



MIT'S
MADANAPALLE

**MADANAPALLE INSTITUTE OF
TECHNOLOGY & SCIENCE**
(UGC-AUTONOMOUS INSTITUTION)

Newsletter



Department of Computer Application

July - September 2024

Volume 12 Issue 1

MESSAGE FROM THE CORRESPONDENT



**Dr. N. Vijaya Bhaskar Choudary,
Ph.D.,**

**Secretary & Correspondent of the
Academy**

I am delighted to share that the Department of Computer Applications (MCA) is coming up with the Newsletter to showcase important Departmental events, achievements, activities, research and patent publications, Industrial/academical Interactions, Workshops, etc. of the department. This Newsletter is published to highlight the diverse talent present within the department. This will enlighten the students about the various activities of the department as well as motivate them to participate in varied events to exhibit their talent and enhance their skills. I congratulate the editorial team for their sincere effort to make this newsletter an informative document on our Department of Computer Applications activities and varied talent. The editorial team has initiated which will continue to help and guide present and upcoming students of the Department. Personally, I feel that students of MITS are equipped to set high standards and create an environment so that they excel in their areas of interest and accordingly guide more and more students of our institution, for the future. We are committed in creating an ambiance for nurturing innovation, creativity, and excellence in our students. We aim to prepare youngsters to face the challenges of stiff competition by imparting high-quality technical education backed by appropriate training and wide exposure to state-of-art practices. Our educational programs stress all-around personality development and imbibing human values and professional ethics, which help our students become more humane and lead meaningful lives. Best Wishes for the success and bright future of this Newsletter.



MESSAGE FROM THE PRINCIPAL



Dr. C. Yuvaraj
Principal

I feel delighted about the newsletter of the Department of Computer Applications of MITS.

The essential purpose of a Department Newsletter/Magazine is to inform, engage, inspire and entertain a diverse readership – including Alumni, parents, students, faculty, staff and other friends of the department and college – by inspiring them by the timely and honest portrait of the department to its extended family. This newsletter/magazine has made an earnest attempt in this direction and brought out activities of the department. I am sure the department will scale even greater heights in the years to serve the society.

On this magnanimous occasion, I congratulate all the students and faculty members of department of Computer Applications for their great efforts and coordination in bringing out the newsletter a great success.



MESSAGE FROM THE HEAD OF THE DEPARTMENT



Dr. N. Naveen Kumar
Head of the Department

It gives me great pleasure to congratulate students, teachers and staff of the Department of Computer Applications for the newsletter. Newsletter is believed to be a focus of the privileged activities i.e. academics, students and faculty achievement as well as innovation occurring in the department. In this connection, this newsletter will motivate the teachers and students for sharing their creativity and new ideas with the world and will help in their overall development. I advise the students that as the demand of skill is increasing day by day, join hands to enhance your skills and portrair them in a technical forum. I wish best of luck for all the team members for publication of newsletter.



MESSAGE FROM THE EDITORIAL BOARD



Dr.Poonguzhali S,
Asst.Professor, Dept of Computer Applications, MITS

It gives immense pleasure to introduce this Newsletter of the Department of Computer Applications to the readers. We are grateful to our Principal and HOD for giving this opportunity to create newsletter. It has been a teamwork and learning experience to us. We would like to extend our gratitude to all staff who supported us during the making of this newsletter. We are thankful to all those who supported us directly and indirectly.

Student Editors



Gondinigari Lakshmi Prasad
Student



Bodolla Pallavi
Student



ARCHAKAM RAVITEJA
Student

ABOUT MITS



Madanapalle Institute of Technology & Science is established in 1998 in the picturesque and pleasant environs of Madanapalle and is ideally located on a sprawling 26.17 acre campus on Madanapalle - Anantapur Highway (NH-205) near Angallu, about 10km away from Madanapalle. MITS, originated under the auspices of Ratakonda Ranga Reddy Educational Academy under the proactive leadership of and Dr. N. VijayaBhaskar Choudary, Secretary & Correspondent and Sri. N. Krishna Kumar, Chairman of the Academy.

