FACULTY DEVELOPMENT PROGRAMME ON "ADVERSARIAL ATTACKS AND DEFENSES IN DEEP LEARNING MODELS" ORGANIZED BY THE DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING, O. P. JINDAL UNIVERSITY, RAIGARH, FROM 15-19 DECEMBER 2025.



>> MRS. B. SANKARALAKSHMI, AP/AD, HAS SUCCESSFULLY PARTICIPATED IN AND COMPLETED THE AICTE TRAINING AND LEARNING (ATAL) ACADEMY FACULTY DEVELOPMENT PROGRAM ON “THE TRIAD: QUANTUM, BLOCKCHAIN AND MACHINE LEARNING FOR TRUSTED AI” AT SASTRA DEEMED UNIVERSITY FROM 08.12.2025 TO 13.12.2025.



>> MRS. B. SANKARALAKSHMI, AP/AD, HAS SUCCESSFULLY PARTICIPATED IN THE FIVE-DAY VIRTUAL FACULTY DEVELOPMENT PROGRAMME (FDP) ON “NEXT GENERATION AI: EXPLORING THE POWER OF GENERATIVE MODELS AND TRANSFORMERS” ORGANIZED BY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, FROM 1ST TO 5TH DEC 2025.



>> MRS. S. PRADEEPA, AP/AD, HAS SUCCESSFULLY PARTICIPATED IN AND COMPLETED THE AICTE TRAINING AND LEARNING (ATAL) ACADEMY FACULTY DEVELOPMENT PROGRAM ON “NEXT-GEN INTELLIGENCE: HPC, APPLIED AI AND DATA SCIENCE” AT TOC H INSTITUTE OF SCIENCE & TECHNOLOGY FROM 08.12.2025 TO 13.12.2025.



>> MR. P. VETRIVEL, AP/AD, HAS SUCCESSFULLY PARTICIPATED IN AND COMPLETED THE AICTE TRAINING AND LEARNING (ATAL) ACADEMY FACULTY DEVELOPMENT PROGRAM ON “NEXT-GEN AI FOR FOG AND EDGE COMPUTING: BUILDING INTELLIGENT, DECENTRALIZED IOT NETWORKS” AT KONGU ENGINEERING COLLEGE FROM 15.12.2025 TO 20.12.2025.



>> MS. B. ANITHA, AP/AD, HAS SUCCESSFULLY COMPLETED THE FIVE-DAY ONLINE FACULTY DEVELOPMENT PROGRAMME ON “FOUNDATIONS AND FRONTIERS OF CYBERSECURITY: FROM AWARENESS TO ACTION” ORGANIZED BY THE DEPARTMENT OF CSE (EMERGING TECHNOLOGIES), SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, VADAPALANI CAMPUS, CHENNAI, FROM 08.12.2025 TO 12.12.2025.



>> DR. R. M. RAJESWARI, AP-III/AD, HAS SUCCESSFULLY PARTICIPATED IN AND COMPLETED THE AICTE TRAINING AND LEARNING (ATAL) ACADEMY FACULTY DEVELOPMENT PROGRAM ON “EMERGING RESEARCH TRENDS IN SUPERCOMPUTING, AI, AND DATA SCIENCE ” AT AMITY UNIVERSITY RAJASTHAN FROM 24.12.2025 TO 30.12.2025.



>> MS.DHANALAKSHMI K, AP/AD, HAS SUCCESSFULLY PARTICIPATED IN AND COMPLETED THE ONLINE FACULTY DEVELOPMENT PROGRAMME ON “AI TOOLS FOR EFFECTIVE TEACHING, LEARNING, AND ASSESSMENT” ORGANIZED BY THE DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE, VELAMMAL INSTITUTE OF TECHNOLOGY, FROM 06.10.2025 TO 10.10.2025.



>> MS. DHANALAKSHMI K, AP/AD, HAS SUCCESSFULLY PARTICIPATED AS AN ACTIVE PARTICIPANT IN THE ONLINE WORKSHOP ON “AI FOR EVERYONE: A BEGINNER’S GUIDE” ORGANIZED BY RECCSAR PVT. LTD., HELD ON 28.09.2025.



>> MS. DHANALAKSHMI K, AP/AD, HAS SUCCESSFULLY PARTICIPATED AS AN ACTIVE PARTICIPANT IN THE ONLINE WORKSHOP ON “INTERNET OF THINGS: YOUR WORLD, SMARTER” ORGANIZED BY RECCSAR PVT. LTD., HELD ON 14.09.2025.



