



**SCAN THE QR CODE
FOR REGISTRATION FORM**



For Making Course Fee Payment, NEFT details are as below:

Bank A/c Name: MNIT Innovation and Incubation Centre

A/c Number: 676801700527

Bank Name: ICICI BANK, MNIT, Branch

IFSC Code: ICIC0006768

Accommodation:

Limited accommodation may be arranged for the students in the Boys and Girls hostels on payment basis as per Institute norms.

Limited Seats:

- Preference will be given on first come first serve basis only.
- Confirmation email shall be sent to the aspiring participants only after the receipt of payment

ORGANISING COMMITTEE

PATRON

Prof. N. P. Padhy
Director, MNIT Jaipur

Program Co-Patron

Prof. Jyotirmay Mathur
Head, MIIC

Program Convener

Prof. Monica Sharma
Secretary, MIIC
Associate Dean - Incubation

Program Co-Convener

Prof. Amar Patnaik
Treasurer, MIIC

Program Coordinator

Dr. Sanjay Gaur
Senior Operations Manager, MIIC

Contact Person

Ms. Divya Pareek
Senior Executive, MIIC MNIT Jaipur
Mob.: 7742983512

Email: miic@mnit.ac.in • **Website:** miic@mnit.ac.in



**MNIT INNOVATION AND INCUBATION
CENTRE (MIIC)**



Announces:

Summer Internship Program (SIP) 2024



Last Date of Registration :

15th May 2024 (60 Days) | 30th May 2024 (45 Days)

Date of Commencement :

01st June to 2024 to 15 July 2024 (45 Days)

16th May 2024 to 15th July 2024 (60 Days)



**MALAVIYA NATIONAL INSTITUTE OF
TECHNOLOGY, JAIPUR
(RAJASTHAN) 302017**

ABOUT MIIC

MNIT Innovation and Incubation Centre (MIIC) is established since 2016 at MNIT Jaipur, as a sector agnostic Technology Business Incubator (TBI) by Govt. of India to provide a platform for conceiving, realizing, promoting & nurturing knowledge-based Innovation & Entrepreneurship amongst students, innovators, and budding entrepreneurs from the state of Rajasthan. MIIC has a strong and vibrant footprint of 121 start-ups. Currently, 30 start-ups are incubating their ideas physically in MIIC, besides the 10 associate start-ups and are working in various domains. MIIC has to date conducted more than 207 start-up programs and activities to address the practical and business concerns of the Rajasthan ecosystem stakeholders, benefitting 21000 plus participants.

ABOUT PROGRAM

Summer Internship Program (SIP) is an integral part of B.Tech, M.Tech, and MBA curricula. SIP is a great opportunity to gain research experience, develop project management skills and enhance knowledge through real Industrial problems. The internship runs for 6-8 weeks through the summer. Academic supervisors allocate self-contained projects, spanning a broad range of subject areas and feeding directly into current research and teaching activities. During SIP, students work on a project and are trained to handle various equipment and machines available in the laboratory. The programs are industry/project-based and address the fundamental understanding and the applications related to the specific domain.

COURSE CONTENT

Program – I

Machine learning : Basic concepts to Applications in Healthcare (BCAH)

In Association with Svaarogym Medical Devices Pvt. Ltd.

Module I - Python • Introduction to Python • Basic language syntax • Model Building • Data Science and Analysis • Data Visualization

Module II - Basics of Machine Learning • Machine Learning Concepts • Machine learning Models • Supervised Learning • Unsupervised Learning/Reinforcement learning • Deep Learning

Module III - Internet of Things • Basics of IoT, Concepts and Components • Internet of Things (IoT) : Basic Implementation on open source • IoT in Healthcare: Challenges and Opportunities • Healthcare Cyber Physical System • Applications and Case study of Cyber Physical Systems in Healthcare

Module IV - User-Centered Medical Device Design • Introduction and Importance of User-Centered Design • Low & High Fidelity Modeling • User Persona • Human Factors Design • Task Analysis/Empathy Maps

