



## **COURSES OFFERED**

### **U.G. COURSES**

- ★ B.Tech. (Computer Sc. & Engg.)(NBA Accredited)
- ★ B.Tech. (Electrical Engg.)(NBA Accredited)
- ★ B.Tech. (Mechanical Engg.)
- ★ B.Tech. (Artificial Intelligence)
- ★ Bachelor of Computer Applications (B.C.A.)
- ★ Bachelor of Business Administration (B.B.A.)

### **PG. COURSES**

- ★ M.Tech. (Computer Sc. & Engg.)
- ★ Masters of Business Administration (M.B.A.)



# **VAISH COLLEGE OF ENGINEERING**

Affiliated to Maharshi Dayanand University, Rohtak

Approved by AICTE, New Delhi

One of the first Self Financing Institute of Haryana

**RUN BY: VAISH EDUCATION SOCIETY(REGD.), ROHTAK**

# About Vaish Education Society



Vaish Education Society came into existence in the year 1919. The foundation stone of its first institution- Vaish High school (later on upgraded to Vaish Senior Secondary School) was laid down by Mahatma Gandhi Ji, the father of the nation, on Feb 16, 1921 and in this way the VES has the honour of being the only institution in the country to achieve this distinction. Today this society has become one of the biggest, in the country having 25000 life members on its roll. The society has presently twelve dynamic institutions working under its banner and caters to the need of around 12000 students.

The society is committed to disseminate quality education at various levels in different fields through the institutions. The society established Vaish College of Engineering in 1995 with an objective to develop and spread technical education in Haryana and around.



# About Vaish College of Engineering



Vaish College of Engineering, affiliated with M.D. University and approved by All India Council for Technical Education (AICTE) is a premier institution established in 1995 and is one of the First Self-Financing Colleges of Haryana. The campus is delightfully planned and landscape with impressive buildings, lawns, playgrounds, and shaded avenues. It comprises 16.77 acres of land which is a part of Vaish Educational Complex spread over an area of 86 acres. College offers a Comprehensive range of engineering and management programs such as Computer Science and Engineering (CSE), Mechanical Engineering (ME), Electrical Engineering (EE), Artificial Intelligence (AI), Bachelor of Business Administration (BBA), Bachelor of Computer Applications (BCA), Master of Technology (M.Tech) and Master of Business Administration (MBA). With accreditation from the National Board of Accreditation (NBA), the college upholds rigorous academic standards and excellence. Among its various engineering departments, Computer Science and Engineering (CSE) and Electrical Engineering (EE) stand out as accredited programs, reflecting the institution's commitment to quality education and industry relevance. Through innovative teaching methodologies and state-of-the-art facilities, Vaish College of Engineering nurtures aspiring engineers, equipping them with the skills and knowledge to thrive in today's dynamic technological landscape.

# Vision & Mission

## OUR VISION

To become one of the best-known private Engineering and Management Colleges in the country producing professionals of world class standards contributing to the growth of the country.

## OUR MISSION

- 1) To prepare students to sustain and grow in digital world through extensive use of ICT to be employment ready with ethical values and environment consciousness.
- 2) To encourage startups, research, and innovations among students.
- 3) To start new programs in cutting edge technologies based on the industry needs.
- 4) Improve publications and continuous upgradation of skills for teachers through trainings in latest pedagogy and contents.

## UG Courses



B.Tech.  
**COMPUTER SCIENCE  
& ENGINEERING**  
(180 Seats)



B.Tech.  
**ARTIFICIAL  
INTELLIGENCE**  
(30 Seats)



B.Tech.  
**MECHANICAL  
ENGINEERING**  
(30 Seats)



B.Tech.  
**ELECTRICAL  
ENGINEERING**  
(30 Seats)



(BBA) BACHELOR OF  
**BUSINESS  
ADMINISTRATION**  
(60 Seats)



(BCA) BACHELOR OF  
**COMPUTER  
APPLICATION**  
(120 Seats)

## PG Courses



M.Tech.  
**COMPUTER SCIENCE  
& ENGINEERING**  
(18 Seats)



(MBA) MASTERS OF  
**BUSINESS  
ADMINISTRATION**  
(120 Seats)

# Eligibility And Admission Process

## UNDER GRADUATE DEGREE PROGRAMMES (FULL TIME)

### PROGRAMME

### DURATION

#### ENGINEERING AND TECHNOLOGY (B.TECH.)

4 Years

Passed 10+2 examination with Physics and Mathematics as compulsory subjects along with one of the chemistry/ biotechnology/biology/technical vocational subject/computer science/information technology/informatics practices/ agriculture/Engineering Graphics/ Business studies. Obtained at least 45% marks (40% in case of candidates belonging to reserved category) in the above subjects taken together.