MITS is governed by a progressive management that never rests on laurels and has been striving conscientiously to develop it as one of the best centers of Academic Excellence in India. The Institution's profile is firmly based on strategies and action plans that match changing demands of the nation and the student's fraternity. MITS enjoys constant support and patronage of NRI's with distinguished academic traditions and vast experience in Engineering & Technology.

ABOUT DEPARTMENT



The Department has grown from strength to strength since its inception in 2004. It offers 3-year MCA and 2-year MCA (Direct 2nd year) programmes. These programmes are fully governed by AICTE, New Delhi and affiliated to JNTU Ananthapuramu. The Department is dedicated to the mission of inculcating value-based, socially committed professionalism to the cause of overall development of students and society. It promotes the prime objective of educating and preparing students as

dynamic, competent and knowledgeable professionals. Excellent academic results, high-end computer labs, well-defined and documented academic and administrative processes and student counselling sessions (personal and academic) are the core strength of the department.

The Department obtained UGC-Autonomous Status in the year 2014 and is running the programmes successfully by meeting all the requirements. The College Academic Council, Board of Studies of the department strive to provide quality education and most advanced curriculum to make the students industry-ready and excel in the contemporary business world.

The department is frequently organizing Faculty Development Programs, Conferences, Seminars, Symposium and workshops on various emerging areas and technologies. The guest lectures are arranged, eminent professors and industry resource persons are invited from reputed IT industries, top ranked Universities. All the qualified and competent students are placed in renowned organizations, both national and international. Despite maintaining global standards in teaching and learning, successful placement in different renowned organizations and consistent 100% admission in the department are the hallmarks of the department. The M.C.A. Programme under Department of Computer Applications was Accredited by the National Board of Accreditation (NBA) of All India Council for Technical Education (AICTE).

VISION OF THE DEPARTMENT

To be the source of producing competent computer application professionals in academic and research activities to serve the industry and society.

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M1 : To empower students with knowledge of computer applications through state-of-art infrastructure and curriculum.

M2 : To groom students to become competent professionals in emerging technologies with industry specific programs.

M3 : To inculcate ethical values, leadership and managerial skills in the students

PROGRAMME EDUCATIONAL OBJECTIVES (PEOS)

PEO1 Excel in the software industry with the application of comprehensive knowledge and skills.

PEO2 Contribute by building innovative and sustainable solutions to the problems in the IT industry.

PEO3 Achieve successful career by exhibiting social responsibility leading to lifelong learning.

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PO1. Computational Knowledge: Apply knowledge of computing fundamentals, computing specialisation, mathematics, and domain knowledge appropriate for the computing specialisation to the abstraction and conceptualisation of computing models from defined problems and requirements.

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PO3. Design/Development of solutions: Design and evaluate solutions for complex computing problems, and design and evaluate systems, components, or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

PO4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5. Modern tool usage: Create, select, adapt and apply appropriate techniques, resources, and modern computing tools to complex computing activities, with an understanding of the limitations.

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EVENTS ORGANISED BY THE DEPARTMENT



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A workshop titled “3-Day Cyber Security Hands-on Training with Next Generation Firewall” was Organized by Department of Computer Applications in Association with IEEE GRSS Student Branch from 25.07.2024 to 27.07.2024. 72 MCA students of about 72 participated in this workshop.

STAFF ACHIEVEMENTS

Dr. N. Naveen Kumar, Associate Professor of MCA, has presented a paper titled “An Efficient Approach on Image Encryption Steganography based on 2D SWT with Chaotic Techniques” in 4th International Conference on Soft Computing for Security Applications organised by Dhirajlal Gandhi College of Technology, Salem on 24-25 Sep 2024.



