



STUDENT ASSOCIATION
MASTER OF COMPUTER APPLICATIONS

WINDOWS 2025-2026

2025-2026



NITTE
(Deemed to be University)

**NMAM INSTITUTE
OF TECHNOLOGY**



**Dr. Mamatha Balipa, Professor and Head,
Department of MCA NMAMIT Nitte**

As the great American educator and author, James A. Garfield, once said, "Next in importance to freedom and justice is popular education, without which neither freedom nor justice can be permanently maintained." With this sentiment in mind, I am delighted to announce the release of our department's annual magazine, which showcases the various activities we conducted for the betterment of our students. This magazine provides a comprehensive overview of the events and initiatives that we organised over the past year to promote popular education and to empower our students with the knowledge and skills they need to succeed. At our department, we believe that education should not be limited to the acquisition of information or the development of skills. We aim to provide our students with a holistic educational experience that fosters their intellectual, social, and emotional growth. To this end, we organise a range of activities that engage our students in experiential learning, critical thinking, and collaborative problem-solving. From field trips and research projects to internships and community service programs, our initiatives are designed to develop our students into active, engaged citizens who are committed to making a positive impact on society. I invite you to peruse our annual magazine and to learn more about the innovative initiatives and inspiring accomplishments of our students over the past year. We are proud of the progress our students have made and the positive impact that our department has had on their lives. As we continue to strive for excellence in education, we remain committed to promoting popular education and to empowering our students to achieve their full potential.

We are also proud to announce that the MCA program at NMAM Institute of Technology is now accredited by the National Board of Accreditation (NBA). It is a testament to the high standard of education that is provided to our students.

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Sno	EVENTS	Date	Page No
1	Shaping Your Tech Career: Opportunities with Louisa AI	01-08-2025	1-2
2	Workshop on Building Future India	06-08-2025	3-4
3	Orientation Program for First Year MCA 2025–27 Batch Students	18-08-2025	5-6
4	ISRO Space Technology and Application Programs	25-09-2025	7-8
5	Fresher's Day Celebration	26-09-2025	9–10
6	Three-Day Short-Term Training Program on Artificial Intelligence in Public Health	27-09-2025, 04-10-2025 & 27-10-2025	11–12
7	National Level Intercollegiate Technical Fest "SEMAPHORE-2K25"	09-10-2025 & 10-10-2025	13–14
8	Research Methodology and Publication Workshop	04-11-2025 to 05-11-2025	15–16
9	Farewell Celebration	14-11-2025	17–18
10	MCA Expro'25 – Alumni Talk Series	17-11-2025	19-20
11	MCA Expro'25 – MCA Project Exhibition	17-11-2025	21–22
12	Prize Distribution Ceremony – MCA ExPro'25	19-11-2025	23-24
13	Sharada Pooja Celebration	30-11-2025	25–26
14	Teck-Kno'26 – Technical Fest	20-02-2026	27-29
15	Soft Skills & Placement Training	23-03-2026 To 28-03-2026	30-1
16	FDP on Enterprise Application Development with Cloud-Native Platforms	25-03-2026 To 28-03-2026	32-33
17	One Day Hands-on Workshop on Data Analysis, Data Lakes and History of Data	30-03-2026	34-35

Technical Talk on "Shaping Your Tech Career: Opportunities with Louisa AI"

The Department of MCA, NMAM Institute of Technology, Nitte, in association with the Institution's Innovation Council (IIC), organized a Technical Talk on "Shaping Your Tech Career: Opportunities with Louisa AI" on 1st August 2025 at the MCA Seminar Hall, NMAMIT, Nitte (Deemed to be University). The session was delivered by Ms. Ananya Pai, Software Engineer, Louisa AI, with the objective of guiding students in career planning, interview preparation, and understanding industry expectations in the rapidly evolving technology and AI sectors.

The program commenced with a welcome address by Dr. Mamatha Balipa, Head of the Department of MCA, who emphasized the importance of strengthening technical knowledge, problem-solving skills, and communication abilities to become industry-ready professionals. The event was coordinated by Ms. Premitha Kamath, Mr. Arhath Kumar, and Dr. Praveena Kumari M. K., Assistant Professors, Department of MCA, who ensured the smooth conduct of the session and active participation from the students.

During the session, Ms. Ananya Pai introduced Louisa AI, an AI-powered CRM platform that supports sales and business development professionals with intelligent networking and customer relationship management features. She shared valuable insights into pre-interview preparation by highlighting the importance of creating a strong resume that effectively showcases projects, internships, and technical competencies. She encouraged students to strengthen their coding skills through platforms such as LeetCode, HackerRank, CodeChef, and GeeksforGeeks while emphasizing the need to master core subjects including Data Structures, Algorithms, and Object-Oriented Programming. She also stressed the significance of maintaining an active GitHub portfolio and a well-optimized LinkedIn profile to enhance professional visibility. The resource person provided a detailed overview of the recruitment process followed at Louisa AI. She explained that the hiring process begins with a technical assessment consisting of coding problems and multiple-choice technical questions, followed by a technical interview that evaluates problem-solving ability, project understanding, and basic system design concepts. The final HR and managerial interview focuses on communication skills, behavioral competencies, cultural fit, career aspirations, and puzzle-based problem-solving. She also shared practical tips for interview success, including staying updated with company products and current technology trends, participating in mock interviews, communicating confidently, and answering behavioral questions using the STAR (Situation, Task, Action, Result) framework. The interactive session concluded with an engaging question-and-answer segment, where students clarified their doubts and gained valuable guidance for their placement preparation.