>> MRS. B. REVATHI, AP-II/AD, HAVE ATTENDED THE R&D CONCLAVE 2025 HELD ON DECEMBER 23RD, ORGANIZED BY THE RIT RESEARCH COUNCIL AT RAMCO INSTITUTE OF TECHNOLOGY, RAJAPALAYAM.



>> MRS. B. REVATHI, AP-II/AD, HAS SUCCESSFULLY PARTICIPATED IN AND COMPLETED THE AICTE – VIBRANT ADVOCACY FOR ADVANCEMENT AND NURTURING OF INDIAN LANGUAGES (VANI) SPONSORED TWO DAYS NATIONAL LEVEL TECHNICAL CONFERENCE ON “ARTIFICIAL INTELLIGENCE AND DATA SCIENCE IN TAMIL”, ORGANIZED AT SRM MADURAI COLLEGE FOR ENGINEERING & TECHNOLOGY, FROM 18.12.2025 TO 19.12.2025.



FACULTY ONLINE COURSE

>> MRS. B. SANKARALAKSHMI, AP/AD, “CS207: FUNDAMENTALS OF MACHINE LEARNING”, SAYLOR.

PAPER PRESENTED

>> MS. DHANALAKSHMI K, AP/AD, HAS PRESENTED A PAPER ENTITLED "CARDIOVASCULAR HEALTH INSIGHTS: PREDICTING HEART DISEASE RISK WITH DEEP LEARNING" AT THE 3RD INTERNATIONAL CONFERENCE ON INTELLIGENT CYBER PHYSICAL SYSTEM AND INTERNET OF THINGS (ICOICI-2025) ORGANIZED BY THE DEPARTMENT OF EEE, JCT COLLEGE OF ENGINEERING AND TECHNOLOGY, HELD FROM 17TH TO 19TH SEPTEMBER 2025 IN COIMBATORE, TAMIL NADU, INDIA.

