

Objective of the Summer Internship Program

The aim of this internship is to build basic fundamental concepts of electrical engineering with orientation towards practical application. A whopping number of engineering students graduate every year. It is easy to get lost in the crowd if they do not upgrade their skills and fundamental concepts. The course is developed with different learning techniques for a different type of students that helps them in understanding, formulating, analyzing and solving a variety of electrical engineering problems. Students will get to learn at their own pace and they can cover up each concept from the subjects that they missed out at college. Expertise on fundamental principles will help students for the full range of career opportunities in the high technology marketplace, enabling them to reach their fullest potential as a professional and as a member of society.

Course Content

The major course contains of the program are:

- Basics of Electrical Machines
- Basics of Power Systems
- Introduction to systems theory and basic definitions.
- Linearization of non-linear systems
- Impulse response and transfer functions
- Time and frequency responses and its importance
- Fundamentals on stability, controllability and observability of systems
- Analysis of system using signals.
- Different transforms on signals and their applications
- Fundamentals of Integrated Electronics
- Hands on experience with MATLAB
- Basics of Network Theory
- Industrial Visit

Eligibility / Target Audience

This summer internship program is targeted towards UG, PG students and Faculty of Govt. / Govt. aided / self- financed engineering colleges who have interest in learning and applying the fundamentals of the Electrical Engineering. All the undergraduate students who are appearing in the 4th and 6th semester examinations are also eligible to apply.

How to Apply / Registration

Fees for all(EE/ EEE/ EC)

12000/-plus GST charges additional.

Fee shall be paid by Demand Draft in favour of “Registrar, MNIT Jaipur” payable at Jaipur. Duly filled application by student in the prescribed format and sponsored by the respective Head of Department, may be sent to the Coordinator so as to reach on or before 22th April 2019. The applicant may also send an advance scanned copy of the application form and DD- copy through E-mail. The selection is on first come first served basis depending upon the availability of the seats. Registration charges are non-refundable for selected participants. The registration is to be done by filling the google doc form at the link: <http://bit.ly/2Kgw5nw>

Registration Form

Summer Internship Program

on

Fundamentals of Electrical Engineering-Learn to Build Up

20th May – 5th July 2019

Department of Electrical Engineering
MNIT Jaipur – 302 017 Rajasthan

Name: _____

Category (UG/PG): _____

Branch: _____

Year of Study: _____

Department: _____

Institute: _____

Mailing Address: _____

Phone (M) _____ (O) _____

E-Mail: _____

Accommodation required? **Yes/ No**

Registration fee Details

Draft No./NEFT/IMPS Transaction no.
_____ Dt _____

For Rs _____ in favour of “**Registrar, MNIT Jaipur (TEQIP Phase-III)**” is enclosed.

A/c no.36875887782, IFSC code: SBIN0015921

The above information provided is true and to the best of my knowledge. If, selected, I agree to abide by the rules and regulations of the program and MNIT Jaipur.

Date: _____ **Signature of Candidate**

The applicant will be permitted to participate in the above program, if selected.

Date: _____ **Signature of HOD with Seal**

About MNIT Jaipur

Malaviya National Institute of Technology Jaipur (Deemed University) is one of the premier NITs, designated with the status of "Institute of National Importance" by MHRD. The institute was established in 1963, and its campus spreads over 325 acres of lush green area in the central location of Jaipur city. The institute offers undergraduate and postgraduate courses (B.Tech., M.Tech. /MBA/ M.Sc. & Ph.D.) to about 4500 students, in leading fields of engineering, technology, architecture, management & sciences. Through the internationally renowned faculty, laboratories with state of art equipments and excellent infrastructure, the institute is actively engaged in research, consultancy and developmental activities, besides imparting regular teaching.

Electrical Engineering Department

The Department is one of the oldest departments of the institute, offering a fine blend of experience and innovation in teaching. Presently, offering under-graduate and post-graduate studies in Electrical Engineering and Power Systems & Power Electronics Engineering, respectively. The department is home to over 35 research scholars, pursuing Ph.D. in varied fields of Electrical Engineering. The department provides a life-long learning experience, through its state of art laboratories, vast pool of courses, and industry-orientation. A strong collaborative framework with reputed universities in India and abroad, the department offers ample opportunities for individual growth.

About Jaipur

The city of Jaipur also known as Pink City and is the capital and largest city of Rajasthan. Jaipur has the attractions like Hawa Mahal, Amber Fort, Jaigarh Fort, Nahargarh Fort, Jal Mahal, Kanak Vrindavan Valley, City Palace, Jantar Mantar, Albert Hall Museum, Sisodia Rani Garden, Govind Devji Temple, Birla Temple, etc.

BENEFITS TO THE STUDENT INTERNS

- Individual Batch-wise staff Allocation & Assistance
- Materials cum Certifications
- Hands on Oriented Training – Preparing for Basics on their domain, and Coding.
- Certificate on Internship Completion / Implementation

Organizing Committee

Patron

Prof. Udaykumar R Yaragatti, Director, MNIT-Jaipur

Program Coordinators

Dr. Rajive Tiwari, Professor, Department of Electrical Engineering, MNIT-Jaipur

Dr. Hemant Kumar Meena, Assistant Professor, Department of Electrical Engineering, MNIT-Jaipur

Dr. Neeli Satyanaryana, Assistant Professor, Department of Electrical Engineering, MNIT-Jaipur

Accommodation

Limited accommodation is available in the MNIT Hostels for outstation participants on nominal charge and first come first serve basis. The participant will not be paid any TA/DA. Charges of Institute Hostels are approximately **Rs. 200/- per day** including food and accommodation.

Dates to remember

Last date of receiving complete registration form	10th May 2019
Confirmation of selection by E-mail	13th May 2019
Internship Duration	20th May to 5th July 2019

Address for Communication

Dr. Hemant Kumar Meena/

Dr. Neeli Satyanaryana

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Self-financed Summer Internship Program under TEQIP-III

*Fundamentals of Electrical
Engineering-Learn to Build Up*

20th May to 5th July 2019



Organized By

**Department of Electrical Engineering
Malaviya National Institute of Technology
Jaipur- 302 017 Rajasthan- India
(www.mnit.ac.in)**