The program concluded with a Vote of Thanks delivered by Ms. Premitha Kamath, who expressed sincere gratitude to Ms. Ananya Pai for sharing her professional experiences and providing valuable guidance on career planning and interview readiness. The session was highly beneficial in motivating students to enhance their technical and professional skills while preparing confidently for future placement opportunities. The event contributed to achieving the Program Outcomes PO7 and PO8, as students developed greater awareness of industry expectations, career planning strategies, interview preparation techniques, and the importance of continuous skill development and professional networking.



Student and Faculty Workshop on "Building Future India"

The Department of MCA, NMAM Institute of Technology, Nitte, in collaboration with the Ministry of Youth Affairs and Sports, My Bharat (Udupi) and the Staff Development Centre, Nitte, organized a Student and Faculty Workshop on "Building Future India" on 6th August 2025 at the Shambhavi Seminar Hall, NMAMIT, Nitte (Deemed to be University). The workshop aimed to create awareness among students and faculty about government flagship schemes, entrepreneurship opportunities, skill development initiatives, and self-employment programs that contribute to nation-building and youth empowerment.

The workshop was inaugurated by Mr. Ullas K.T.K., District Youth Officer, My Bharat, Dakshina Kannada, who addressed the gathering and emphasized the importance of effectively utilizing government schemes to build a secure and self-employment-oriented future. He highlighted that the active participation of youth in government initiatives would significantly contribute to the progress and development of the nation. Dr. Niranjana N. Chiplunkar, Principal, NMAM Institute of Technology, presided over the function and spoke about the growing interest among students in entrepreneurship and self-employment. He stressed the importance of government support and institutional guidance in enabling young minds to become successful entrepreneurs.

The workshop featured CA S.S. Nayak, MSME and Startup Mentor, as the keynote resource person, who provided practical insights into various financial assistance programs, startup support mechanisms, and government schemes available for aspiring entrepreneurs. He encouraged students to explore entrepreneurship as a career option and leverage the opportunities offered through MSME and startup initiatives. Mr. Ramakrishna Acharya, Mission Manager, Skill Development, and Mrs. Meera, Counselor, also served as resource persons and shared valuable information on skill development programs, career opportunities, and youth empowerment initiatives. Through interactive discussions and real-world case studies, participants gained a better understanding of the implementation and impact of various government flagship schemes and learned how these initiatives can support personal and professional growth.

The program was welcomed by Dr. Mamatha Balipa, Head of the Department of MCA, while Dr. Mangala Shetty and Dr. Spoorthi P. Shetty, the program coordinators, introduced the guests. The event was compered by Ms. Deekshitha Prabhu, and Ms. Shubhashree Karanth delivered the Vote of Thanks. Mr. Varun K. and Mr. K. Kiran introduced the resource persons to the audience. More than 100 students and faculty members actively participated in the workshop and benefited from the informative sessions.

The workshop successfully enhanced participants awareness of major government flagship schemes and their role in national development. Through practical examples and interactive discussions, participants gained valuable exposure to entrepreneurship, financial assistance programs, and skill development opportunities while identifying actionable strategies to align their academic and professional goals with national development initiatives. The workshop contributed to achieving the Program Outcomes PO1, PO7, and PO8 by strengthening students' understanding of professional practices, social responsibility, entrepreneurship, and lifelong learning.



Orientation Program for First Year MCA (2025–2027 Batch)

The Department of MCA, NMAM Institute of Technology, Nitte, organized the Orientation Program for the First Year MCA (2025–2027 Batch) on 18th August 2025 at the Sadananda Auditorium, NMAMIT, Nitte (Deemed to be University). The program was conducted to familiarize the newly admitted students with the institution, academic regulations, departmental activities, placement opportunities, and various co-curricular and extracurricular initiatives, thereby providing a strong foundation for their postgraduate journey.

The inaugural session commenced with an invocation by Ms. Rakshitha, II MCA student, followed by a welcome address by Dr. Mamatha Balipa, Head of the Department of MCA. The program was formally inaugurated by the Chief Guest and dignitaries through the ceremonial lighting of the lamp, symbolizing the pursuit of knowledge and enlightenment. Prof. Dr. M. S. Moodithaya, Vice Chancellor, Nitte (Deemed to be University), addressed the gathering and inspired the students to make the most of their academic journey by embracing learning opportunities and striving for excellence. Prof. Dr. Gopal Mugeraya, Vice President (Technical Education), Nitte (Deemed to be University), delivered the Guest of Honour address, highlighting the importance of innovation, professional growth, and continuous learning. The inaugural function was presided over by Dr. Niranjana N. Chiplunkar, Principal, NMAMIT, in the presence of Dr. Subramanya Bhat, Controller of Examinations.

The subsequent sessions focused on familiarizing students with the academic and administrative framework of the institution. Dr. Subramanya Bhat explained the examination system, evaluation process, and academic regulations, while Dr. Niranjana N. Chiplunkar briefed the students on the college rules and regulations. Dr. Nagesh Prabhu, Vice Principal, addressed the importance of professional ethics, discipline, and responsible conduct in academic and professional life.

The afternoon session began with an address by Dr. Mamatha Balipa, who provided a comprehensive overview of the MCA program, introduced the department faculty, and warmly welcomed the freshers. She encouraged students to begin placement preparation from the first day of their course and emphasized the importance of gaining expertise in two to three core technologies while continuously upgrading their technical skills to meet industry expectations. This was followed by a series of informative presentations by faculty members on various institutional activities and opportunities. Mr. Anantha Murthy spoke about placement training and career development initiatives, Dr. Mangala Shetty highlighted research activities and innovation opportunities, and Dr. Spoorthi P. Shetty discussed student projects and experiential learning. Ms. Raksha Puthran introduced students to SAMCA activities and Semaphore, encouraging active participation in departmental associations. Ms. Saritha Shetty presented the cultural activities conducted by the department, Mr. Keerthi Shetty explained the sports initiatives available to students, and Ms. Prathwini introduced Windows activities that promote student engagement and leadership.