#### ENGINEERING AND TECHNOLOGY (Lateral entry to Second year)(B.TECH.)

3 Years

A. Passed Minimum 3-years / 2-Years (Lateral Entry) Diploma examination in any branch of Engg. & Tech. with at least 45% marks (40% marks in case of candidates belonging to reserved category).

OR

Passed B.Sc. Degree from a recognized University as defined by UGC, with at least 45% marks (40% in case of candidates belonging to reserved category) and passed 10+2 examination with Mathematics as a subject.  
B. For Kashmiri Migrants (KM) relaxation in cut-off percentage upto 10% subject to minimum eligibility requirement.

#### BCA (Bachelor Of Computer Application)

4 Years

Senior Secondary Examination (10+2) with atleast 45% marks (42.75% marks for SC/ST/ Blind/ Visually and Differently Abled candidates of Haryana only) in aggregate from Board of School Education Haryana, Bhiwani or any other examination recognized by M.D. University Rohtak as equivalent thereto. OR Three years Diploma Program conducted by the State Board of Technical Education or any other examination recognized by the State Board of Technical Education as equivalent thereto.

#### BBA (Bachelor of Business Administration)

4 Years

Senior Secondary Examination (10+2) with atleast 50% marks (47.5% marks for SC/ST/ Blind/ Visually and Differently Abled candidates of Haryana only) in aggregate from Board of School Education Haryana, Bhiwani or any other examination recognized by M.D. University Rohtak as equivalent thereto. OR Three years Diploma Program conducted By the State Board of Technical Education or any other examination recognized by the State Board of Technical Education as equivalent thereto.

## POST GRADUATE DEGREE PROGRAMMES (FULL TIME)

#### ENGINEERING AND TECHNOLOGY (M.TECH.)

2 Years

B.E./ B.Tech. or equivalent degree in Computer Science & Engineering/ Computer Engineering/ Information Technology/ Electronics & Communication Engineering/ Electronics Engineering / Electrical & Electronics Engineering/ Electronics & Instrumentation Engineering / Electrical Engineering or Master of Computer Applications (MCA) or M.Sc. (Computer Science/IT/ Software) or M.Sc. (Mathematics.) or M.Sc. (Physics) with at least 50% (47.50% marks for SC/ST candidates of Haryana only) marks in aggregate.

#### MANAGEMENT (MBA)

2 Years

Bachelor/ Post Graduate Degree in any discipline with not less than 50% marks (47.5% marks for SC/ST/ Blind/ Visually and Differently Abled candidates of Haryana only) in aggregate or any examination recognized by M.D. University, Rohtak as equivalent thereto.

**IF ANY CHANGES IN ADMISSION CRITERIA FOLLOW A.I.C.T.E, D.T.E & M.D.U GUIDELINES.**



The Department of CSE was established in the year 1995 offers an UG program (B. Tech.) as well as a PG program (M.Tech.) in CSE. Both the programs are duly approved with an intake of 180 seats for B.Tech and 18 seats for M.Tech. The department is bestowed with an experienced team of faculty members with excellent academic records. The teaching methodology in the department goes beyond fulfilling the syllabus requirements of the university to meet today's industry needs. Fully wi-fi campus with excellent infrastructure, one Computer center, and twelve Computer labs with the latest advances in technology & comprehensive study material make the department class apart. The department has smart classrooms with Audio-Visual aids and a seminar hall to enhance the analytic & communication skills of students with the mission of inculcating value-based, socially committed professionalism for the overall development.

### CAREER OPPORTUNITIES

- Strong employment growth combined with a restricted supply of qualified professionals foresees incredible employment
- Computer Engineers have brilliant career prospects in diverse areas like information security, sales user support, software development and programming, system and network administrator, research and development, data protection, software and hardware management and controlling.
- Computer Engineers can find career opportunities in software development, cloud computing, cybersecurity, networking, and data science as well as in emerging fields like artificial intelligence, blockchain and machine learning.
- Computer Engineers can create video games for home computers, writing code for games, and testing video games.
- Computer Engineers can develop blockchain solutions for the secure transfer of values and automatic execution of business deals.