MEASI Institute of Information Technology
www.measit.edu.in

Department of MCA is organising
5-Day Virtual International Faculty Development Programme
on
Exploring New Frontiers in Teaching tools, AI and Data Analytics

<p>Day 1: 29th July, 2024 Time: 10.30 AM to 12 PM Dr. M. V. Ishwarya, Associate Professor and HOD, Artificial Intelligence and Data Science Department, Agni College of Technology, OMR, Chennai</p> <p>Enhancing Education with Artificial Intelligence</p>	<p>Day 2: 30th July, 2024 Time: 10.30 AM to 12 PM Dr. R. Devi, Associate Professor, Dept. of Information Technology, VISTAS, Palavaram, Chennai</p> <p>Teaching Tools and Techniques</p>
<p>Day 3: 31st July, 2024 Time: 10 AM to 11.30 AM Dr. Adeline Sneha, Senior Lecturer, Asia Pacific University of Technology and Innovation, Kuala Lumpur, Malaysia</p> <p>Digital Transformation and Artificial Intelligence</p>	<p>Day 4: 1st August, 2024 Time: 10.30 AM to 12 PM Ms. T. Alameha, Director of Engineering, IT Development, eShipz, Bangalore</p> <p>Emergence of AI in Logistics</p>

Day 5: 2nd August, 2024
Time: 10.30 AM to 12 PM
Dr. Poonguzhali S
Assistant Professor,
Department of Computer Applications, Madanapelle Institute of Technology and Science, Angallu, Madanapelle, Andhra Pradesh

Emerging Trends in Data Analytics

Scan QR to Register
[Registration link](#)

No Registration Fee

MEASI INSTITUTE OF INFORMATION TECHNOLOGY
"Association Gardens" (New College Campus), 87, Peters Road, Royapettah, Chennai - 600 014.
Ph : 044 - 2835 2374
e-mail : measit@gmail.com Web : measit.edu.in

Dr. Ahmed Mudassar Ali
B.E., M.E., Ph.D.,
DIRECTOR

Dated 05.08.2024

To

Dr. Poonguzhali. S
Assistant Professor,
Department of Computer Applications,
Madanapelle Institute of Technology and Science,
Andhra Pradesh.

Dear Sir/Madam,

Sub: Appreciation for sharing your knowledge & Experience in International Virtual FDP – Reg.

The faculty members and Management of MEASI Institute of Information Technology would like to thank you for being a resource person for the Five Days International FDP on “Exploring Frontiers in Teaching Tools, AI and Data Analytics” held on 02.08.2024. The session “Emerging Trends in Data Analytics” was splendid and we have received excellent feedback from the participants on your flawless delivery in the session.

Thanking You,

Yours faithfully,

DIRECTOR

MEASI INSTITUTE OF INFORMATION TECHNOLOGY
87, PETERS ROAD, ROYAPETTAH,
CHENNAI-600 014.

Approved by the All India Council for Technical Education, Govt. of India, New Delhi and affiliated to the University of Madras
SPONSORED BY THE MUSLIM EDUCATIONAL ASSOCIATION OF SOUTHERN INDIA



Dr. R. Viswanathan, Assistant Professor of MCA, has presented a paper titled “An Efficient Approach on Image Encryption Steganography based on 2D SWT with Chaotic Techniques” in 4th International Conference on Soft Computing for Security Applications organised by Dhirajlal Gandhi College of Technology, Salem on 24-25 Sep 2024.

Dr.Saravanan T, Assistant Professor of MCA, has attended an International Two Weeks International Professional Development Programme(Online) on “Demystifying Generative Artificial Intelligence Use Cases and Applications” conducted by SRM Institute of Science and Technology from 8th to 22nd August 2024.



Dr.Saravanan T, Assistant Professor of MCA, has successfully completed the “Junior Cybersecurity Analyst Career path” from Cisco Network Academy

Mr.Saravanan T, Assistant Professor of MCA, has attended a Faculty Development Programme on “AI in Education & Corporate Settings” organised by Edubot Software and Services, Andhra Pradesh Information Technology Academy on 29th July 2024.





Mr. Jude Moses Anto Devakanth, Assistant Professor of MCA, has attended in International One Week Faculty Development Programme(Online) on "Exploratory Data Analysis and Visualization" conducted by Electronics & ICT Academy, IIT Roorkee from 9th Sep 2024 to 14th Sep 2024.

