



**PERIYAR
MANIAMMAI**
INSTITUTE OF SCIENCE & TECHNOLOGY
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PROGRAMME REPORT ON

Poster Presentation-Exploring the Results of the Foundational Research

Resource Person

**Dr. Balakumar Pitchai, Professor & Director of RT&P, Office of
Research and Development**

Organized by

CA- PMIST

Objectives of the Program:

1. Provide a formal academic platform for II MCA students to present their research findings and demonstrate their academic capabilities.
2. Enhance students' presentation and communication skills through direct exposure to expert evaluation and academic discourse.
3. Foster knowledge exchange and academic dialogue by creating an interactive environment for research showcase.
4. Enable students to receive constructive feedback from experienced academicians to improve their research approach and understanding.
5. Encourage research-oriented learning and promote a culture of academic exploration and intellectual growth among students.



DEPARTMENT OF COMPUTER APPLICATIONS in-association with IIC & CSI

Organizes

Exploring the Results of the Foundational Research



Date & Time:

Friday, 15th November- 2024

from 09:00 am to 12:30 pm



Venue:

Multipurpose Indoor Stadium



www.pmu.edu



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[Signature]
Coordinator

[Signature]
Co-ordinator CSI Local Chapter
(Dr. RUBY)

[Signature]
HOD|CA

Dr. D. RUBY M.C.A., M.Phil., Ph.D
Associate Professor
Department of Computer Science and Applications
Periyar Maniammai Institute of Science and Technology
Vallam, Thanjavur - 613 403.



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Speaker:

Dr. BALAKUMAR PITCHAI
Professor & Director, RT&P



The Office of Research and Development
Periyar Maniammai Institute of Science & Technology

*"The important thing is not to stop questioning.
Curiosity has its own reason for existence."
- Albert Einstein*



Venue: Multipurpose Indoor Stadium
Periyar Maniammai Institute of Science & Technology
Participants: II MCA A, B & C




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(Dr. RUBY)


HOD|CA

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Associate Professor
Department of Computer Science and Applications
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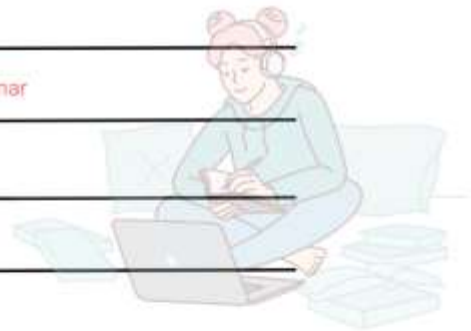


DEPARTMENT OF COMPUTER APPLICATIONS
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PROGRAMME SCHEDULE

09.30 AM	Welcome address By Dr D Ruby HOD CA
09.40 AM	Key Note Address Professor Dr P. Balakumar
10.00 AM	Review of Presentation
11.50 AM	Feedback of presentation
12.10 PM	Vote of Thanks by Mr P Karthik AP CA



Date: Friday, 15 November 2024
Time: 09:00 AM – 12:30 PM

Venue: Multipurpose Indoor Stadium
Periyar Maniammai Institute of Science & Technology
Participants: II MCA A, B & C



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Prarth
 Coordinator

J Ruby
 Co-ordinator CSI Local Chapter
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Dr. D. RUBY M.C.A., M.Phil., Ph.D
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 Vallam, Thanjavur - 613 403.

Rescores person speech highlights

Chief Guest: Dr. Balakumar Pitchai, Professor & Director of RT&P, Office of Research and Development

Assessed student research presentations

Offered valuable insights and constructive guidance

Encouraged academic excellence and research skills

Motivating students to engage in meaningful research and academic exploration

Significance: Added substantial academic value by sharing professional expertise and motivating students to enhance their research capabilities

Provided leadership and inspiration for students' research endeavors

Impact: Provided students with critical external perspective and professional evaluation of their research efforts

Established a supportive and encouraging environment for academic growth and knowledge sharing