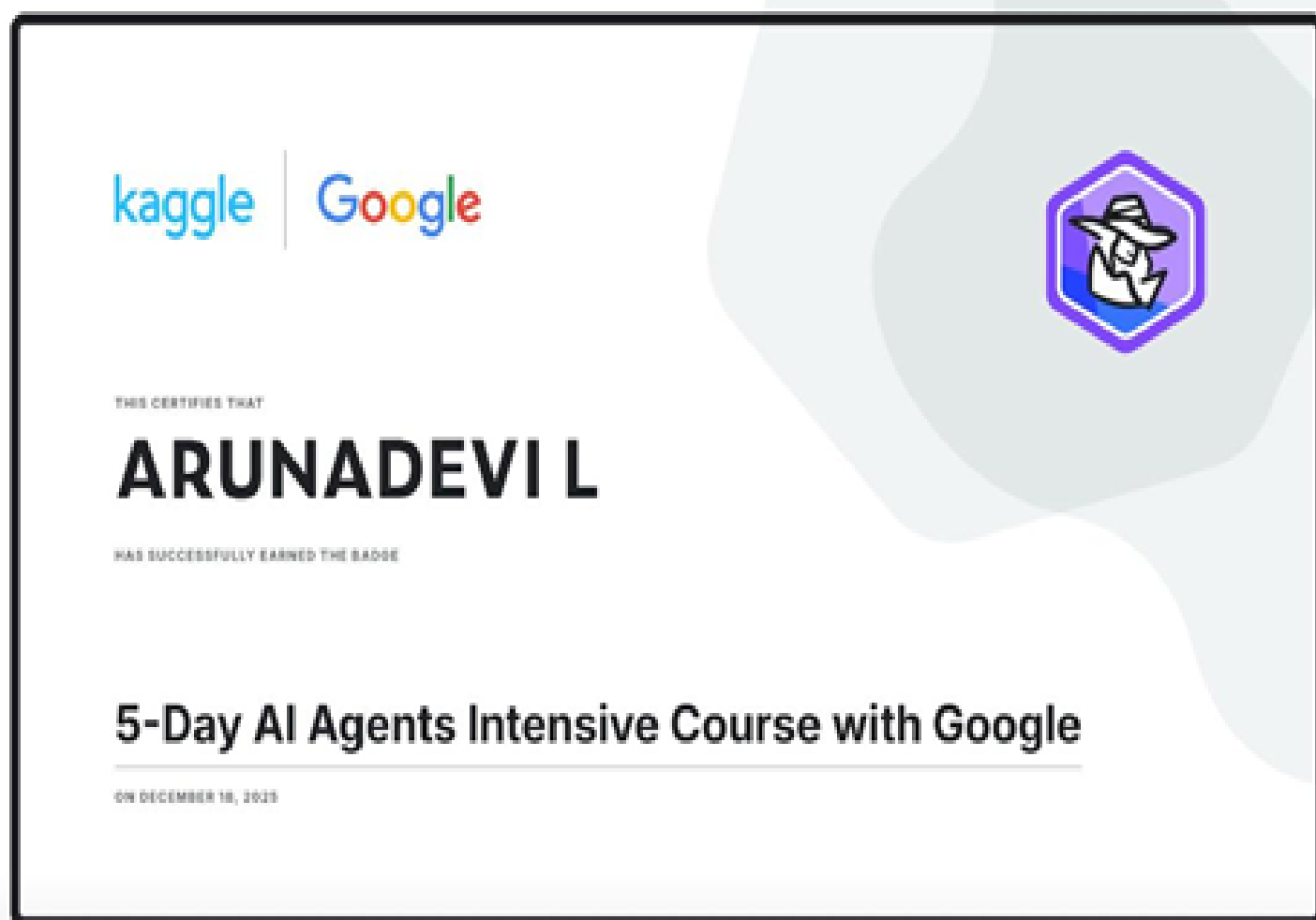


PAPERS REVIEWED

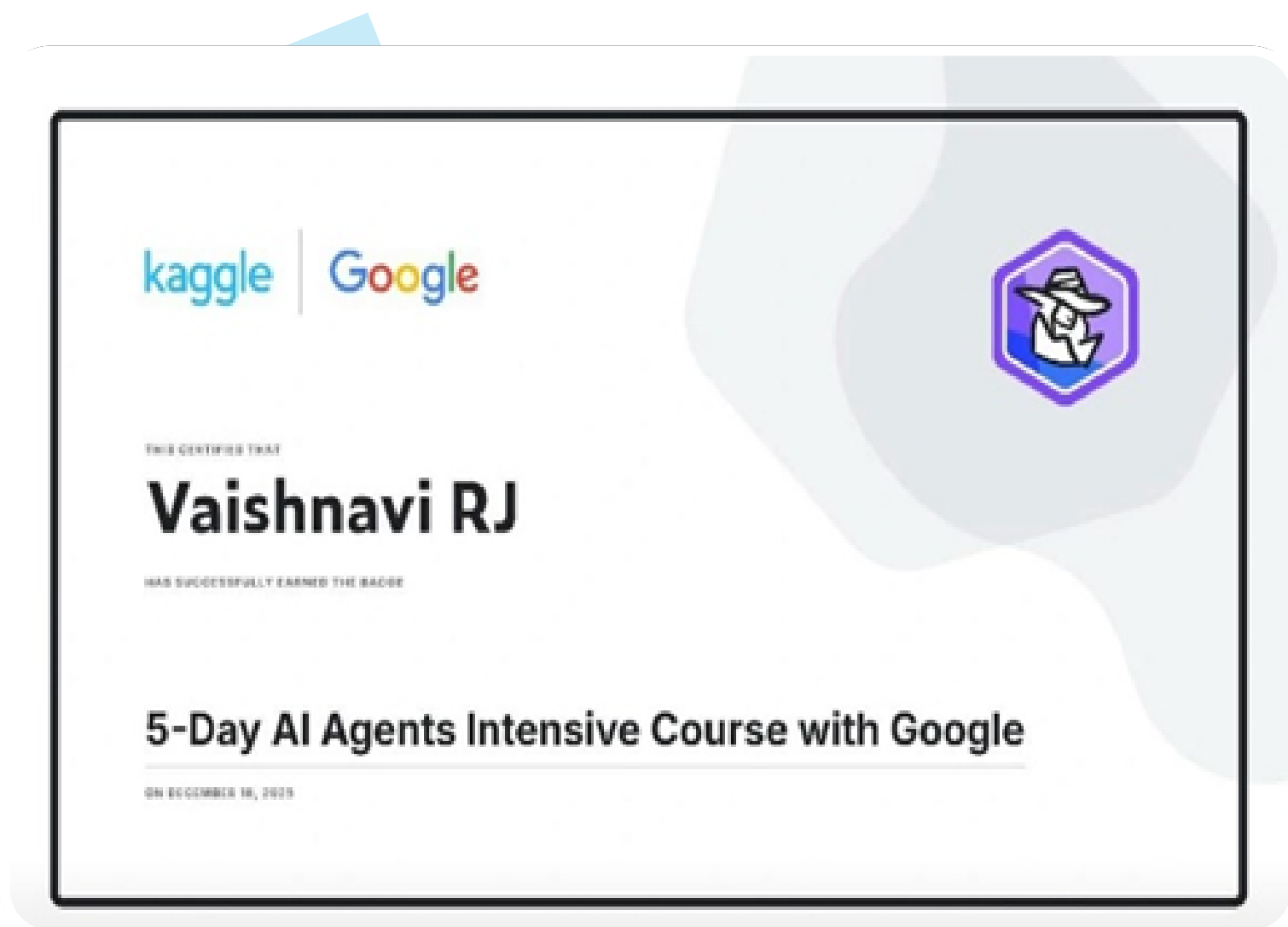
Sl. No	Name	Publications	Conference / Journal / Book	Reviewer Date
1	Dr. M. Kaliappan, Prof. & Head/AI & DS	An Improve Algorithm Based on Game Theory to Detect Overlapping Community	Journal	18.12.2025
2	Dr. R. M. Rajeshwari, AP-III/ AI & DS	Springer Nature	Journal (SN Computer Science)	2025