Mr. Jude Moses Anto Devakanth, Assistant Professor of MCA, has presented a paper titled "Effective Manner of Healthcare Management System for Hepatitis Virus Using PCA-BFF Optimizatio Algorithm With Clinical Data" in the International Conference on Integration of Emerging Technologies for the Digital World 2024 organised by Department of CSE, R.M.D. Engineering College, Tamilnadu on 13-14 Sep 2024.



Mr. Jude Moses Anto Devakanth, Assistant Professor of MCA, has presented a paper titled "Pixel Similarity-based Stegnography in Bit Planes: An Optimization-Driven Approach" in 4th International Conference on Soft Computing for Security Applications organised by Dhirajlal Gandhi College of Technology, Salem on 24-25 Sep 2024.



Mr. P. Seshu Kumar, Assistant Professor of MCA, has presented a paper titled "An Efficient Approach on Image Encryption Stegnography based on 2D SWT with Chaotic Techniques" in 4th International Conference on Soft Computing for Security Applications organised by Dhirajlal Gandhi College of Technology, Salem on 24-25 Sep 2024.



EDITORIAL BOARD

Chief Editor : Dr. N. Naveen Kumar, HoD/MCA

Faculty Editor : Dr. Poonguzhali. S, Asst. Professor/MCA

Student Editor : Mr. Gondinigari Lakshmi Prasad, II MCA B
Ms. Bodolla Pallavi, II MCA B
Mr. Archakam Raviteja II MCA B





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An MoU Exchange Between Department of Computer Applications & Grats Technologies Private Limited, Bengaluruwas organized by Department of Computer Applications on 23rdNovember 2024.



A Workshop of Entrepreneurship Development Program “Pathways to Entrepreneurship: Building a Successful Career as an Entrepreneur” was organized by Department of Computer Applications in association with Entrepreneurship Development Cell on 23rd November 2024.



A One Day Celebration Activity on "National Education Day" was organized by Department of Computer Applications in association with IIC, MITS on 28th November 2024.



An MoU Exchange between Department of Computer Applications & Nafter Web Technologies, Vellore and Codeon Technologies, Tirupati was held on 12th December 2024.



A Guest Lecture on "UX/UI Design" was organised by Department of Computer Applications in association with ISTE on 12th December 2024



A Guest Lecture on "International Human Solidarity Day" was organised by Department of Computer Applications on 23rd December 2024.



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A Guest Lecture on "International Human Solidarity Day" was organised by Department of Computer Applications on 23rd December 2024.



An Expert Talk on "7 Habits of Highly Effective People" was organised by Department of Computer Applications in association with ISTE on 27th December 2024. The program empowered MCA students with practical strategies for enhancing their leadership, time management, and personal effectiveness for academic and professional success.





MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC - AUTONOMOUS INSTITUTION)

Madanapalle - 517325, Annamayya Dist., Andhra Pradesh, India



Department of Computer Applications

Organizes

Parent's Meeting



2024 Admitted

1st MCA

30th December 2024

Time: 10.30 AM to 1.30 PM

Venue: Auditorium

Chief Patron

Dr. N. Vijaya Bhaskar Choudary
Secretary & Correspondent

Patron

Mrs. Keerthi Reddella
Executive Director

Program Chair

Dr. C. Yasaraj
Principal

Convener

Dr. H. Ramesh Kumar
Assoc. Prof. & HOD, MCA

Coordinator

Mr. Saravanan Thirumavukkarasu
Asst. Prof./MCA

A "Parent's Meeting" for First Year MCA student's (2024 Admitted) was organised by Department of Computer Applications on 30th December 2024. The outcome of the meeting is fostering a positive connection between parents and the department.



STAFF ACHIEVEMENTS

Dr.Sivaraj C, Assistant Professor of MCA, has presented a paper titled "Prediction and Comparative Analysis of the Stress Level of Humans by Using the Machine Learning Algorithms" in the IEEE 4th International Conference on Technological Advancements in Computational Sciences (ICTACS) organised by Amity University, Uzbekistan on 13th -15th NOV 2024.