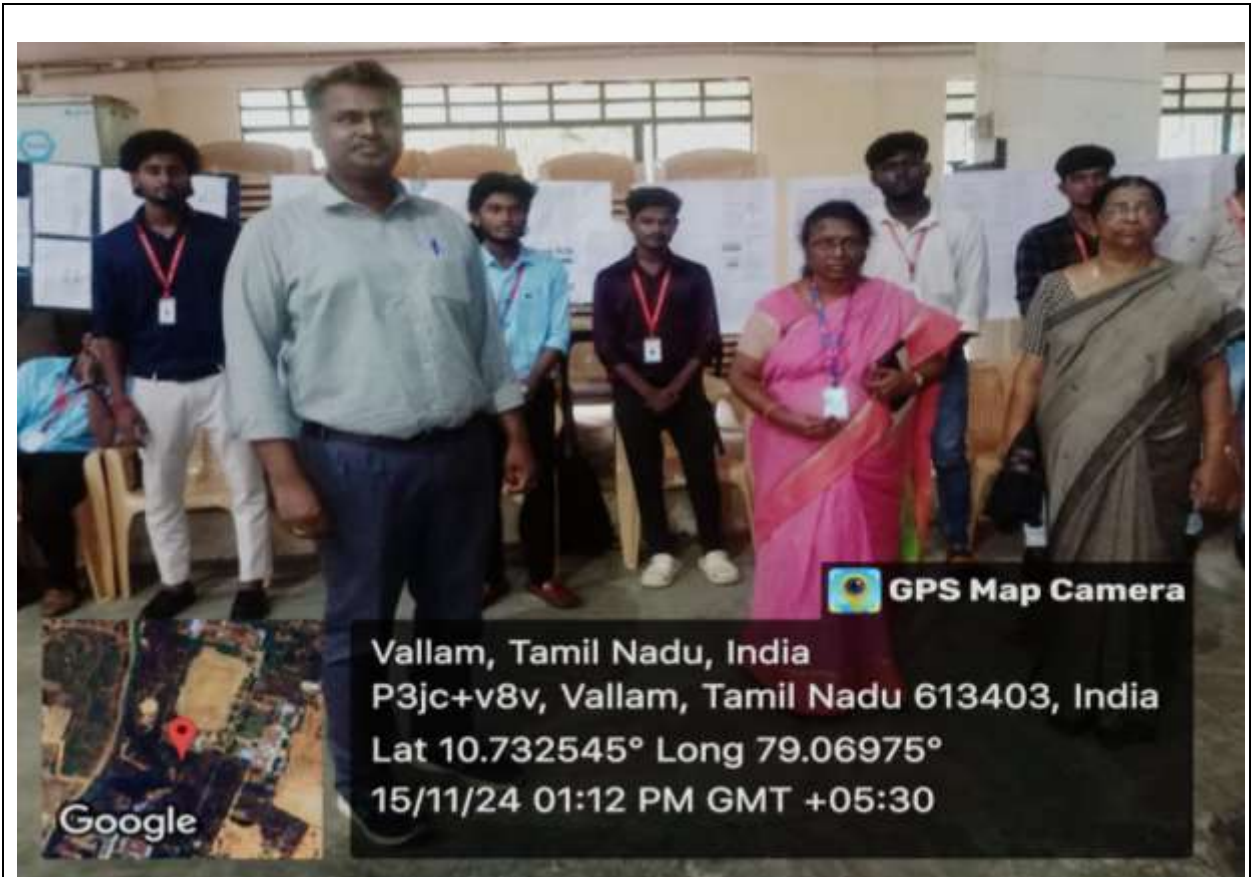


Photo-1: Review of the student poster presentation by Dr. Balakumar Pitchai Professor & Director of RT&P, Dr.J. Jeyachidra Dean (Learning and Development) , Dr.R. Malliga, Additional Registrar & II MCA Students



Photo-2: Dr. Balakumar Pitchai Professor & Director of RT&P, Review the Poster of Mr. BR Arun II MCA A Student



Photo-3: Dr PK Srividhya, Registrar, PMIST and Dr. D Ruby, HOD | CA reviewing the presentation of II MCA C Students Mr Veeraj explain his research work