Industrial Visit



Project Hackathon



Expert Talks



Electrical Engineering Department is running since 1995. The department has seventeen well equipped laboratories with the most modern instrument. Apart from the conventional classroom teaching, students are encouraged to practically implement fundamental principles learnt in classroom through experimentations in the laboratories.

Department of Electrical Engineering also provides facilities of S/W and H/W to meet our latest trends in technology. Students are encouraged to take dissertation as per latest electrical field. Faculty along the students are involved in interacting with industry as well as prominent institutes such as IIT's and NIT's. Students / faculty members present their work in National/International Level Conferences and Journals.

### CAREER OPPORTUNITIES

- Renewable Energy & Smart Grids: Solar/Wind Energy Engineer, Smart Grid Architect, Energy Storage Specialist.
- Artificial Intelligence (AI) & Machine Learning (ML) Roles: IoT Solutions Architect Embedded Systems Developer, Connectivity Engineer, AI Hardware Engineer, ML Algorithm Developer, Data Scientist.
- Automation & Robotics Roles: Robotics Engineer, Automation Systems Designer, Control Systems Specialist.
- Electric Vehicles (EVs) & Charging Infrastructure Roles: Energy Storage Specialist, Project Engineer, Battery charging Engineer.
- Postgraduate Specializations: Advanced degrees in areas like Power Systems, Renewable Energy, Robotics, or AI can enhance expertise and open specialized career paths.



Industrial Visit



Workshop



Expert Talks



# Department of Mechanical Engineering

We offer B.Tech (ME). Mechanical Engineering is a discipline of Engineering that is concerned with the working mechanisms of heavy tools and machineries. It applies the principles of Physics and Material Science for analysis, design, manufacturing and maintenance of mechanical systems.

Students are introduced to Science & Art of formulation, design, development and control of systems, with involving Thermo- dynamics, Mechanics, Fluid Mechanics, mechanisms and conversion of energy. Students are constantly guided by faculty of national and International repute, who are also members of prestigious Engineering societies.



## CAREER OPPORTUNITIES

There is tremendous scope for Mechanical Engineers in industries including Aerospace, Automotive, Biomedical Chemical Computers, Electronics, Fossil and Nuclear Power, Manufacturing, Pharmaceutical, Robotics and Textiles design. Also Scope in testing and evaluation, manufacturing, operations & maintenance, Public sector units like Railways, ONGC, Indian Oil, ISRO.



# Department of Mechanical Engineering

## Industry Interaction



## Experts Talks



## Workshop/Seminar



# Department of Artificial Intelligence

The Department of Artificial Intelligence offers a cutting-edge Undergraduate Program (B.Tech). The program is duly approved with an intake of 30 seats for B.Tech (AI). The department is bestowed with an experienced team of faculty members, boasting excellent academic records and proficiency in areas like Machine Learning, Deep Learning, Data Analytics, Natural Language Processing, Computer Vision, and Robotics. This program blends theoretical foundations with practical applications to prepare students for the AI-driven future.

Our fully wi-fi campus offers excellent infrastructure, including a dedicated computer centre and state-of-the-art computer lab equipped with the latest high end computer systems in AI technology and comprehensive study material, making the department distinguished. The department also features smart classrooms with Audio-Visual aids and a seminar hall to enhance the analytical and communication skills of students, all with the mission of inculcating value-based, socially committed professionalism for the overall development of students and society.

## AI CAREER OPPORTUNITIES

- Machine Learning Engineer
- Data Scientist
- Quantum AI
- NLP Engineer
- Computer Vision Engineer
- Robotics Engineer
- Prompt Engineer (Gen-AI)
- AI for IoT



# Department of Artificial Intelligence

## Industry Interaction



## Workshops/Seminars



## Experts/Alumni Talks



# Department of Bachelor of Computer Applications

Vaish College of Engineering, Rohtak offers a 4-year, full time regular, Bachelor of Computer Applications (BCA) program based on curriculum under the National Education Policy (NEP)-2020 credit framework approved by AICTE, New Delhi & Govt. of Haryana and affiliated to Maharshi Dayanand University, Rohtak. The course structure includes major discipline-specific courses, minor vocational courses, multidisciplinary courses, ability enhancement courses, skill enhancement courses, internships, dissertations, and value-added courses. Summer Internships have been embedded to make the student understand the industry requirements and have hands-on experience. These programs are meticulously crafted to meet the demands of the modern business world, integrating theoretical knowledge with practical application. Emphasizing innovation, entrepreneurship, and ethical social leadership, the curriculum aims to develop well-rounded individuals capable of driving organizational growth, fostering sustainable practices, and contributing positively to society. With a focus on interdisciplinary learning, experiential learning methodologies, and industry-relevant projects, these programs seek to instill critical thinking, problem-solving abilities, and effective communication skills in students.