Dr.Poonguzhali S, Assistant Professor of MCA, has participated in one week FDP on "Industry Best Practices in Information Technology" organised by Amity Institute of Information Technology from 21st to 25th Oct 2024.



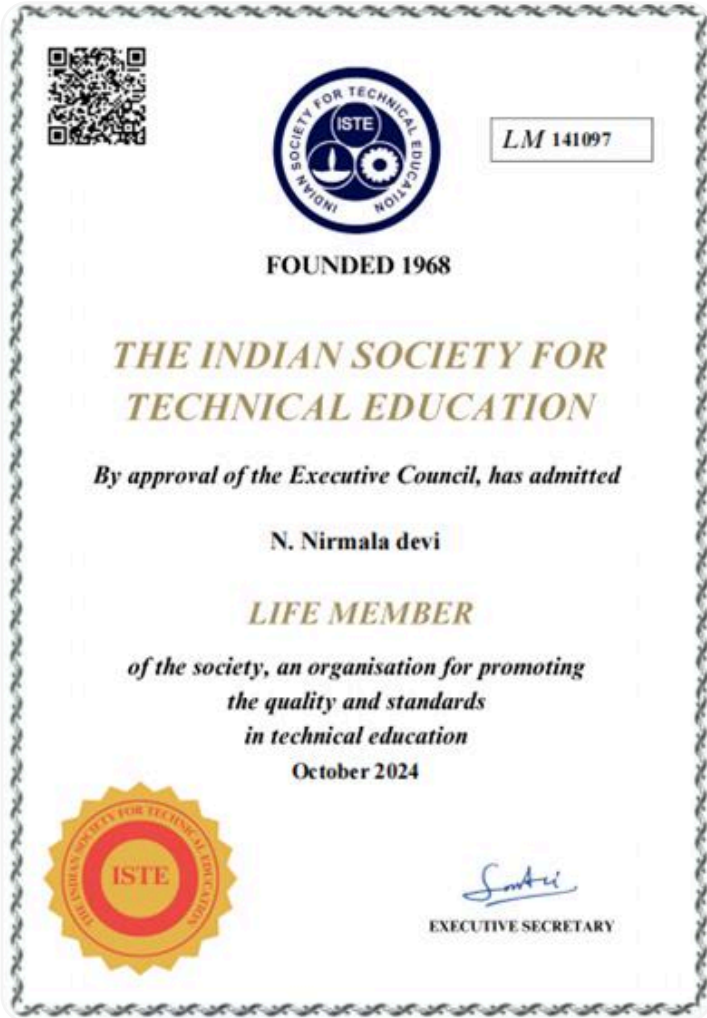


Dr. N. Nirmala Devi, Assistant Professor of MCA, has presented a paper titled "Integrating Spatial Data Fusion and Temporal Data in ANN for Enhanced Lithofacies Classification and Reservoir Characteristics" in Hinweis 3rd International Conference on Networking, Communications & Computing Technology, NCCT2024 on 26th Oct 2024.

Dr. N. Nirmala Devi, Assistant Professor of MCA, has successfully completed the NPTEL Course titled "Google Cloud Computing Foundations" from Aug-Oct 2024.