Photo-4: Dr PK Srividhya, Registrar, PMIST and Dr. D Ruby, HOD | CA reviewing the presentation of II MCA B Students Ms Keerthana explain her poster

PK Srividhya
Coordinator

D Ruby
Co-ordinator CSI Local Chapter
(D. RUBY)

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Certificate



P. Karthik
Coordinator

Dr. D. Ruby
Co-ordinator CSI Local Chapter
(Dr. Ruby)

Dr. D. Ruby
HOD/CA

Dr. D. RUBY M.C.A., M.Phil., Ph.D
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Name of the Event	Exploring the Results of the Foundational Research
Organized by:	Department of Computer Applications
Date:	15-11-2024
Venue:	Multipurpose Indoor Stadium, Periyar Maniammai Institute of Science & Technology
No. of Participants	179 -Presented 490 - Benefited

Description of the Event / Activities / Competitions:

The Department of Computer Applications organized in-association with IIC & CSI Organizes poster presentation program titled "Exploring the Results of the Foundational Research" featuring presentations by II MCA students. The event provided a platform for students to showcase their research work and findings.

Dr. D Ruby, Head of Department, Computer Applications & coordinator CSI Local Chapter, formally inaugurated the event and welcomed the gathering. Dr. Balakumar Pitchai, Professor & Director of RT&P, The Office of Research and Development, Periyar Maniammai Institute of Science & Technology, served as the evaluator for the student presentations. Following the evaluations, he addressed the students and provided valuable feedback on their research work.

II MCA A, B & C Section students presented their research work through poster presentations, demonstrating their understanding and findings in their respective research areas. The event was conducted at the Multipurpose Indoor Stadium, which provided an appropriate setting for the poster presentations and accommodated the gathering effectively.

This program served as a valuable opportunity for:

- Students to present their research findings in a formal academic setting
- Development of presentation and communication skills
- Receiving expert feedback from experienced academicians
- Fostering academic discussion and knowledge exchange

The poster presentation program successfully achieved its objective of providing a platform for II MCA students to showcase their research work. The expert evaluation and feedback from Dr. Balakumar Pitchai added significant value to the learning experience of the participating students.

Mr. P Karthik, Assistant Professor, Department of Computer Applications, delivered the vote of thanks, expressing gratitude to all participants and organizers who contributed to the success of the event.


Coordinator


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(D. RUBY)


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Exploring the Results of the Foundational Research @ 15.11.2024

II MCA - A

S.No	Reg No	Name	Title of the Project
1	123012453238	AAKASH P	Centralized wifi distribution network: improving connectivity from satellite to street
2	123011453239	ABINAYAA I	Cellular tower radiation spectrum avoidance suggestion
3	123012453240	AJITH A	blood cancer detection using blood images
4	123012453241	AJITH J	Computer Lab Temperature Control Using Ac Temperature And Human Temperature
5	123012453242	ARASU S	Forest Fire prediction using UV rays and sensors
6	123012453243	ARAVINDHAN K	comparison of 5g and 6g using wireless network
7	123012453244	ARIVUKKARASAN E	coverage analysis network devices
8	123011453245	AROCKIYA SHEELA A	reducing road condition using traffic flow prediction in machine learning
9	123012453246	ARUN B R	Brain stroke detector using machine learning algorithms
10	123012453247	BALAJI D J	Localization technique in mobile AD-hoc network
11	123011453248	DEEPADHARSHINI K	prediction of marine based categories using machine learning
12	123011453249	DEEPHIKA R	Fault detection and similar data in wireless sensor network
13	123012453250	DEVA S	Software for Searching and identifying Similar People on Computer Local Disk using Facial Recognition
14	123011453251	DHANALAKSHMI V	An underwater wiring sensor system for detecting water pollution and contamination
15	123011453252	DHATCHAYANI B	Machine learning based landslide prediction and early warning system
16	123012453253	DURAIYARASAN R	Development of AI-ML based using tomato image prediction good or bad
17	123012453254	ELANKUMARAN B	Smart captcha system using machine learning
18	123012453255	HARIHARASUDHAN U	Detecting Covid19 using x ray
19	123012453256	HARIHARAN R	virtual herbal garden
20	123011453258	HARINI S	vitamin deficiency detection using image processing and neural network
21	123011453259	HARSHINI J	liver diseases prediction
22	123012453261	INBATAMILAN R	comprehensive automated document verification system for official
23	123011453262	JEEVITHA D	comparative analysis of machine learning models in predicting health insurance fraud
24	123011453263	KALAIKAVI K	speech emotions recognition using machine learning
25	123012453264	KARTHIKEYAN P	student skillset dashboard: A platform for skill discovery and assesment
26	123012453265	KATHIRESAN S	outfit selection for color matching using mediapipe and cnn based system
27	123011453266	KEERTHIKA G	Cardio vascular stroke prediction system using machine learning
28	123012453267	LOKESHWARAN S	Air pollution prediction using machine learning
29	123011453268	MADHUMITHRA P	Night time women safety cab
30	123012453269	MANIKANDAN A	Fabric defect detection and recognition
31	123012453270	MATHIYAZHAGAN M	Electricity price forecasting
32	123012453271	MOHAMED FASITH R	Enhancing Air traffic delays using regression analysis
33	123012453272	MOHAMED RIYAZ M	protocol design with underwater sensor network
34	123012453273	MOHAMMED SUHAIB ABRAR M M	phishing website detection using xgboost and cnn