The program concluded with an interactive SAMCA session conducted by second-year MCA students, providing the freshers with an opportunity to interact with their seniors, understand campus life, and become familiar with student associations and departmental culture. The orientation program successfully introduced the students to the academic environment, institutional values, and the wide range of learning and development opportunities available at NMAMIT. The sessions motivated students to actively participate in

academic, technical, cultural, and professional activities while preparing themselves for successful careers. The program contributed to achieving the Program Outcomes PO1, PO4, PO5, PO6, PO7, and PO8 by enhancing students academic awareness, technical preparedness, ethical values, professional skills, teamwork, and commitment to lifelong learning.



ISRO Space Technology and Application Programs

The Department of MCA, NMAM Institute of Technology, Nitte, organized a Technical Talk on "ISRO Space Technology and Application Programs" on 25th September 2025 at Sambhram Auditorium, NMAMIT, Nitte. The session was delivered by Dr. A. G. Ananth, Former Director, ISRO, and Adjunct Faculty, NMAM Institute of Technology, Nitte, who shared his extensive knowledge and experience in the field of space science and technology. The talk provided students with valuable insights into the remarkable achievements of the Indian Space Research Organisation (ISRO), its technological advancements, and the growing role of space technology in national development.

Dr. Ananth began the session by presenting an overview of ISRO's history, vision, mission, and its remarkable journey from a modest beginning to becoming one of the world's leading space agencies. He highlighted the organization's major milestones and contributions to scientific research, satellite technology, and space exploration. He further discussed the evolution of India's launch vehicles, including ASLV, PSLV, and GSLV, and explained the significance of various satellite missions such as Communication Satellites, Remote Sensing Satellites, OceanSat, ResourceSat, Rohini, Aryabhata, Chandrayaan-1, and Chandrayaan-2. The resource person emphasized how these missions have contributed significantly to communication, disaster management, environmental monitoring, agriculture, weather forecasting, navigation, and national security. The session also focused on the diverse applications of space technology in everyday life. Dr. Ananth explained how satellites support weather prediction, communication networks, remote sensing, mapping, and scientific studies of the Earth's atmosphere and outer space. He further discussed the challenges encountered in space research, including launch vehicle failures, atmospheric drag, corrosion, docking mechanisms, orbital accuracy, and mission planning. A detailed explanation of the rocket design process, launch procedures, lift-off stages, satellite deployment, and the crucial role of ground control systems was provided. To enhance students' understanding, visual demonstrations of the Chandrayaan-2 and Chandrayaan-3 missions were presented, illustrating the precision and teamwork involved in successful lunar exploration missions.

The technical talk significantly enhanced students awareness of ISRO's programmes, technological innovations, and the practical applications of space technology. It inspired participants to explore research and career opportunities in the space sector while fostering scientific curiosity and innovation. The session also broadened students' understanding of future prospects in space research and encouraged them to contribute to emerging technologies for national development. Program Outcomes Mapped (POs): PO7, PO8.



Fresher's Day Celebration

The Department of MCA, NMAM Institute of Technology, Nitte, in association with SAMCA, organized Fresher's Day Celebration on 26th September 2025 to warmly welcome the first-year MCA students into the department. The event provided an excellent opportunity for freshers to interact with faculty members, seniors, and classmates, fostering a sense of belonging and creating a positive beginning to their academic journey. The celebration commenced with a series of fun-filled and interactive games that encouraged active participation from students across Sections A, B, and C. These activities promoted teamwork, healthy competition, and helped students build new friendships in a relaxed and enjoyable environment. The program was efficiently coordinated by the SAMCA members, ensuring the smooth conduct of every activity.

The highlight of the event was the cultural performances presented by students from all three sections. The energetic dance performances showcased the creativity, confidence, and enthusiasm of the participants, making the celebration lively and memorable. As part of the program, freshers were also grouped under SAMCA members, initiating a mentorship system through which senior students would guide and support them throughout their MCA programme. This initiative encouraged stronger interaction between juniors and seniors while fostering a collaborative learning environment.

The event concluded with an atmosphere of excitement, friendship, and togetherness, leaving the freshers with memorable experiences and a sense of confidence as they embarked on their academic journey. The celebration successfully strengthened interpersonal relationships, teamwork, communication, and student engagement while promoting an inclusive and supportive departmental culture. Through active participation in various activities, students enhanced their collaborative and social skills, contributing to the attainment of Program Outcomes PO5 and PO8.





Three-Day Short-Term Training Program on Artificial Intelligence in Public Health

The Department of MCA, NMAM Institute of Technology, Nitte, organized a Three-Day Short-Term Training Program on Artificial Intelligence in Public Health for the postgraduate students of the Department of Public Health, KSHEMA, on 27th September 2025, 4th October 2025, and 27th October 2025. The program was conducted as part of the ongoing academic collaboration between the two departments with the objective of introducing participants to the emerging applications of Artificial Intelligence in healthcare and public health.

The program was inaugurated by Dr. Niranjan N. Chiplunkar, Principal, NMAM Institute of Technology, who highlighted the long-standing and productive collaboration between the Department of MCA and the Department of Public Health. In his inaugural address, he emphasized how the partnership had contributed to several successful academic initiatives, workshops, and interdisciplinary projects over the years. Dr. Mamatha Balipa, Head of the Department of MCA, welcomed Dr. Mackwin Kenwood Dmello, Head of the Department of Public Health, along with the faculty members and participating postgraduate students. The technical sessions were conducted by Dr. Mangala Shetty, Associate Professor, and Dr. Praveena Kumari, Assistant Professor, Department of MCA. The resource persons introduced participants to the fundamentals of Artificial Intelligence and demonstrated its growing role in public health through practical examples and real-world applications. The sessions covered AI-driven healthcare solutions, predictive analytics, disease surveillance, data analysis, and the potential of intelligent systems in improving healthcare decision-making and public health management. The interactive nature of the training encouraged participants to actively engage in discussions and gain interdisciplinary knowledge of AI technologies.