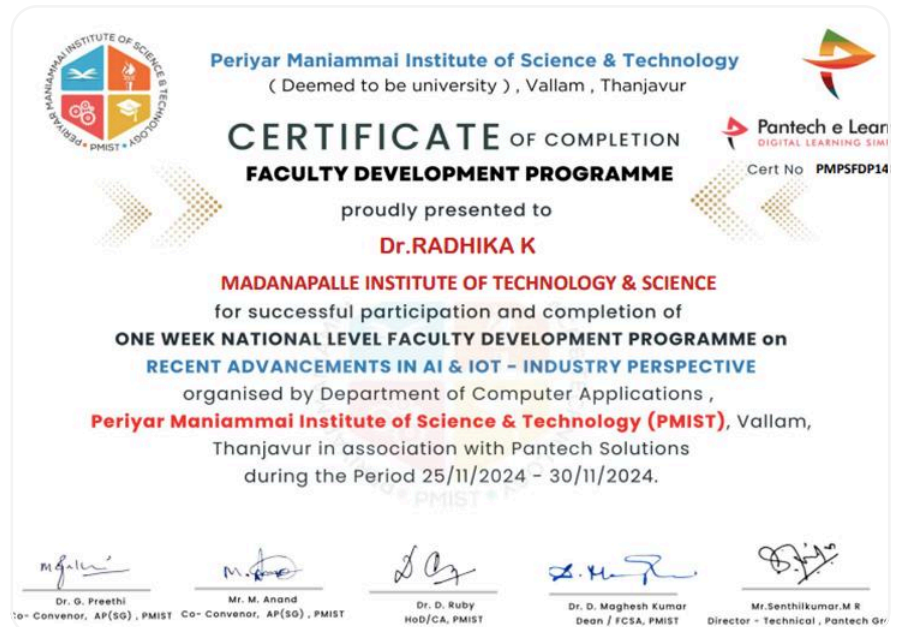


Dr. N. Nirmala Devi, Assistant Professor of MCA, has presented a paper titled "CFGANC: Cloud Fusion Using Generative Adversarial Network Classification of Optical and SAR Images" in Hinweis 6th International Conference on Communication and Intelligent Systems (ICCIS 2024) organised by MANIT, Bhopal on 8-9, Nov 2024



Dr. N. Nirmala Devi, Assistant Professor of MCA, has been registered as a lifetime member of Indian Society for Technical Education (ISTE) in October 2024

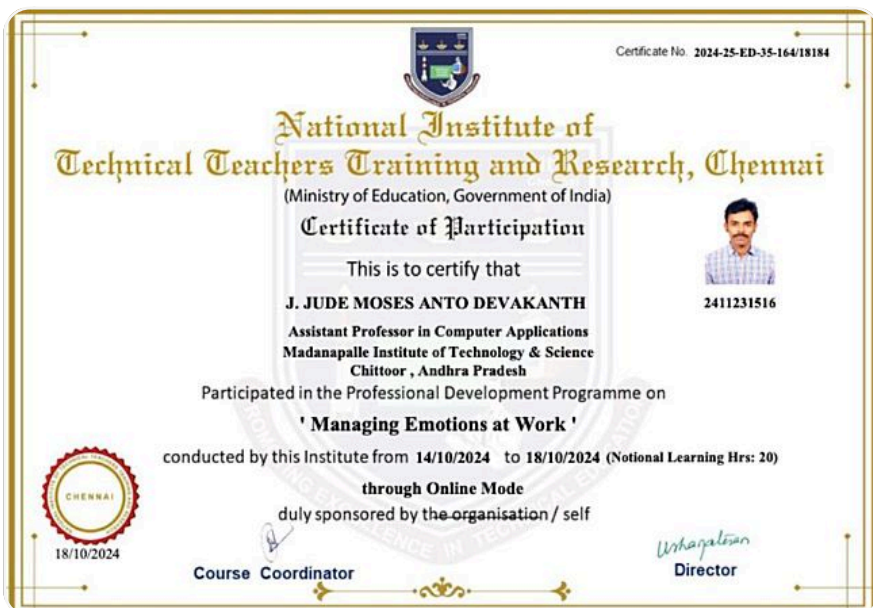
Dr. Radhika Krishnasamy, Assistant Professor of MCA, has attended an one week National Faculty Development Programme (Online) on "Recent Trends in AI & IoT Industry Perspective" organized by Periyar Maniammai Institute of Science & Technology, Thanjavur from 25th to 30th Nov 2024.





Dr. Jude Moses Anto Devakanth, Assistant Professor of MCA, has presented a paper titled “Wireless Cellular Communications For Efficient Resource Allocation” in the 5th International Conference on Data Engineering and Communication Technology (ICDECT) organized by Asia Pacific University of Technology and Innovation on 28-29 Sep 2024.