35	123012453274	MUKESHKUMAR S	Data aggregatin with underwater sensors network
36	123012453275	NANDHAKUMAR B	optimising high resolution image compression technique
37	123011453276	NITHYA S	underground water leakage prediction
38	123012453277	NOOR MOHAMED B	fertiltity trends in india: comparative analysis of socio economics and environmental influences
39	123011453278	PAVITHIRA N	Machine learning based classification of underwater rocks and mines using sonar data
40	123012453279	PRADEEP K	Alumni association paltform
41	123012453280	PRASANNA K	education and learning analytics using data analytics
42	123011453281	RAMYA R	predicting the future : Machine learning approaches to air quality forecasting
43	123011453282	SANGEETHA K	Securing data on cloud with fog layer using elliptic curve cryptography and an intursion alert system
44	123012453283	SANJAY S	Crime rate prediction using Random forest recursion
45	123012453284	SARVESHWARAN S	Comparitive analysis of urban heat island(UHI) intensity using remote sensing : A case study of thanjavur and thiruchirapalli
46	123011453285	SAUJANYA K	Healthcare claim fraud detection with data analytics
47	123012453286	SHYLUCK ARO J	Diabetes prediction method using machine learning
48	123012453287	SRIVEERAMANIKANDAN P	smart traffic management system AI driven traffic lights
49	123011453288	SRIVARSHINI C	Ayurvedic plants detection using machine learning and deep learning
50	123011453289	SRIVIDHYA P	A comparative study of machine learning models to forecast bitcoin price
51	123011453290	SWATHI THESILA S	Unpacking customer sentiments on electric vehicles:suggestive sale analysis
52	123011453291	SWATHI R G	Wheat crop disease detection using hybrid lion firefiles algorithm in ML
53	123011453292	SWETHA V	Water quality prediction
54	123011453293	TAMILVANI M	Fake profile detection on social media websites using machine learning
55	123011453294	VAHINI A	Secured vein authentication mechanism on ATM amount transactional system
56	123012453295	VASIFKHAN A	Comparitive analysis of diamond valuation using LSTM,ARIMA,AND hybrid ARIMA-LSTM model
57	123012453296	VIGNESH M	Chemical crop classification with crop range and highest usage classification
58	123012453297	YUVARAJ B	online chatbot ticket booking system
59	123011453418	ABINAYA V	personalized cooking assistant using machine learning
60	123012453421	RAGUL K	gaming behaviour analysis and prediction


Coordinator


Co-ordinator CSI Local Chapter
(D. RUBY)


HOD/CA

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Exploring the Results of the Foundational Research @ 15.11.2024

