



# MCKV INSTITUTE OF ENGINEERING

Autonomous Status under UGC Act, 1956

Accredited by NAAC with 'A' Grade

AICTE Approved and Affiliated to MAKAUT, WB

ISO 9001 : 2015 Certified



## SPECTRUM

www.mckvie.edu.in

FEBRUARY, 2020

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"MCKV Institute of Engineering is a self-financing Post Graduate Engineering college in the district of Howrah, West Bengal, India established in the year 1999. The Institute was established with the aim of creating the right kind of opportunity and ambience for educating young minds in the digital era. The Institute has been accredited by NAAC with an 'A' Grade. It is an Autonomous Institute affiliated to MAKAUT, WB and approved by AICTE. It offers NBA accredited programmes in the field of Engineering. The Institute is committed to provide quality education to cater to the diversified needs of the industry as well as the society at large. Under the status of Autonomy on successful completion of the programme the degree will be awarded to the students by MAKAUT, WB.



## Beyond Classroom

- ✓ Student chapters like Society of Automotive Engineers (SAE)
- ✓ Computer Society of India (CSI)
- ✓ The Institution of Engineering & Technology IE(I)
- ✓ Indian Society of Heating Refrigerating and Air Conditioning Engineers (ISHRAE)
- ✓ Technotica- An intra-college Technical fair cum competition
- ✓ NPTEL Partner
- ✓ MCKVIE BOSCH Centre for Auto Electricals & Electronics
- ✓ SAK Robotix Research Centre
- ✓ Rotaract Club
- ✓ National Science Scheme (NSS)



### EARLY ACCIDENT RESPONSE SYSTEM

The objective of this project is to devise a technology which will help the police identify an accident spot and reach out to the victim with the medical support as early as possible. As a result, the chances of survival of the car-accident victim will increase.



### SMART SHOPPING CART(SSC)

To make shopping malls smarter a SMART SHOPPING CART (SSC) is developed that allows customers to take products from shelf and to put in that smart cart by scanning the id of the product. There is a load cell located at the bottom of the cart that helps in verifying the number of products taken.



### SMART BLIND SHOE

Presently, very popular and congested areas located in different parts of the country make it difficult for the peoples to walk. Even it becomes more difficult for the blind or physically handicapped people to do so. Self controlled smart shoe system provides the most modern solution to all blind people.



### SAFE DRIVING IN A SMART CAR USING SAFETY GLASSES

Anyone who cannot drive properly or has difficulty using the steering and gear function, can sit on the back seat and control the car with his own mobile phone easily. The safety glasses are there to help the user prevent drowsiness. Whenever the user will feel sleepy and drowsy, the system will inform and wake the user up by buzzing.



### SMART HOME

The smart phones can be utilized to operate and control the different electrical devices. This is the basic idea behind smart homes. The arrangements available in market to help in operation of household appliances is for a maximum of 2(two) devices. The bluetooth software preinstalled in the developed handset is used in monitoring the whole household appliances at one go.



### Design and Manufacturing of an Electric Vehicle (eBAJA)

Students of MCKVIE designed and manufactured electric powered off-road vehicle to participate e-BAJA, an SAE sponsored National level inter college competition. The team has successfully cleared stringent technical inspection round and their performance was highly appreciated by the organizers. The team received a subsidy catering to battery cost of Rs. 100000/- from SAE India as token of appreciation.

# SPECTRUM Why MCKVIE?

- NAAC Accredited 'A' Grade Institute
- NBA Accredited Programmes
- Modern Infrastructure
- Qualified & Experienced Faculty
- Good & Consistent Placement Record
- Collaboration with the Industry & Academic Institutes of Repute
- Innovation & Entrepreneurship Cell
- Guest lectures by Academicians & Industry Personnel
- Strong Alumni Network across the globe
- Nationally & Internationally acclaimed student chapters
- Extra-Curricular, Co-Curricular and Outreach Activities

## CAREER SCOPE

TRAINING TO MAKE  
INDUSTRY READY

Activities of the Training & Placement Department of MCKVIE is diverse and yet focused towards its core value and play a significant role in the following areas :

- Arranges Summer/Industrial Training for the 2nd & 3rd year B.Tech & MCA students at reputed organizations.
- **Networking with the industries for placement opportunities & Industry Institute partnership.**
- Organizes various industry oriented Seminars/Workshops, mock-interviews/ Group discussions for building up the confidence of the students.
- **Encourages students to participate in various technical competitions; like TCS-EnginX, TCS-Encode, Mahindra Igniters -Infosys INFYTO, Case study contest, etc.**
- Invites lectures from industry personnels to the campus to address the students regarding different industry aspects.
- **MCKVIE-TATA POWER MOU for Training & Industry Visits.**

## Programmes Offered

### B. Tech

- Automobile Engineering
- Electronics & Communication Engineering (NBA Accredited)
- Computer Science & Engineering (NBA Accredited)
- Information Technology (NBA Accredited)
- Electrical Engineering (NBA Accredited)
- Mechanical Engineering (NBA Accredited)

### M. Tech

Electronics & Communication Engineering with specialization in Communication

## Facilities



State-of-the-art Infrastructure | Highly Qualified Faculty | Wi-Fi Campus | Hostels | Remote Classroom | Digital Central Library | Innovation & Entrepreneurship Cell | Cafeteria | Multi-Gym | Meditation Hall | NPTEL Lab | Students' Scholarship | Bank Loan Assistance

## Bonding with the Past



The institute remains in constant touch with the individual alumnus to organize seminars and workshops. They deliver lectures to share their knowledge with the teachers and the students for making them aware of recent trends in industry. They also participate in the annual alumni meet and interact with the teachers and the institute authorities to provide ideas and suggestions with regard to improving methodologies of imparting engineering education and training to the budding engineers for making them better future leaders.



## Get Placed with Top Level Industry



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