Dr. Jude Moses Anto Devakanth, Assistant Professor of MCA, has completed a certified Workshop on “ChatGPT & AI in Microsoft Office” conducted by Skill Nation on 16th Oct 2024

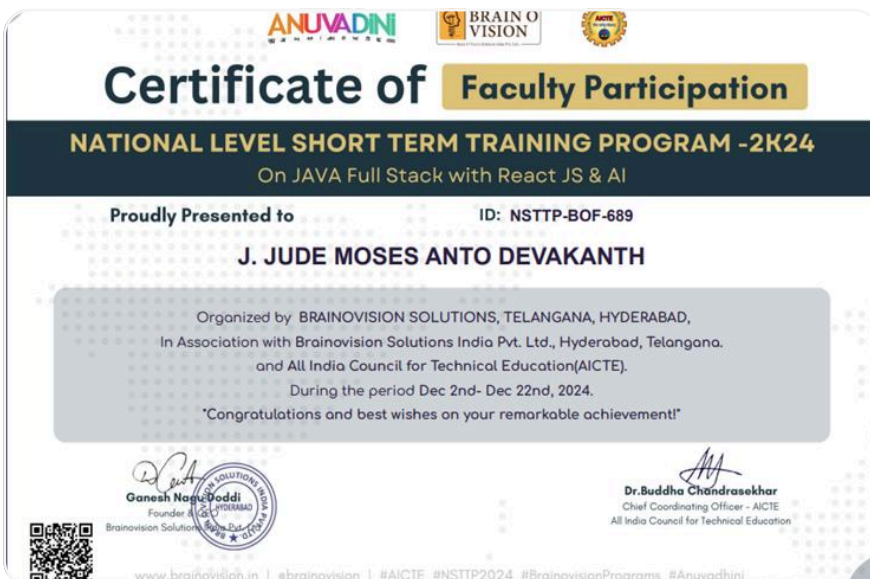


Dr. Jude Moses Anto Devakanth, Assistant Professor of MCA, has presented a paper titled “Wireless Cellular Communications For Efficient Resource Allocation” in the 2024- IEEE International Conference on Intelligent Systems and Advanced Applications and Communication Technology (ICISAA) organized by Dr. D. Y. Patil Institute of Technology, Pune on 25th -26th Oct 2024.



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Dr. Jude Moses Anto Devakanth, Assistant Professor of MCA, has attended an ATAL Faculty Development Programme(Online) on "Cyber Security in AI" at CMR University from 2nd to 7th Dec 2024.

