



Modi Institute of Technology, Kota

An Engg. College Approved by AICTE & Affiliated to RTU

Branches: B.Tech- ME / EE / ECE / CS/ AI&DS&M.Tech – Digital Communication

Nayagaon, Rawatbhata Road, Kota – 324010, Raj. M. No- 7665439788,

Website: www.mitkota.com Email: mitkota1@gmail.com

Department of Electrical Engineering

Introduction

Programs Offered: Bachelor of Technology in Electrical Engineering (UG)-4 Years (8 Semester Course)

Electrical Engineering is an engineering subject concerned with the study, design and applications of devices, apparatus, and systems which use electricity, electromagnetism, and power electronics. The Department of Electrical Engineering was established in the Year 2004 with a sanctioned intake of 60 students and sanctioned intake of 120 in the year 2012.

The Department has been equipped with high-quality infrastructural facilities and is outfitted with full fledged laboratories such as Basic Electrical lab, Electrical Machines lab- I and II, Power Electronics lab, Electrical Measurements lab, High Voltage Engineering lab and Computer Based Power System Lab. Also, the department has audio visual facilities with projector setup for efficient teaching.

As per the RTU Curriculum and Syllabus, various kinds of Industrial Visits are arranged for students. The faculties of EE-Department are well qualified and experienced with academic and industrial capability. The faculty members are constantly contributing well in teaching and research. Faculty members are often awarded for their outstanding teaching and publications, and research contributions in their fields.

Our major aspire is to instruct understanding with inventive thoughts to the students in the teaching-learning procedure. In the teaching-learning procedure, the students are given assignments and are made to work out exercise questions to prepare themselves for the assessment.

Our pass out students or alumni have qualified many campus interviews and now working in both government and private sector companies with handsome salary package.

Best Practices

- 1. Lecture Delivery System:** Faculties used traditional way of teaching using blackboard/white board as well as upgraded versions of teaching using overhead projector through power point presentation and video lectures. Online teaching is also used via Google meet and Zoom platform.
- 2. Peer Tutoring:** Tutorial classes for all students and remedial classes for the slow learner students are also be handled by the faculty members
- 3. Online Courses:** Students as well as faculties are motivated to participate in online courses from ATAL, Swayam, NPTEL and Internshala and Coursera platforms. Course selection can be based on curriculum, values, ethics, skill development, communication skills etc.



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4. **Project Assistance:** As a part of curriculum, department provides exposure to the students to work on projects with team effort. It enables them to apply the technical skills they have gained and expand their abilities in analysis-based innovation and engineering judgment. As their projects take form, student teams enable to write formal documentation and make presentations of their work under the guidance of their faculty mentors.
5. **Industry Mentorship:** Various expert lectures, student workshop and industrial visits are provided to students to ready them for industrial requirement, updated with current technology and future trends. Experts of various field domain from various industries help the students with their guest lectures, workshops and student training program. They are usually called / invited as reviewer for providing their ideas for innovations and reviewing their projects work etc
6. **Skill Development:** For the overall development of students, department conducted various activities like quiz competition, essay writing, debate, extempore, mock interviews, role play etc. Students can participate in cultural activities and NSS held in college.

Eligibility

The minimum eligibility criteria to take admission in B.Tech. 1st Year in Electrical Engineering branch is that the students must pass class 12th with Physics, Chemistry and Mathematics subjects with at least aggregate 45% marks for GEN / OBC / SBC category and 40% aggregate marks for SC / ST students from a recognized school / Board or students may take the admission in B.Tech. 2nd (III Semester) in EE branch directly if he will be pass out student of 3 years Polytechnic Diploma Course from recognized Technical Board for which the same percentage criteria as mentioned is considered.

Examination Scheme: Semester wise

Duration of the Course: Four Year

Admission

As this is the affiliating Institute, the following admission processes followed by RTU Kota are as follows:

- REAP (Rajasthan Engineering Admission Process) for Admission in B.Tech 1st Year onwards.
- LEEP (Lateral Entry in Engineering Program for Admission in B.Tech. 2nd year onwards.
- CAM (Centralized Admission for M.Tech.) for admission in Digital Communication.



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Major Achievements: Research Publications > 100 (Last Five Years)

Activities

The following activities have been conducted in MIT Kota:

- In-House Training Programme on 3D- Printing Collaboration with SIAT, Kota from 2 July-15 July 2019)
- Occasion of Guru Purnima on 16-07-2019
- Induction Programme for First Year Students on 17 August 2019
- “Degree Distribution Ceremony” on 19 August 2019
- “Plantation” At MIT on 22 August 2019
- International Seminar on “Soft Skills” on 30 August 2019
- Seminar Conducted By “Red Hat Academy” on 3 September 2019
- Radio City 91.1 Fm Had Organized an Activity for Finding The Samsung Young Innovators Contest on 18 September 2019
- Shri VishwakarmaJayanti Celebrated At MIT on 17 September 2019
- “Dandiya Function” on 1 Oct 2019
- Technorion Zonal Workshop on “Robotics” By Industrial Hub Technology in Association with IIT Bombay on 03 Oct 2019
- Workshop on MATLAB by Softcon India Pvt. Ltd. on 11 Oct 2019
- Three Days Entrepreneurship Awareness Camp on 14 Oct 2019
- Pool Campus Placement Drive by Jaro Education on 17 & 18 October, 2019
- Saras Dairy Plant Visit by R K Sansthan on 21 Oct 2019
- “Constitution Day” on 26 Nov 2019
- Rajasthan Innovation & Startup Expo (‘Rise’) Organized By Depart of It&C, Govt of Rajasthan At MNIT, Jaipur on 19 December 2019
- Interactive Session for “Ms/Mrs. & Mr. Glamour Rajasthan 2020” on 30 Jan 2020
- One Day Seminar on “Industrial Applications of Cad/Cam” on 18 Feb 2020
- “Thar 2020” Organized By RTU, Kota Robotics Show on 1 March 2020



