

St. Xavier's College Jaipur

(Affiliated to the University of Rajasthan, Jaipur)
Accredited with A Grade by NAAC (First Cycle, 2024)
An ISO 14001:2015 Certified Institution



Ref No: SXCJ/ACAD/TIPC/2024-25/2635

Date: 01.05.2025

Summer Internship Programme at MNIT Jaipur

This is to inform all students that **Malaviya National Institute of Technology (MNIT), Jaipur** is offering a **Summer Internship Programme** for students from various disciplines who possess a **strong academic record and research acumen**.

Duration: The internship will be conducted during the summer break of MNIT Jaipur, for a period ranging from **4 to 6 weeks**.

General Instructions:

- Selection will be based on the applicant's qualifications, experience, and academic/professional details as provided in their **Curriculum Vitae**.
- Selected candidates will be mentored by MNIT faculty members on real-time research projects.
- Opportunities may be available to engage in **interdisciplinary research** and utilize advanced research tools.
- The internship will generally be **conducted in offline mode**, unless otherwise specified by the concerned mentor.
- A **Certificate of Completion** will be awarded upon successful completion and satisfactory performance.

Minimum Eligibility Criteria:

- Currently enrolled **Undergraduate or Graduate students** with a **minimum CGPA of 7.00**.
- A strong academic background and a demonstrated interest in research are essential.
- Preference will be given to students who have completed at least **two semesters** of their current programme.

Project Areas Include (but are not limited to):

- **Computer Science & Engineering:** Blockchain, AI in Cyber Security, Digital Twins, Network Security, Application Development
- **Humanities and Social Sciences:** Ecocritical Literature, Women in Science Studies
- **Electrical Engineering:** Power Quality, EV Charging Systems
- **Mechanical Engineering:** Materials Processing, High Entropy Alloys, Renewable Energy Systems
- **Architecture & Planning:** Urban Morphology, Thermal Comfort in Design
- **Physics, Chemistry, Chemical Engineering:** Nanomaterials, Energy Storage, Green Chemistry

The **complete list of projects and mentors** is available in the **attached Excel document**.

How to Apply:

Interested students must fill in the application form as per the given format and email it to the **respective project supervisor**.

Further details regarding the programme and application process are available at the following link:

👉 <https://www.mnit.ac.in/news/news?newsid=QKuL3A==>

Last Date to Apply: 05th May 2025 (Monday)


For any queries or assistance, please write to: **tipc@sxcjpr.edu.in**

Students are encouraged to make the most of this excellent opportunity to engage in research and enhance their academic profile.

Ref.: SXCJ/ACAD/TIPC/2024-25/2636-2640

Copy forwarded to the following for information and necessary action:

1. Vice-principal, St. Xavier's College Jaipur
2. Coordinator, TIPC, St. Xavier's College Jaipur
3. Heads of all the Departments, St. Xavier's College Jaipur
4. Website Coordinator, St. Xavier's College Jaipur
5. Principal Office, St. Xavier's College Jaipur