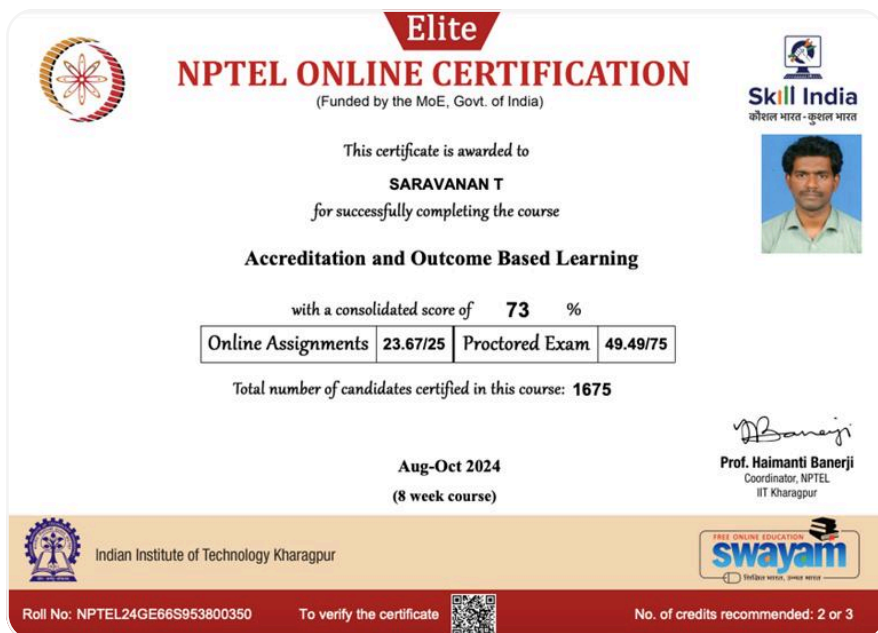


Dr. Jude Moses Anto Devakanth, Assistant Professor of MCA, has participated in a National Level Short Term Training Program on "Java Full Stack with React JS & AI" organized by BrainOVision Solutions in association with AICTE from 2nd to 22nd Dec 2024.



Mr. Mohd Sakib, Assistant Professor of MCA, has participated in a 3-day Workshop on "Fundamentals and Recent Trends in Intellectual Property Rights, Startup Development and Research Publication" organised by Madanapalle Institute of Technology & Science from 27th to 29th Nov 2024

Mr. Saravanan T, Assistant Professor of MCA, has successfully completed an NPTEL course on "Accreditation and Outcome Based Learning" from Aug-Oct 2024.



Mr. P. Seshu Kumar, Assistant Professor of MCA, has attended an ATAL Faculty Development Programme(Online) on "The Role of Leadership and Capacity Building for Academic Excellence in HEI" organised by Sreenivasa Institute of Technology and Management Studies from 23rd to 28th Sep 2024.



Mr. P. Seshu Kumar, Assistant Professor of MCA, has attended an ATAL Faculty Development Programme (Online) on “The Role of Leadership and Capacity Building for Academic Excellence in HEI” organized by Sreenivasa Institute of Technology and Management Studies from 23rd to 28th Sep 2024.

Mr. Saravanan T, Assistant Professor of MCA, has successfully completed an NPTEL course on “Accreditation and Outcome Based Learning” from Aug-Oct 2024.



STUDENT ACHIEVEMENTS



Miss Siddugala Anitha, II MCA has successfully completed ATAL Academy FDP on "The Role of Leadership and Capacity building for academic excellence in HEI's" organised Sreenivasa Institute of Tecchnology and Management Studies from 23rd to 28th Sep 2024.

Mr. Lepakshi Mohammad Ashwak, II MCA has successfully completed ATAL Academy FDP on "The Role of Leadership and Capacity building for academic excellence in HEI's" organised Sreenivasa Institute of Tecchnology and Management Studies from 23rd to 28th Sep 2024.



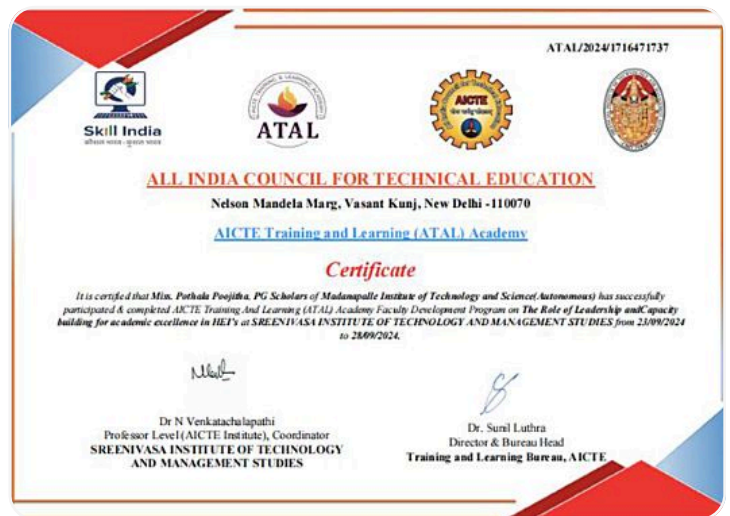
Mr. Chilakala Majeed, II MCA has successfully completed ATAL Academy FDP on "The Role of Leadership and Capacity building for academic excellence in HEI's" organised Sreenivasa Institute of Tecchnology and Management Studies from 23rd to 28th Sep 2024.





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