The program was efficiently coordinated by Dr. Spoorthi Shetty, whose efforts ensured the smooth execution of all three sessions. The training concluded with enthusiastic feedback from the participants, who appreciated the relevance, clarity, and practical orientation of the program. The initiative enhanced participants' understanding of Artificial Intelligence in healthcare, promoted interdisciplinary learning, strengthened analytical and problem-solving skills, and created awareness of emerging technologies and research opportunities in public health, thereby contributing to the attainment of Program Outcomes PO2, PO3, PO5, and PO8.



National Level Intercollegiate Technical Fest – SEMAPHORE-2K25

The Department of MCA, NMAM Institute of Technology, Nitte, organized the National Level Intercollegiate Technical Fest – SEMAPHORE-2K25 on 9th and 10th October 2025. Students from various institutions across the state participated in the fest.

The fest was inaugurated by Mr. Abhilash U. K., Principal Software Engineer at HPE R&D, on 9th October 2025. In his inaugural address, he emphasized the importance of placements and entrepreneurship opportunities, encouraging students to focus on building successful careers.

Dr. Niranjana N. Chiplunkar, Principal, NMAM Institute of Technology, presided over the inaugural function and congratulated the Department of MCA for successfully organizing the fest for the past 22 years. He also highlighted the importance of such technical fests in the overall development of students. Dr. Mamatha Balipa, Professor and Head, Department of MCA, welcomed the gathering. Dr. Anantha Murthy, Staff Coordinator of SEMAPHORE, introduced the chief guest. Mr. Kiran, SAMCA President, briefed the audience on the history of SEMAPHORE, while Mr. Anup Nayak, SAMCA Technical Coordinator, provided an overview of the fest. Ms. Rakshitha, SAMCA Secretary, proposed the vote of thanks.

Various events such as Dancing, Surprise Event, Photography, Quiz, Tech Talk, Startup Event, Gaming, and technical events including Coding, IT Manager, and Web Designing were conducted. St. Aloysius College, Mangalore, won the Overall Championship, while NMIT, Bangalore, secured the Runner-up Trophy.

Outcomes:

- **Enhanced Technical Skills:** Students gained hands-on experience through workshops, competitions, coding challenges, and project exhibitions, improving their practical understanding of emerging technologies.
- **Improved Problem-Solving and Creativity:** Events such as hackathons, debugging contests, and idea presentations encouraged participants to think critically and develop innovative solutions.
- **Exposure to Industry Trends:** Expert talks, seminars, and demonstrations provided insights into current industry practices, tools, and technologies.
- **Teamwork and Collaboration:** Group activities and team-based competitions helped students strengthen team coordination, leadership, and communication skills.
- **Showcasing Talent and Innovation:** The fest offered a platform for students to present their projects, prototypes, and creative ideas to peers, faculty members, and industry professionals.
- **Networking Opportunities:** Interaction with industry experts, alumni, and participants from other institutions helped students expand their professional network.
- **Increased Confidence and Presentation Skills:** Participants improved their confidence in presenting ideas, explaining concepts, and demonstrating their work.
- **Organizational and Management Skills:** Student volunteers and coordinators developed skills in event planning, coordination, budgeting, and execution.
- **Motivation and Competitive Spirit:** Awards and recognition boosted student motivation and encouraged healthy competition.
- **Institutional Visibility and Reputation:** The successful conduct of the fest enhanced the institution's profile and strengthened its culture of innovation and technical excellence.



Research Methodology and Publication

The Department of MCA, NMAM Institute of Technology, Nitte, in association with the Research Directorate, Nitte (Deemed to be University), organized a Workshop on Research Methodology and Publication on 4th and 5th November 2025 at Sambhram Auditorium. The workshop was conducted as a student development program to enhance students' understanding of research methodology and scientific publication practices.

The inaugural ceremony was graced by Dr. Sudesh Bekal, Dean (Research), NMAM Institute of Technology, Nitte, and Dr. Mamatha Balipa, Head, Department of MCA. Dr. Praveen Kumar Shetty, Director of Research, provided an overview of research activities and emphasized the importance of quality research and publication.

The workshop comprised six technical sessions covering various aspects of research methodology, including research methodology, literature review, publication of research results, and innovations across domains such as Artificial Intelligence and Machine Learning, Internet of Things, Image Processing, Mobile Applications, and Data Analysis. The sessions provided participants with valuable insights into conducting quality research and publishing scholarly work.

Outcomes:

1. **Enhanced Understanding of Research Concepts:** Students gained a foundational understanding of key research concepts such as research questions, hypotheses, literature reviews, data collection methods (qualitative and quantitative), data analysis techniques, and ethical considerations.
 2. **Improved Communication and Presentation Skills:** The program strengthened students' ability to communicate research findings effectively through research reports, presentations, and academic discussions.
 3. **Increased Confidence in Research Activities:** The workshop enhanced students' confidence in conducting research independently as well as collaboratively, fostering a positive attitude toward research activities.
- Improved Research Design Skills:** Students developed the ability to design basic research projects by formulating research questions, identifying appropriate methodologies, and preparing research proposals.
- Program Outcomes Mapped (POs):** PO2, PO6, PO8, PO10, PO11.



Farewell Celebration

The Department of MCA, NMAM Institute of Technology, Nitte, in association with SAMCA, organized a Farewell Celebration on 14th November 2025 to bid a warm and heartfelt farewell to the outgoing MCA students. The event was filled with enthusiasm, emotions, and joy, making it a memorable occasion for both juniors and seniors.