STUDENTS ACHIEVEMENTS

>> ARUNADEVI L, III-AI&DS-A, HAS SUCCESSFULLY EARNED THE BADGE FOR COMPLETING THE 5-DAY AI AGENTS INTENSIVE COURSE WITH GOOGLE, CONDUCTED IN COLLABORATION WITH KAGGLE AND GOOGLE. THE INTENSIVE PROGRAM PROVIDED HANDS-ON EXPOSURE TO AI AGENTS, INTELLIGENT SYSTEMS, AND PRACTICAL AI WORKFLOWS, STRENGTHENING THE PARTICIPANT'S UNDERSTANDING OF MODERN ARTIFICIAL INTELLIGENCE CONCEPTS AND REAL-WORLD APPLICATIONS.



>> VAISHNAVI RJ, II-AI&DS-B, HAS SUCCESSFULLY EARNED THE BADGE FOR COMPLETING THE 5-DAYS "AI AGENTS INTENSIVE COURSE WITH GOOGLE", CONDUCTED IN COLLABORATION WITH KAGGLE AND GOOGLE. THE INTENSIVE PROGRAM PROVIDED HANDS-ON EXPOSURE TO AI AGENTS, INTELLIGENT SYSTEMS, AND PRACTICAL AI WORKFLOWS, STRENGTHENING THE PARTICIPANT'S UNDERSTANDING OF MODERN ARTIFICIAL INTELLIGENCE CONCEPTS AND REAL-WORLD APPLICATIONS.



STUDENTS PARTICIPATIONS

>> VAISHNAVI R J, II-AI&DS- B, ACTIVELY PARTICIPATED IN THE NATIONAL FINANCIAL LITERACY QUIZ 2026(ONLINE ROUND). THE EVENT WAS ORGANIZED BY NATIONAL INSTITUTE OF SECURITIES MARKETS & SECURITIES AND EXCHANGE BOARD OF INDIA.



>> KALEESWARI G, KAVYA S & MAHIMA K, II-AI&DS-B, HAS SECURED THE FIFTH POSITION IN THE TECH PRAGNA – SEASON 3 | HACKATHON ON AI & FULL STACK DEVELOPMENT CONDUCTED BY LEARNLIKE IN ASSOCIATION WITH RAMCO INSTITUTE OF TECHNOLOGY.



>> HARI KRISHNAN A, IV-AI&DS-A, RECEIVED A CERTIFICATE OF ACKNOWLEDGEMENT FOR HIS ROLE AS THE AI/ML LEAD OF GOOGLE DEVELOPER GROUPS ON CAMPUS – RIT, ON 29TH OCTOBER 2025. HE WAS RECOGNIZED FOR HIS REMARKABLE EFFORTS, TECHNICAL ENTHUSIASM, AND VALUABLE CONTRIBUTIONS TO GDGOC INITIATIVES. HIS LEADERSHIP AND COLLABORATIVE SPIRIT GREATLY SUPPORTED THE DEVELOPMENT OF AN INCLUSIVE AND ACTIVE DEVELOPER COMMUNITY ON CAMPUS.



>> SUPRIYA DEVI, II-AI&DS-A , HAS PARTICIPATED IN TATA CRUCIBLE CAMPUS QUIZ 2025 ORGANIZED BY THE TATA GROUP.



Certificate of Participation

This is to certify that Supriya Devi from Ramco Institute of Technology has participated in TATA Crucible Campus Quiz 2025 organized by the Tata Group.