Principal
St. Xavier's College, Jaipur
Nevta-Mahapura Road, Jaipur

S. No.	Email Address	Name of Faculty Member/ Supervisor/Mentor proposing	Institute Id	Department Name	Proposed Topic-1	Proposed Topic-2
1	nmittal.cse@mnit.ac.in	Namita Mittal	MNITJAS101	Computer Science and Engg.	Secure & Interoperable Blockchain Framework for Demand Response in Smart Grids	Development of a Digital Twin for Demand Response Testing
2	mtripathi.cse@mnit.ac.in	Meenakshi Tripathi	MNITJAS137	Computer Science and Engineering	AI in Cyber Security	Application Development
3	jgrover.cse@mnit.ac.in	Jyoti Grover	MNITJAS256	Computer Science and Engineering	AI/ML based solutions for Network Security	Design of Cyber Security Awareness App
4	pbhatt.hum@mnit.ac.in	Dr Preeti Bhatt	MNITJAS136	Humanities and Social Sciences	Ecocritical Readings of Literature and Other Media	
5	nidhib.hum@mnit.ac.in	Dr Nidhi Bansal	MNITJAS257	Humanities and Social Sciences	Women in Science: A Sociological Study	Women in Science: A Sociological Study
6	sundeep.dms@mnit.ac.in	Dr. Sundeep Kumar	MNITJAS357	Maanagement Studies	Impact of MGNREGA/Government schemes on Economic Development	Use of Smart/Digital Technologies For City Management
7	aakanksha.dms@mnit.ac.in	Aakanksha Kataria	MNITJAS302	Management	Case Development	Social Entrepreneurship
8	ayush.dms@mnit.ac.in	Dr. Ayush Gautam	MNITJAS386	Management Studies	Supply chain Analytics	Business Analytics
9	kushal.maths@mnit.ac.in	Dr Kushal Sharma	MNITJAS265	Mathematics	Modeling and Simulation of Non-Newtonian Flows	
10	geetanjali.maths@mnit.ac.in	Dr. Geetanjali Chattopadhyay	MNITJAS346	Mathematics	Semi-analytical modelling and CFD simulation of non-Newtonian fluid flow over superhydrophobic surfaces	Analysis of thin film flows down inclined planes with weighted residual techniques
11	mkumar.phy@mnit.ac.in	Manoj Kumar	MNITJAS233	Physics	Synthesis of Bismuth based Quantum Materials	Synthesis of High-Tc Superconductors
12	rsinghal.phy@mnit.ac.in	Rahul Singhal	MNITJAS169	Physics	Metal-Carbon Nanocomposite for Optical Applications	
13	kavita.phy@mnit.ac.in	Dr. Kavita Lalwani	MNITJAS232	Physics	Innovating Radiation Shields for Deep Space Exploration.	Geant4 Simulations for High Energy Physics Applications.
14	kawasthi.phy@mnit.ac.in	Dr. Kamlendra Awasthi	MNITJAS	Physics	Functional Materials for flexible Gas Sensor	

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APPLICATION FORM

FOR MNIT SUMMER INTERNSHIP PROGRAMME

1. Name of the applicant:

2. Date of birth:

3. E-mail address:

4. Mobile number:

5. Name & address of the institute:

6. Certificate from the head of the institute/department head for permission to carry out the work in MNIT Jaipur attached? (Yes / No):

7. Supervisor/Mentor ID and Name of Faculty and Topic:

Supervisor/ Mentor id	Name of Faculty	Topic

8. Internship Details

a. Duration of Internship (in weeks):

b. Date of Start of Internship:

9. Educational qualification:

a) Secondary Education:

Name of Exam.	Year	Percentage of Marks	Subject/ Branch	Institute from which passed	University/ Board

b) Higher Secondary Education/Diploma in Engineering:

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Name of Exam.	Year	Percentage of Marks	Subject/Branch	Institute from which passed	University/Board

c) Graduation Degree :

Name of Exam.	Year	Percentage of Marks/CGPA*	Subject/Branch	Institute from which passed	University/Board

*Self-certified hard copy of mark sheet is given up to which semester/year:

d) Master Degree

Name of Exam.	Year	Percentage of Marks/CGPA*	Subject/Branch	Institute from which passed	University/Board

**Self-certified hard copy of mark sheet is given up to which semester/year:

NOTE:

Eligibility criteria:

- Regular full-time students who have completed a minimum of their 4th semester/ 2nd year UG course can apply. Accordingly, they have to submit a copy of the mark sheet.
- PG degree students can also apply.

Mandatory Requirements:

Attach the following documents:

- ✓ Original approval/forwarding letter from the head of the parent institute/training & placement officer.

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- ✓ Self-certified photocopy of ID card issued by your parent institution.
- ✓ Self-certified photocopy of mark sheets from 10th onwards.
- ✓ Self-certified photocopy of pass certificates from 10th onwards.

The application will be rejected under the following conditions:

- ✓ Incomplete application.
- ✓ Non-submission of relevant documents.
- ✓ Application without signature.

Signature of the Applicant

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On Institute Letter Head

To whom so ever concern

.....Name of the student Student Institute Id: is a bonafide student in the department of of theinstitute name..... and is presently studying in the semester

It is requested that suitable training/internship opportunity may kindly be provided to the student at your esteemed organization.

Signature with Seal

(Head of the institute /department where student is registered)