The farewell ceremony symbolized gratitude, cherished memories, friendship, and new beginnings. The entire program was coordinated by the SAMCA members, ensuring the smooth conduct of every segment of the event.

The program began with fun and interactive games, bringing laughter and excitement among the students. Students from all sections actively participated, displaying great teamwork and sportsmanship. The highlight of the event was the dance performances, where students captivated the audience with their energetic and creative performances. These performances reflected the talent, unity, and vibrant spirit of the MCA department.

Faculty members shared their inspiring messages and conveyed their best wishes to the outgoing students, encouraging them to face future challenges with confidence and determination. The outgoing students expressed their gratitude and shared memorable experiences from their academic journey.

As a token of love and remembrance, the outgoing students were felicitated with mementos and titles, making the occasion both emotional and memorable. The Farewell Celebration concluded on a joyful yet emotional note, leaving behind cherished memories for everyone present. The event reflected the strong bond shared within the MCA family, and the dedicated efforts of the SAMCA members contributed to the grand success of the celebration. Program Outcomes Mapped (POs): PO5 and PO8.





MCA Expro'25 – Alumni Talk Series

The Department of MCA, NMAM Institute of Technology, organized the MCA Expro'25 – Alumni Talk Series on 17th November 2025, bringing together distinguished alumni to share their professional experiences and valuable insights with the current students.

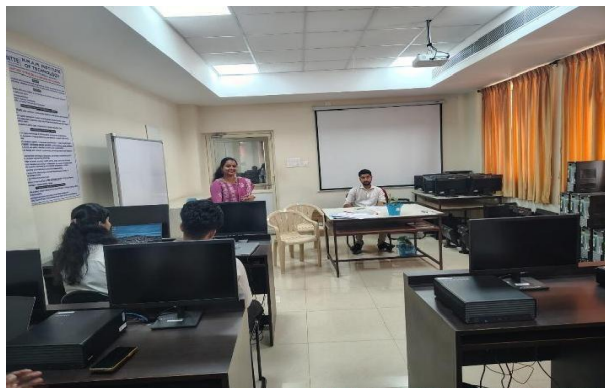
The programme began with a welcome address by Dr. Mamatha Balipa, Head of the Department, who highlighted the importance of alumni interactions in strengthening the connection between academia and industry. Dr. Spoorthi Shetty introduced the invited alumni and set the context for the session.

The programme was inaugurated by Mrs. Shilpa Ranjith Shetty (Batch of 2007), Director, Shiransh Ventures Pvt. Ltd., who delivered the inaugural address. She emphasized that the MCA programme at Nitte provides equal importance to technical and non-technical skills, contributing to the holistic development of students. Sharing her own professional journey, she explained how the strong technical foundation provided by the department played a significant role in shaping her career. She also highlighted that participation in co-curricular and extracurricular activities helped her develop confidence, communication skills, and leadership qualities. She encouraged students to maintain a balance between academics and activities beyond the classroom, emphasizing that success depends on developing both technical competence and soft skills.

Ms. Chaithra Salian (Batch of 2022), iOS Developer, Sclera, spoke about the importance of the MCA final-year project in preparing students for their careers. She advised students to use Artificial Intelligence tools for support and idea generation but cautioned them against relying entirely on AI-generated work. She encouraged them to understand the logic, concepts, and implementation behind their projects, as technical interviews often assess problem-solving ability and conceptual understanding. She also pointed out that some organizations may not encourage excessive dependence on AI tools, making self-learning an essential aspect of professional growth.

Mr. Velan Salees (Batch of 2020), SRE, Akamai Technologies, highlighted the importance of effective time management for MCA students. He encouraged students to maintain a healthy balance between academics, project work, and extracurricular activities to improve productivity and reduce stress. He also motivated students to make use of online courses and learning platforms to enhance their technical skills, explaining that continuous learning is essential for placements and long-term career growth in the rapidly evolving IT industry. The session provided students with practical insights into industry expectations, holistic development, and the importance of self-driven learning. The interactive discussions encouraged students to reflect on their academic journey and prepare themselves for future professional opportunities.

The programme concluded with a formal vote of thanks proposed by Mr. Keerthi Shetty, Department WENAMITAA Coordinator, who expressed gratitude to the alumni for sharing their valuable experiences and to everyone involved in organizing the event.



MCA Expro'25 – MCA Project Exhibition

The Department of MCA, NMAM Institute of Technology, Nitte, organized MCA EXPRO – 2025, an MCA Project Exhibition, on 17th November 2025. The exhibition provided a platform for students to showcase their innovative projects and demonstrate their technical knowledge, creativity, and problem-solving abilities.

In her inaugural address, Mrs. Shilpa Ranjeeth Shetty, Director, Shiransh Ventures Pvt. Ltd., stated that *"Nitte MCA gives equal importance to both technical and non-technical knowledge for the holistic development of students."*

Dr. Gopal Mogeraya, Vice President – Technical Education, Nitte University, attended the programme as the Guest of Honour and emphasized that such activities organized by the MCA Department play a vital role in shaping the future of students. Presiding over the programme, Dr. Niranjana Chiplunkar, Principal, NMAM Institute of Technology, appreciated the growing enthusiasm among students, which has resulted in a significant increase in the number of project entries each year.

The programme was also graced by distinguished alumni Mrs. Chaitra Salian, iOS Developer at Sclera, and Mr. Velan Salis, SRE at Akamai Technologies. Also present were Dr. Veena B. K., Principal, Dr. NSAM First Grade College, Dr. Harshitha Jathanna, Treasurer, WENAMITAA, and Dr. Subrahmanya Bhat, Controller of Examinations, Nitte Off-Campus Centre.