>> A. M. DHANYA, ARUNADEVI L, ISWARIYA LAKSHMI T & JAMUNA V, III-AI&DS-A, HAS SUCCESSFULLY COMPLETED THE GOOGLE CLOUD JAMS PROGRAM, ORGANIZED BY GOOGLE DEVELOPER GROUP (GDG). THROUGH THIS PROGRAM, THE PARTICIPANT GAINED HANDS-ON EXPERIENCE IN GOOGLE CLOUD PLATFORM (GCP) SERVICES, INCLUDING COMPUTE, STORAGE, NETWORKING, SECURITY, DEVOPS, AND CLOUD OPERATIONS. THE PROGRAM EMPHASIZED PRACTICAL LEARNING THROUGH REAL-WORLD, SCENARIO-BASED CHALLENGES, ENHANCING CLOUD COMPUTING SKILLS AND TECHNICAL PROFICIENCY.



>> T. PRINCY ROOBAVATHY, II-AI&DS-B, HAS PARTICIPATED IN TATA CRUCIBLE CAMPUS QUIZ 2025 ORGANIZED BY THE TATA GROUP.



>> JAMUNA V, III-AI&DS-A, ACTIVELY PARTICIPATED WITH EXCEPTIONAL DEDICATION IN “BRANDQUEXT #26 THE GREAT REBRANDS”, AN ONLINE EVENT HOSTED BY NAUKRI CAMPUS. THE PROGRAM ENHANCED THE PARTICIPANT’S UNDERSTANDING OF BRANDING STRATEGIES, BRAND EVOLUTION, AND MARKETING INSIGHTS, CONTRIBUTING TO OVERALL PROFESSIONAL AND INDUSTRY AWARENESS.



>> NERAI PANDI M, VAISHNAVI R J, II-AI&DS-B, HAVE PARTICIPATED WITH EXCEPTIONAL DEDICATION IN THE “TECHQUEZT #26 AI ALL AROUND US” EVENT HOSTED BY NAUKRI CAMPUS ON 21 DECEMBER 2025.

>> KRISHNA VENI M, III-AI&DS-B, HAVE PARTICIPATED WITH EXCEPTIONAL DEDICATION IN THE “TECHQUEZT #26 AI ALL AROUND US” EVENT HOSTED BY NAUKRI CAMPUS ON 21 DECEMBER 2025.

>> RITHISH KRISHNA A, II-AI&DS-B, HAS PARTICIPATED WITH EXCEPTIONAL DEDICATION IN THE INTERNSHIP COMMON APTITUDE TEST (ICAT) CONDUCTED BY ICAT (INTERNSHIP & CAREER APTITUDE TEST) ON 22 DECEMBER 2025.

STUDENTS INTERNSHIP

Sl. No	Name	Company Name	Domain	Date
1	Mathan Kumar M, IV-AI&DS-B	AAPGS	Chat Bot Development	01-03-2025 to 31-08-2025
2	Nithin R, IV-AI&DS-A	AAPGS	OCR Enrichment	01-03-2025 to 31-08-2025

STUDENTS ONLINE COURSE

Sl. No	Roll Number	Name of the Student	Name of the Course	Platform
1	953624243112	Supriya Devi A, II-AI&DS-A	Java Programming for Beginners	Simplilearn
2	953624243073	Princy Roopavathy T, II-AI&DS-B	Data Analytics Essentials	CISCO
3	953624243088	Ruba Dharshini M, II-AI&DS-B	Introduction to AI Concepts	Microsoft

FACULTY PUBLICATIONS

Sl. No	Name	Publications	Conference / Journal / Book	Date
1	Dr. M. Kaliappan, Prof. & Head/ AD Dr. E. Mariappan, Asso. Prof-III/AD Mr. M. Ramnath, AP-III/AD Mrs. R. Angel Hepzibah, AP-II/AD	Analyzing Public Sentiment on Demonetization Using SVM: A Machine Learning Approach	Journal	Apr 2025
2	Dr. R. M. Rajeshwari, AP-III/AD Dr. M. Kaliappan, Prof. & Head/AD	AI-Controlled Automatic Speed Detector in Vehicle Communication System	Book Chapter	2025
3	Mrs. B. Revathi, AP- II/AD Dr. M. Kaliappan, Prof. & Head/AD	Superpixel Based Classification for Graph Neural Network (GNN) in Leukemia Images	Journal	15.12.2025
4	Mrs. R. Angel Hepzibah, AP-II/AD	AI-Powered Resume Screening System for Smart Hiring: Leveraging NLP and Large Language Models for Efficient and Fair Recruitment	Journal	15.12.2025