II MCA – B

S.No	Reg No	Name	Title of the Project
1	123011453298	AARTHI S	Blockchain based charity and donation platform
2	123012453300	AGNIESWAR S	House price prediction using regression algorithm
3	123012453301	AJAY K	Smart Block Chain Contract on Post Office Account
4	123011453302	ANUSHIYA P	Sentiment analysis of customer review product improvement
5	123012453303	ARAVIND J	Crop prediction from multimodel
6	123012453304	ARUN ROSHAN S	Cryptocurrency price prediction
7	123011453305	ATCHAYA G	Supply chain management in civil work using network security
8	123012453306	BALAJI G	Implementing a Cloud-Based Disaster Recovery Solution for Businesses
9	123011453307	BOWSIYA M	Developing a secure cloud storage solution with End to end encryption
10	123012453309	CHINTHANAI ARASU C	Precision object measurement with Machine learning in python
11	123011453310	DEVADHARSHINI L	blockchain based intellectual property protection
12	123011453311	DHANUSREE R	Blockchain for secure medical records management
13	123011453312	DHARSHINI S	A video summarizer that utilize shot detection and ranking
14	123012453313	GOVINDAVASAN R	Birth data cluster analysis
15	123012453314	GOWTHAM B	Fraud detectionsystem for online transaction
16	123012453315	HARIHARAN R	Road accident severity prediction using Machine Learning
17	123012453316	HARIHARAN R	government exam candidate authentication using AI
18	123011453317	HARINI M	Sentiment analysis of social media data for brand management
19	123012453318	HARISH BARATHI M	Intelligent text recognition with open CV
20	123011453319	HEMA S	Missing child analysis using public camera
21	123012453320	JAGANNATHAN R	Fake Food Product Detection Using Block Chain Technology
22	123012453321	JANARTHANAN A	News quest AI using LLM
23	123011453322	JAYASHREE N	Insecticide and Fertilizer Recommendation For Crop Using Machine Learning
24	123012453323	KAMALESH S	Predictive rainfall data using random forest approach to advance flood detection system
25	123011453324	KEERTHANA A S	Predicting the impact of Monkeypox Virus in Humans Using various Machine learning Algorithms
26	123011453325	KIRUBA SRI M	Scam detection prototype for payment gateway using KNN
27	123012453326	MADHAN P	Leveraging AI for Early Detection of Chronic Diseases: A Comprehensive Review and Future Directions
28	123012453327	MANIKANDAN A	Adaptive Learner Style Prediction in outline Account
29	123012453328	MANISH VIJAYKUMAR KIRDAT	Salary Prediction Using Machine Learning

30	123012453329	MARIA WILSON A	Earth quake prediction with area based classification with past analysis system
31	123012453330	MATHAN B	An AI model for identifying household garbage and recycle product
32	123012453331	MOHAMED ATHIL EIRBAN H	Skin cancer classification based on ML Techniques
33	123011453332	NISHANTHINI P	Smart contract based voting platform
34	123012453333	PRADEEP VIGNESH R	Predictive athlete injuries using historical data and preventive modelling
35	123012453334	PRAGATHEES B	Smart home automation with AI powered voice control
36	123012453335	RABI JACKSON J	Gathering sensitive information using Keylogger
37	123012453336	RAGAMYNDAN G	E-Ration Shop Web Application
38	123011453337	RAGAVI R	Health care data prediction using machine learning
39	123012453338	RAGHUL R	machine learning approaches for enforcing smoking regulation in public areas
40	123012453339	RONALD SARAN C	Music recommendation based on facial expression
41	123011453340	ROSAN SHABEEHA N	prediction of Diabetic Retinopathy based on Retinal images using Deep Learning Algorithm
42	123012453341	SABARIVASAN R	Continental dish with local equal ingredients using AI
43	123012453342	SANJAY R	SBM for mobile phone price classification
44	123011453343	SHAHIDHA SHIREEN S	Decision support system for crop management
45	123011453344	SHIRINAKTHARI R	Human stress detection using hybrid deep learning
46	123011453345	SHYAMALA S	Traffic prediction system for educational zone at Thanjavur
47	123012453346	SILAMBARASAN M	Consumer Electricity Consumption prediction
48	123012453347	SIVA B	Real Time Air Quality Monitoring
49	123012453348	SNAGAN SIDHYA S	Chatbot for personalized nutrition recommendation for athletes
50	123011453349	SNEKA S	Flight ticket price prediction
51	123012453350	SRIRAM S	Exploitation windows using payload
52	123011453351	SUBHIKSHA S V	Predicting Parkinson's disease: A Comprehensive Analysis of Risk Factors and Gender Affection
53	123011453352	SUSMITHA K A	Relativity of getting exposed to mobile device radiation and brain tumor occurrence using deep learning.
54	123011453353	SWETHA S	ATM machine locker safety system
55	123011453354	USHA BHAI A	Data mining-enabled cancer risk assessment a predicting modeling approach
56	123012453355	VIGNESH R	Visual Search Engine For E-Commerce with Deep Convolution
57	123011453356	VINOTHINI A	Social media trend analysis for market research
58	123012453357	YOGESWARAN S	Car restoration and performance prediction.
59	123012453419	RAGHUL R	Medical chatbot using AI