Dr. Mamatha Balipa, Head of the Department of MCA, welcomed the gathering, while Dr. Spoorthi Shetty, Project Coordinator, introduced the chief guest. Mr. Keerthi Shetty, WENAMITAA Coordinator, proposed the vote of thanks, and the programme was compered by Mr. Sohan. The panel of judges comprised Dr. Sarika Hegde, Dr. Manjula Gururaj, and Dr. Shabari Shedthi B.

More than 170 projects were showcased during the exhibition, reflecting the innovation, technical competence, and creativity of the students.

Outcomes:

1. **Enhanced Practical Learning:** Students gained hands-on exposure by presenting their innovative projects, strengthening their technical skills and problem-solving abilities.
2. **Industry Interaction:** Interaction with industry professionals and alumni provided valuable insights into current trends, expectations, and real-world applications.
3. **Improved Presentation and Communication Skills:** Students effectively showcased their projects, improving their confidence, communication, and project demonstration abilities.
4. **Encouragement for Innovation:** The wide display of diverse projects encouraged creativity, innovation, and teamwork among students.

Showcasing Department Strength: Displaying more than 170 projects highlighted the technical capabilities, enthusiasm, and academic strength of the MCA students, contributing to the attainment of Program Outcomes PO1, PO2, PO3, PO4, PO5, PO6, PO7, and PO8.



Prize Distribution Ceremony – MCA ExPro'25

The Department of MCA, NMAM Institute of Technology, Nitte, organized the Prize Distribution Ceremony of MCA ExPro'25 on 19th November 2025 in the Department of MCA. The ceremony was conducted to recognize and honour the outstanding projects presented during MCA ExPro'25, which witnessed enthusiastic participation with more than 170 innovative student projects.

Based on innovation, technical implementation, societal relevance, and presentation quality, the top 10 projects were shortlisted and awarded. The ceremony was graced by Dr. Niranjan Chiplunkar, Principal, NMAM Institute of Technology, who presented the prizes to the winners. Mr. Prasanna Kailaje, Director of Alumni Relations, Dr. Mamatha Balipa, Head of the Department of MCA, Dr. Spoorthi Shetty, Project Coordinator, and Mr. Keerthi Shetty, Department WENAMITAA Coordinator, were also present and participated in distributing the awards.

The First, Second, and Third prizes were sponsored by the College, while the Consolation Prizes were sponsored by WENAMITAA, the Alumni Association of NMAM Institute of Technology, Nitte. The ceremony concluded by appreciating the efforts and achievements of all participants and encouraging students to continue pursuing innovation, technical excellence, and quality project development.

Sl. No	Name	Title of the Project	Prize Position
1	PRAJWAL	ProgressiveCoder: AI-Powered Personalized Coding Assistant and Learning Guide	First Prize
2	RAHUL VASANTHA POOJARI	AI-Powered Herb Identification and Medicinal Use Suggestion	Second Prize
3	SHWETHA SHETTY	Multiclass Classification of Paediatric Respiratory Diseases	Third Prize

Consolation prize winners

Sl. No	Name	Title of the Project
1	ANUP NAYAK	Career Nest – A Learning Monitoring System
2	DEEKSHA A	Blueberry Freshness Detection
3	SAKETH HEGDE	Sentiment Analysis and Fake Review Detection System in E-Commerce Platforms
4	HARSHITH P	AI Dark Pattern Detector
5	SANDHYA D KOTIAN	Handloom Saree Classification using MobileNetV2
6	VINISHA RAMESH POOJARY	SmartEval: Automated Question Paper Analysis Using NLP, Bloom's Taxonomy, and Course Outcomes
7	VARUN K	Smart Attendance App with QR Code Scanner



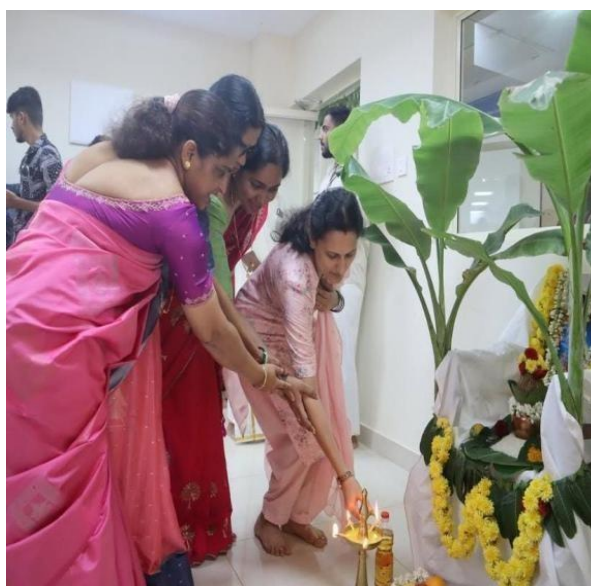
Sharada Pooja Celebration

The Department of MCA, NMAM Institute of Technology, Nitte, organized the Sharada Pooja Celebration on 30th November 2025 under the SAMCA (Student Association of MCA) activities. The cultural event showcased a rich blend of devotion, tradition, and talent through the Sharada Pooja and Bhajane, along with Rangoli, Drawing, and Reel-Making competitions. The celebration was marked by vibrant decorations, traditional attire, and a strong sense of unity among the students.

As part of the celebration, the Department organized Rangoli, Drawing, and Reel-Making Competitions, in which students from the first and second-year MCA batches participated enthusiastically, displaying their creativity and artistic skills. In the Rangoli Competition, Advithi and Apoorva from 2nd Year A Section secured the first place, while Vidyashree and Shraddha S. A. from 2nd Year C Section were declared runners-up. In the Drawing Competition, Avilash from 1st Year A Section won the first prize, and Prathviraj from 2nd Year B Section secured the runner-up position. In the Reel-Making Competition, Santhoji from 2nd Year C Section impressed the judges and secured the first position.