## CAREER OPPORTUNITIES

- Software Developer
- Web Developer
- System Analyst
- Database Administrator
- Network Administrator
- Cyber Security Analyst
- App Developer
- IT Support Executive
- Data Analyst
- Cloud Support Engineer



# Department of Bachelor of Computer Applications

## Industrial Visit



## Workshops/Expert Talks



## Departmental Activities



# Department of Management Studies

We offer PG Program in 2 Years MBA (Dual Specialization in HR, International Business, Information Technology, Business Analytics, Marketing and Finance Management) and UG Program in 4 Years BBA under NEP 2020 in our department. The programs emphasize practical experiences for which extensive interaction with the industry is built. These programs are more than an academic pursuit- it's a commitment to nurture and train students with the skills required to navigate diverse sectors of the economy. The diversity in our course curriculum fosters academic flexibility by promoting innovation, creativity, resilience and adaptability qualities in students for facing the challenges of the contemporary business world.

The primary focus of our department is to prepare students for the demands of the modern industry. We are committed to provide comprehensive support to ensure the successful placement of all our students

## CAREER OPPORTUNITIES

Some roles for which our graduates and post graduates are placed include

- Startups and Entrepreneurs
- HR Manager
- Project Manager and Policy Analyst
- Financial and Investment Analyst
- Product and Brand Manager
- Strategy Consultant and Business Analyst



# Department of Management Studies

## Industrial/Cultural Visits



## Workshops/Seminars



## Expert/Alumni Talks



# INFRASTRUCTURE

The infrastructure of VCE Rohtak includes various facilities and amenities to support academic, research, co-curricular, and extracurricular activities.



## Academic Blocks & Auditorium

The academic blocks of VCE Rohtak are the hub of intellectual growth and innovation. It has Department office, Laboratories, Smart Class rooms equipped with modern teaching aids such as projectors, smart boards, audio-visual equipment. Also VCE have an auditorium of seating capacity of 900 Persons.



## Administrative Block

Administrative Block at VCE has Principal Office, Conference Room, Administrative Offices, Academic Office, and Admission Cell.



# Various Clubs at VCE

College clubs serve as dynamic hubs of creativity, collaboration, and personal growth within the institution. Designed to cater to a wide array of interests and passions, these clubs provide students with an invaluable opportunities to explore new hobbies, develop leadership skills, teamwork and forge lifelong friendships. There are three clubs in VCE Rohtak- Innovare Technical Club, Vivekanand Cultural Club, and Lala Lajpat Rai Sports Club.

Clubs Structure: These clubs typically have a diverse membership base comprising students as Male and Female Coordinators, Co-coordinators, Incharges, and members from each department and each class. Each club have elected or appointed Faculty Coordinator who oversees its operations, organize activities, and serve as a point of contact for external engagements

## **Innovare Technical Club**

Innovare Technical Club of VCE Rohtak serves as a hub for students passionate about innovation, technology, and problem-solving. As a premier platform for fostering technical proficiency and creative thinking, the club offers a diverse range of activities and events tailored to enhance students' skills and knowledge in various technical domains. By organizing Techno-Management Fest, Techathone, Expert Lecture, Industrial Visits, Workshops, Seminars, and such other events, the club provides invaluable opportunities to students for experiential learning and collaboration. Members have the chance to delve into cutting-edge technologies, engage in interdisciplinary projects, and network with like-minded peers. Whether exploring robotics, coding, electronics, or any other technical field, the club empowers students to explore their interests, expand their horizons, and prepare for future career endeavors in the dynamic world of technology.

## **Vivekanand Cultural Club**

Vivekanand Cultural Club of VCE Rohtak serves as a vibrant hub for fostering diversity, creativity, and mutual appreciation of various cultural expressions. Committed to promoting understanding and unity among students from diverse backgrounds, the club organizes a myriad of events, including annual functions, youth festivals, farewell party, fresher party, music performances, dance showcases, and such other cultural events. Through these activities, students have the opportunity to showcase their talents, learn about different cultures, and forge lasting friendships. Vivekanand Cultural Club also actively participates in community outreach programs, collaborating with local organizations to promote cultural awareness and appreciation beyond the campus borders. By engaging in inclusive and enriching cultural experiences, members of the club not only celebrate diversity but also contribute to the development of a welcoming and inclusive campus environment.