Coordinator


Co-ordinator CSI Local Chapter
(Dr. Ruby)


HOD/CA

Exploring the Results of the Foundational Research @ 15.11.2024**II MCA - C**

S.No	Reg No	Name	Title of the Project
1	123012453358	ABDUL AJEES L	Online fuel delivery
2	123012453359	ABIMANYU M	Machine learning based Real time detection of smokers in no smoking
3	123011453360	AKSHAYA K	Toll plaza balance alerts in voice system
4	123012453361	ARUNKUMAR M	Skin disease detection using machine learning
5	123011453362	ATCHAYA R	Toxic word detection in social media with automated elimination
6	123011453363	DEVADARSHINI N	Ai-crafted diet and fitness for specific diseases using machine learning
7	123012453364	DHARUN KUMAR J	Secure and immutable FIR system using python
8	123012453365	DIVAKAR G	Machine learning based irrigation schedule for cotton
9	123011453366	DIVYA C	kids safety tracking control
10	123012453367	EMANUVEL A	school dropout analysis using machine learning
11	123012453368	HARIHARAN S	sentimental analysis for finance by using natural language processing(NLP)
12	123011453369	HARINI S	Automated eye cancer identification using deep learning
13	123011453370	ISHWARYA B	Intelligent bus step monitoring system using single shot multi box detector algorithm
14	123011453371	JENANI T R	eye disease detection using explainable AI with attention mechanism
15	123012453372	KABILESHWARAN V	Enhancing Privacy and integrity in computing services provisioning using blockchain zk-snarks
16	123011453373	KANMANI G S	Stock market prediction web service using deep learning LSTM
17	123012453374	KARTHIK S	A real time student emotion detection and feedback system
18	123012453375	KARTHIKEYAN G	Fruit disease detection using image processing
19	123012453376	KIRUBANITHI B	landslide prediction for hill station using machine learning
20	123012453377	KISHORE V	Fake logo detection system
21	123012453378	KRISHNA KUMAR M	crime spot area alert with past data analytics
22	123011453380	MADHUMITHA K	Fish Freshners & spoilage detection using machine learning
23	123012453381	MANIBARATHI K	direct market access for farmers
24	123012453382	MANIMARAN S	Image enhancing system using AI and image processing
25	123012453383	MOHAMED IBRAHIM M	Emotion based alcoholic consumption person in public
26	123012453384	MOHAMED MUSTAFA J	diabetics prediction using machine learning algorithm
27	123012453385	MUTHU KRISHNAN R	Image Based Identification and Application Analysis of Medicinal Plants using CNN Algorithm
28	123012453386	NAVEEN KUMAR D	Exam hall ticket processing by face detection using python AI
29	123011453387	NISHA G	institutional performance analysis
30	123012453388	NITHISH S	Ai based time integrate scheduler
31	123011453389	NIVETHA M	Artificial intelligence based interview assessment in IT sectors