Module V - Data Analysis • Linear Regression • Naive Bays • SVM • PCA, NFM • Clustering

Module VI - Neural Networks • Introduction to NN • Deep neural Network: Case study in healthcare • Convolution Neural Network: Case study in healthcare • Recurrent Neural Network: Case Study in healthcare • Auto Encoders: Case study in healthcare • Smart Healthcare Applications • Physiological signal processing for Healthcare (ECG, EMG, EEG etc.) • Smart Healthcare: Concepts and applications • Intelligent Healthcare applications • Embedded Intelligence System • Regulatory, Standardization, Risk Management, Ethics for Medical Devices

Eligibility: 2nd/3rd/4th Year B.Tech (C.S./IT/Electronics)

Course Fees: Rs. 8000/-

Program – II

Design and Development of Electric Vehicle (DDEV)

In Association with Rishi Agastya Technologies Pvt. Ltd.

Module I: Presenting your Vehicle Development Strategy Practical Session: Introduction to Computer Aided Design

Module II: Introduction to Chassis Statics & Dynamics Practical Session: Introduction to Parametric Modelling & Chassis Simulation

Module III: Control Module of an Electric Vehicle Practical Session: Practical Session: Introduction to PCB Design on Proteus and basic applications using microcontrollers.

Module IV: Introduction to the Suspension System Control Module of an Electric Vehicle Practical Session: Practical Sessions: Condition for the correct steering geometry and its correlation with Ackermann and Davis steering gear mechanism. Front Wheel Geometry viz., camber, castor, toe-in, king-pin inclination, etc.

Module V: Basic Structure Development Practical Sessions: design a Basic Structure of the Vehicle and assemble of all the components.

Module VI: Project Development and Testing • Develop a full-scale working model of electric vehicle • Testing and troubleshooting

Eligibility: Any branch of B.Tech. (Any Semester)

Course Fees: Rs. 9000/-

Program – III

Master the Art of Public Speaking (MAPS)

In Association with Mystic Brains Pvt. Ltd.

Module I: PERSONALITY DEVELOPMENT- Create strong personality by learning Confidence, Communication, Voice Modulation & Presentation Skills.

Module II: POWERFUL COMMUNICATION- Learn to prepare powerful speech, quotes and Learn storytelling as per target audience.

Module III: PROGRESSIVE INNOVATION- Learn Creative mindset, Ideation to implementation and inspirational stories of greatest minds that can create personal and social impact.

Module IV: PERSONAL BRANDING & TIME MANAGEMENT- Learn public speaking skills, Social Media optimization and prioritizing your tasks wisely.

Eligibility: Open for All Streams

Course Fees: Rs. 10,000/-



MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR

MNIT INNOVATION AND INCUBATION CENTRE

announces

A great opportunity to learn and work with Start-ups...



SUMMER INTERNSHIP PROGRAM (SIP)-2024

INTERNSHIP DOMAINS:

1. Machine learning : Basic concepts to Applications in Healthcare (BCAH)

In Association with
Svaarogym Medical Devices Pvt. Ltd.
Program Fee: Rs. 8,000/-

2. Design and Development of Electric Vehicle (DDEV)

In Association with
Rishi Agastya Technologies Pvt. Ltd.
Program Fee: Rs. 9,000/-

3. Master the Art of Public Speaking (MAPS)

In Association with
Mystic Brains Pvt. Ltd.
Program Fee: Rs. 10,000/-

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16th May 2024 to 15th July 2024 (60 Days)

✓ **Last Date of Registration:**
15th May 2024 (60 Days)
30th May 2024 (45 Days)



Fee Details:

Applicable program fee is to be paid through
NEFT, details for which are :
A/c Name: MNIT Innovation and Incubation Centre
A/c Number: 676801700527
Bank Name: ICICI BANK, MNIT Branch
IFSC Code: ICIC0006768

Contact

Ms. Divya Pareek : 7742983512

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