## **Lala Lajpat Rai Sports Club**

Lala Lajpat Rai Sports Club at VCE Rohtak fosters a vibrant and inclusive environment, promoting physical well-being, teamwork, and sportsmanship among students. With state-of-the-art facilities and dedicated coaching staff, it offers a diverse range of sporting activities to cater to the interests and skill levels of students. From Athletic and traditional sports like football, basketball, and cricket to niche activities such as badminton, table tennis, chess, also provides ample opportunities for students to engage in healthy competition and recreational pursuits. The club organizes various tournaments to enhance camaraderie and build a sense of community within the campus. Club commits to have excellence beyond the playing field, as it emphasizes the importance of discipline, perseverance, and fair play.

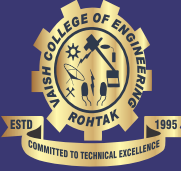
# LIFE @ VCE



*Where Education  
Meets  
Exploration*

*Vce Is  
Creative*

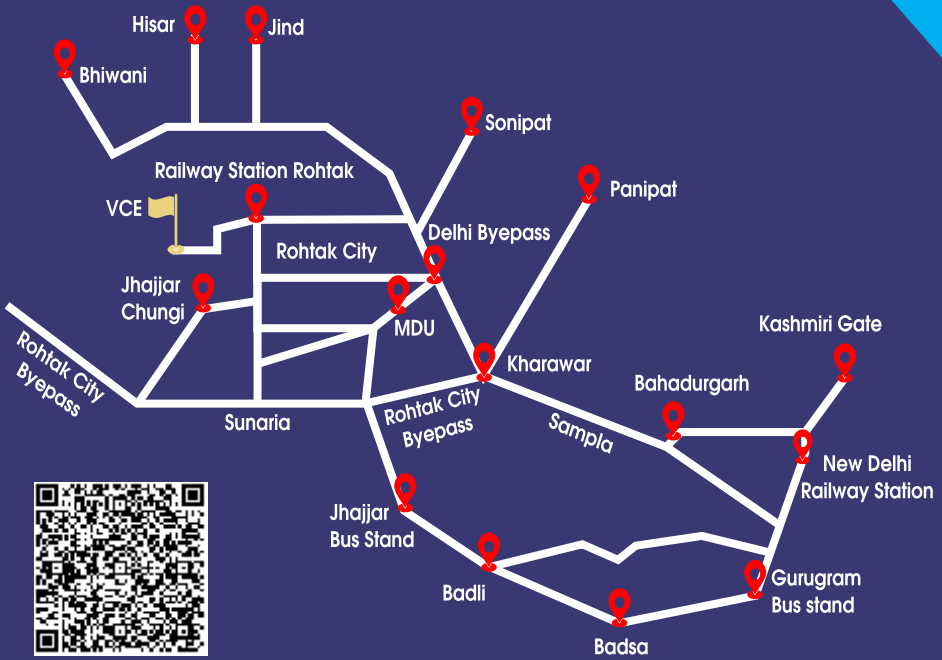
# LIFE @ VCE



*Vce Is Challenging*

*Vce Is Exciting*

# Road Map to VCE



Scan for VCE

## Dr. Deepak Kumar Goyal

Principal

E-mail : [deepak.goyal@vcertk.com](mailto:deepak.goyal@vcertk.com)

## Dr. Mohit Kumar Agrawal

Dean Academics

E-mail : [mohit.agarwal@vcertk.com](mailto:mohit.agarwal@vcertk.com)

## Dr. Vaibhav Jain

Training & Placement Officer

E-mail : [vcetpcell@gmail.com](mailto:vcetpcell@gmail.com)



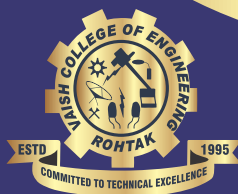
[www.vcertk.com](http://www.vcertk.com)

# Vaish College of Engineering

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# VAISH COLLEGE OF ENGINEERING

One of the First Self Financing Institute of Haryana

RUN BY VAISH EDUCATION SOCIETY (REGD.), ROHTAK  
(FOUNDATION STONE LAID BY MAHATMA GANDHI JI IN 1921)

NEAR RAILWAY STATION, ROHTAK-124001 (HARYANA)

Website : [www.vcertk.com](http://www.vcertk.com)