32	123012453390	NIYAZ AHMED S	musical steganography hiding message in pleasant sounding using LSB
33	123012453391	PANDITHAR SIDHARTH TIRUMANI	Sentiment Analysis on Product Reviews using Logistic Regression, SVM and LSTM Model
34	123012453392	PERVEASH MOHAMED N	student attendance registration based on face recognition using python AI
35	123011453393	PRAGHATHI S	Neuroimaging analysis using deep algorithm for multiple brain tumors detection in MRI scan
36	123012453394	RAJA RAJAN M	Robust and secure medical image watermarking for Edge-Enabled eHealthcare
37	123011453395	RAJABHARATHI E	Smart presentation control with sign language voice assistant using hand gestures and voice control
38	123012453396	RAJESH M	Signal analysis and preprocess management
39	123012453397	RAJESH S	object identification
40	123012453398	RAMKUMAR V	Animal detection and alert system for heavy vehicles
41	123012453399	RAMSWARUP P	Cost Effective ERP Solution for Invoicing and Inventory Management
42	123012453400	RANJITH K	Banana ripeness classification using transfer learning techniques
43	123012453401	RANJITH KUMAR K	Deep learning approach for product recommendation using ResNeet-50 CNN Model
44	123012453402	RITESH N	Sentimental analysis in face detection
45	123012453403	RIYAZ MOHAMED M	Player performance evaluation and prediction through machine learning
46	123011453404	RUBY SNEHA J	Medical analysis with prescription using AI
47	123012453405	SAKTHI VELESWARAN R	Pneumonia detection using deep learning and image processing
48	123012453406	SAMUVEL M	Roadmap for tourist places in tamil nadu
49	123012453407	SANTHOSH P	Innovative logistics network for reducing urban food waste and hunger related deaths
50	123012453408	SEMBIYAN S	Image to story generator using GenAI,LLM
51	123011453409	SREE ANJANA R	Calories estimation of food and beverages using deep learning
52	123011453410	SRIDEVI S	AI based TV viewing Safety distance Assurance for Kids and Adults
53	123012453411	SRINIVASAN T	Deep learning Based Cyclone Intensity prediction
54	123012453412	SURYA K	Gender and age prediction with machine learning
55	123011453413	UMAMAHESHWARI V	AI based Timetable scheduled through genetic algorithm
56	123011453414	VAITHEESWARI S	Coconut tree growth and disease prediction using deep learning
57	123012453415	VEERARAJ R	Human fall detection using machine Learning
58	123012453416	VIGNESH SV	Face detection with online voting system using Python
59	123011453417	VIJAYALAKSHMI V	Enhancing image classification accuracy with deep learning models
60	123012453420	KOSALA RAMAN B	machine learning in money laundering detection over blockchain technology


Coordinator


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(Dr. Ruby)


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Exploring the Results of the Foundational Research @ 15.11.2024

179 -Presented

S.No	Class	Male	Female	Total
01	II MCA A	34	26	60
02	II MCA B	35	24	59
03	II MCA C	42	18	60
				179

490 – Benefited

S.No	Class	Male	Female	Total
1	I MCA A	24	26	50
2	I MCA B	32	21	53
3	I MCA C	29	23	52
4	III BCA A	44	16	60
5	III BCA B	47	13	60
6	III BCA C	45	14	60
7	II M.Sc DS	7	12	19
8	I M.Sc DS	8	12	20
9	III B.Sc DS	44	15	59
10	II M.Sc CS	7	11	18
11	I M.Sc Cs	11	9	20
11	I B.Sc Cs Cy	17	2	19
		315	174	490


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Outcomes of the Program:

- 1. Academic Skill Development:** Enhanced research presentation capabilities. Improved communication and public speaking skills. Developed academic confidence among students
- 2. Research Knowledge Expansion:** Provided platform for sharing research findings. Exposed students to diverse research methodologies. Encouraged critical thinking and academic exploration.
- 3. Institutional Learning Objectives:** Demonstrated research capabilities of II MCA students. Promoted research-oriented learning culture. Strengthened department's academic reputation.
- 4. Networking and Interaction:** Created opportunities for peer-to-peer knowledge exchange. Facilitated interaction with senior academicians. Enabled constructive feedback mechanisms.
- 5. Professional Growth:** Prepared students for future academic and research challenges. Developed skills for professional research presentation. Inspired continued academic and research engagement