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- Sports & Cultural Week from 2 March to 6 March 2020
- A Cheque Of Rs 2,50,000/- To Hon' Ble Collector Sh. Om Kasera Ji Against The Pandemic Situation Arising Due To Corona For Food And Other Necessities Of Needy People On 25 March 2020
- Live Launch Of “Artificial Intelligence & Data Science” on Tuesday, 30 June-2020
- “Talk with Youth By Heroes of MIT” on 5 July 2020
- Plantation on International Girl Children’s Day, 12 Oct 2020
- “Corona Jagruk Reilly Mask Distribution Program “Organized By The Joint Venture Of Modi Institute Of Technology, Kota And Municipal Corporation, Kota On 19 Oct 2020
- “Dipawali Milan Samaraoh” on 12 Nov 2020
- “Online Induction Program – 2020” on 5 Dec 2020
- Go Cart Designed By MIT Students
- Expert Lecture On “Maintenance Engineering” In Mechanical Department At MIT, Kota On 6 Jan 2021
- “Pre Placement Talk” By Dr. Ruchika Dave of Reliable Soft Technologies Pvt Ltd at MIT, Kota on 29, January, 2021
- Five Day Workshop on “Emerging Technology in Industrial Automation” From 1 Feb-5 Feb 2021
- Six Days Workshop on “SELP” From 12 March-17 March 2021
- Covid-19 Vaccination Camp Held on 10th April 2021
- One Day Webinar on “Heart Rate Variability and Applications” on 11 May 2021
- One Day Webinar on “AWS Cloud Services” on 22 May 2021
- One Day Webinar on “Advanced Technology In Automobile And E-Vehicles” on 05 June 2021
- One Day Online Webinar on “Project Management & Customer Support” on 19th June, 2021,
- MIT Kota has organized a Live Yoga Class/Demo on International Yoga Day (21 June 2021).
- MIT Kota has organized a Five Days National Online Workshop on “Present Scenario and Recent Trends in Engineering and Technologies” Phase-1 (PSRT, February-2022) from 1st February, 2022 to 5th February, 2022.



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- MIT Kota, Evershine Honda and HMSI have organized a three days workshop and hands-on training on “Road Safety Activities” from 14th December 2022 to 16th December 2022.
- MIT Kota and SCRS have organized a two days Scopus Indexed International Conference on “Control, Robotics and Mechatronics” (CRM-2023) with Springer as publication partner from 25th to 26th March, 2023.
- MIT Kota has organized a “Intercollege Poster Presentation Competition” on March 25, 2023 . The Theme of Competition is “Engineering, Science, Management and Law”.
- MIT Kota and Bureau of Indian Standards (BIS) Jaipur Branch have organized a “Standard Writing Competition” on 31st July, 2023.
- MIT Kota has organized 15 Days In-House Training and Hands on on “ Web Designing: Understanding a Journey from Static To Dynamic Web” from August 18, 2023 to 5 September, 2023.
- MIT Kota has organized the “Orientation Day” on September 8, 2023 for the New Commers Students.
- MIT Kota Has organized the 21 Days Induction Program For New Commer Students of First Year on September 8-28, 2023
- MIT Kota has organized the Gandhi Jayanti and Lal Bahadur Jayanti on October 2, 2023 in which Debate, Essay writing, and speech Competitions have been organized.
- MIT Kota has organized an Expert Lecture on Importance of Analytical Skills and Art of Presentation with Public Speaking” on October 4, 2023.
- MIT Kota has organized an Expert Talk on Awareness Session on Career Opportunities on October 6, 2023 in collaboration with Red Hat and RCAT
- MIT Kota and Bureau of Indian Standards (BIS) Jaipur Branch have organized a “Youth to Youth Connect” Campaign on 10th October 2023.
- MIT Kota has organized a Major Event: Dandiya Night-2023 on October 18, 2023 in which thereb were approximately 1000 participants from Kota City.
- MIT Kota has Organized Srijan-2023: An Engineering Quiz Competition in Collaboration with Jaipuria Institute of Management, Jaipur on October 20, 2023.



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Projects

The students of Electrical Engineering Department have designed the following large projects

1. Solar Panel generating a power output of 1 KW.
2. GoKart development.

Mr. Vijay Varshney

(O/C Exam)

Mr. Pankaj Jain

HOD (First Year)

Mrs. Seema Arya

HOD (CSE)

Mr. Jitendra Yadvendra

HOD (EE)

Mr. Abhishek Chattri

Dy. Registrar

Dr. Barkha Gupta

HOD (ME)

Dr. VikasSoni

Principal

Cc to:-

Hon'ble Vice-Chairman Sir for kind information.

Hon'ble Group Director Sir for kind information.

Undersigned.

HOD's & I/C's. / First Year Coordinator.

Registrar Office/NAAC Coordinator/All Member Concerned/Accountant