The department was beautifully decorated with mango leaves and colourful rangolis, creating a festive and divine atmosphere. Students dressed in traditional attire reflected the spirit of Indian culture and heritage, adding to the grandeur of the celebration. The highlight of the event was the Sharada Pooja, conducted by a priest at 1:30 PM, during which rituals were performed to invoke the blessings of Goddess Sharada. Students also participated in Bhajane, filling the environment with devotion and positive energy. Following the pooja, prasad and laddoos were distributed to all participants, symbolizing the sharing of blessings and goodwill.

The celebration concluded with devotion and gratitude, bringing together students and faculty in a spirit of unity, cultural appreciation, and togetherness. The event successfully promoted creativity, cultural values, and active student participation, contributing to the attainment of Program Outcomes PO5 and PO8.





Teck-Kno'26 – Technical Fest

The Department of MCA, NMAM Institute of Technology, in association with Thought Grain Solutions, successfully organized Teck-Kno'26, a technical fest that brought together 104 participants from 18 undergraduate institutions. The event was designed to provide students with a platform to showcase their technical skills, enhance their problem-solving abilities, and experience industry-oriented recruitment processes.

The program was inaugurated by Mr. Arunachala Shetty, Co-Founder of Thought Grain Solutions. In his inaugural address, he emphasized the importance of adapting to the rapid advancements in Artificial Intelligence and encouraged students to embrace AI as a collaborative technology rather than a replacement for human capabilities. He also highlighted the need for continuous learning and proficiency in multiple programming languages to remain competitive in the evolving technology landscape.

The Chief Guest, Dr. Gopal Mugeraya, Vice President – Technical Education, emphasized that while Artificial Intelligence has transformed various industries, it cannot replace human emotional intelligence, critical thinking, decision-making abilities, and common sense. He appreciated the Department of MCA for organizing an industry-oriented event that bridges the gap between academia and industry. The program was presided over by Dr. Niranjana Chiplunkar, Principal, NMAM Institute of Technology, who stressed the importance of data-driven approaches and encouraged students to effectively utilize data in their academic projects.

The event featured a series of technical and HR interview rounds conducted by experts from Thought Grain Solutions, providing participants with valuable exposure to real-time recruitment practices followed in the IT industry. Students had the opportunity to assess their technical competencies, communication skills, and professional readiness while interacting with industry professionals. Participants were also given a guided tour of the institute's campus and its facilities.

The valedictory ceremony concluded with the announcement of the winners. Yenepoya College, Moodbidri secured the First Prize with a cash award of ₹10,000, Vijaya College, Mulki won the Second Prize with a cash award of ₹5,000, and N.S.A.M. First Grade College, Nitte secured the Third Prize.

Overall, Teck-Kno'26 served as an effective platform for enhancing students' technical expertise, analytical thinking, teamwork, communication, and interview skills while fostering industry interaction and preparing them for future career opportunities. Program Outcomes (POs) Mapped: PO1, PO2, PO3, PO5, PO7, PO8.





Soft Skills & Placement Training

The Department of MCA, in association with the Placement Department, organized a six-day Soft Skills & Placement Training program in collaboration with Mahindra Pride Classroom and Naandi Foundation from 23rd March to 28th March 2026 at Nethravathi Seminar Hall, NC12, and NC36. The training program witnessed the active participation of 180 students and was conducted by experienced trainers Ms. Sadhika Bhanu, Mr. Suhas, and Mr. Adithya. The program aimed to enhance students' communication, interpersonal, and employability skills, preparing them to confidently face campus recruitment processes and professional challenges.

The training commenced with sessions on self-awareness and personality development. Students were introduced to the Johari Window concept to understand their strengths, areas for improvement, and interpersonal relationships. The trainers emphasized the importance of creating positive first impressions through effective body language, professional grooming, and personal hygiene. Interactive activities encouraged students to build self-confidence and develop a professional outlook.

The subsequent sessions focused on developing effective communication skills through extempore speaking, presentations, and group activities. Students learned the 7 C's of Communication—Clear, Concise, Concrete, Complete, Coherent, Correct, and Courteous—and understood their significance in professional interactions. The program also covered goal setting using the SMART framework, time management strategies, and techniques for balancing academic, professional, and personal responsibilities.

A major component of the training was dedicated to placement preparation. Students received practical guidance on interview techniques, resume building, email etiquette, adapting to industry expectations, and understanding job roles. The trainers introduced the concept of video resumes and explained the ABCD of Interviews—Appearance, Body Language, Content, and Delivery—to help students present themselves confidently during recruitment processes. Practical sessions involving mock interviews, face-to-face interactions, and real-world company scenarios enhanced participants' problem-solving, decision-making, and communication skills.

The program also included sessions on financial literacy, where students were introduced to concepts such as Recurring Deposits (RD), Fixed Deposits (FD), and the basics of stock market investments. Group discussions and collaborative activities helped students strengthen teamwork, active listening, and leadership abilities. The concluding sessions emphasized professional ethics, workplace values, and responsible behaviour, encouraging students to uphold honesty, respect, and integrity throughout their professional careers.

Overall, the Soft Skills & Placement Training program provided students with a comprehensive learning experience by combining theoretical concepts with practical activities. The program significantly enhanced students' confidence, communication abilities, interpersonal skills, and professional readiness, equipping them with the essential competencies required to succeed in campus placements and future careers. Program Outcomes (POs) Mapped: PO5, PO8



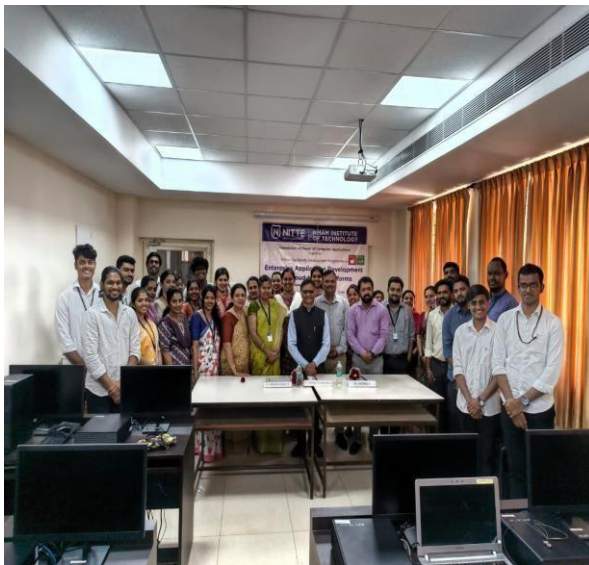
Four-Day Faculty Development Programme on Enterprise Application Development with Cloud-Native Platforms

The Department of MCA, NMAM Institute of Technology, Nitte, organized a Four-Day Faculty Development Programme (FDP) on "Enterprise Application Development with Cloud-Native Platforms" from 25th to 28th March 2026. The programme was conducted to equip faculty members with contemporary knowledge and practical skills in cloud-native technologies and modern enterprise application development. The FDP was led by Mr. Santhosh N., Vice President (R&D), Numocity, Bengaluru, who has over 19 years of experience in the IT industry across various technical and leadership roles.

The inaugural session commenced with a welcome address by Dr. Mamatha Balipa, Head of the Department of MCA, who emphasized the significance of faculty development programmes in bridging the gap between academic curricula and rapidly evolving industry requirements. Mr. Arhath Kumar, Assistant Professor, Department of MCA, introduced the resource person by highlighting his extensive experience and contributions in the areas of research, development, and enterprise technologies. In his keynote address, Mr. Santhosh N. introduced the concepts of enterprise applications and cloud-native platforms, providing participants with an overview of modern application architectures and cloud computing practices. He emphasized the importance of hands-on learning through technologies such as Docker and Kubernetes, which play a vital role in developing, deploying, and managing scalable enterprise applications. The presidential address was delivered by Dr. Niranjana Chiplunkar, Principal, NMAM Institute of Technology, who highlighted the need for educators to remain updated with emerging technologies to effectively prepare students for industry demands.

Over the four days, the FDP featured comprehensive sessions covering key topics including Cloud-Native Application Development Principles, Containerization and Application Packaging, Container Orchestration using Kubernetes, Microservices Communication with Service Mesh, Serverless and Event-Driven Architectures, Cloud Cost Management and FinOps, and Hands-on Cloud-Native Development Practices. The sessions combined conceptual understanding with practical demonstrations and hands-on exercises, enabling participants to gain real-world experience in designing, deploying, and managing cloud-native applications. The inaugural session concluded with a vote of thanks proposed by Dr. Pallavi Shetty, Associate Professor, Department of MCA, expressing gratitude to the resource person, dignitaries, organizers, and participants for their valuable support and participation. The programme was compered by Ms. Premitha Kamath, Assistant Professor, Department of MCA.

Overall, the FDP provided faculty members with valuable exposure to the latest trends in enterprise application development and cloud-native technologies. The programme strengthened participants' understanding of modern software development practices, containerization, cloud deployment strategies, and cost optimization techniques, thereby enhancing their ability to integrate industry-relevant concepts into teaching and research. Program Outcomes (POs) Mapped: PO1, PO2, PO3, PO4, PO5, PO8



One-Day Hands-on Workshop on Data Analysis, Data Lakes and History of Data

The Department of Master of Computer Applications, NMAM Institute of Technology, organized a One-Day Hands-on Workshop on Data Analysis, Data Lakes and History of Data in association with Thought Grains Foundations, Udupi, on 30th March 2026 at the Sambhram Auditorium. The workshop was conducted for faculty members and students with the objective of providing a comprehensive understanding of modern data analytics concepts while offering practical exposure to industry-relevant tools and technologies.

The workshop was inaugurated by Mr. Arunachala Shetty, Director, Thought Grains Foundations, Udupi. The technical sessions were conducted by Mr. Arunachala Shetty, Mr. Gopal, Senior Software Engineer, and Mr. Hemanth, Director and Software Engineer, Thought Grains Foundations, Udupi. The resource persons introduced participants to the fundamentals of data analysis, the architecture and significance of data lakes, and the historical evolution of data technologies. They emphasized the growing importance of data-driven decision-making and highlighted real-world applications of data analytics across diverse industries.

A major highlight of the workshop was the full-day hands-on session, where participants gained practical experience using various data analytics tools and software. The sessions included exploring GitHub repositories, working on real-world projects, understanding data lake concepts, and performing guided exercises to analyze datasets. Through these interactive activities, participants developed a deeper understanding of modern data analytics workflows and the practical implementation of data-driven solutions.

The workshop provided an engaging learning environment that effectively combined theoretical concepts with hands-on practice. The interactive sessions encouraged active participation, enabling attendees to strengthen their analytical and technical skills while gaining valuable insights into contemporary data technologies. A total of 180 students participated in the workshop.

Overall, the workshop proved to be an enriching learning experience, equipping participants with both conceptual knowledge and practical expertise in data analytics and data lake technologies. It enhanced their understanding of modern data-driven practices and prepared them to apply these concepts in academic projects, research, and industry applications. Program Outcomes (POs) Mapped: PO1, PO2, PO3, PO4, PO8.





STUDENT ASSOCIATION

MASTER OF COMPUTER APPLICATIONS



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