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Minor Degree programs

Maximize your Academic potential
&
Enhance your Career Opportunities

Minor Degree Programs offered

01 Artificial Intelligence & Machine Learning

02 Cyber Security

03 Data Science

04 Internet of Things

05 Innovation & Entrepreneurship

Branches of Engineering offering Minor Degree Programs

- Civil Engineering
- Electrical & Electronics Engineering
- Mechanical Engineering
- Electronics & Communication Engineering
- Electronics & Instrumentation Engineering
- Automobile Engineering

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Branchwise - Minor Programmes offered

* Innovation & Entrepreneurship is offered by all branches

* Note: From III year onwards

CE	CIVIL ENGINEERING	• Artificial Intelligence & Machine Learning • Data Science • Cyber Security • Internet of Things
EEE	ELECTRICAL &ELECTRONICS ENGINEERING	• Artificial Intelligence & Machine Learning • Data Science • Cyber Security • Internet of Things
ME	MECHANICAL ENGINEERING	• Artificial Intelligence & Machine Learning • Data Science • Cyber Security • Internet of Things
ECE	ELECTRONICS & COMMUNICATION ENGINEERING	• Artificial Intelligence & Machine Learning • Data Science • Cyber Security
EIE	ELECTRONICS &INSTRUMENTATION ENGINEERING	• Artificial Intelligence & Machine Learning • Data Science • Cyber Security
AE	AUTOMOBILE ENGINEERING	• Artificial Intelligence & Machine Learning • Data Science • Cyber Security • Internet of Things

Focus on Career Prospects

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Civil Engineering - Job Prospects

Irrigation Automation

AI & ML

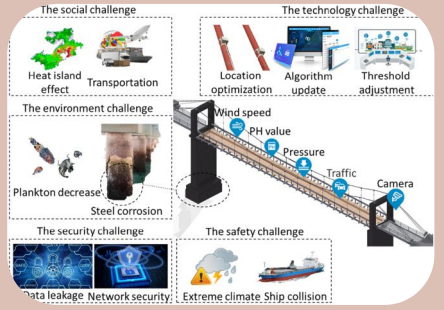
Data Science

Cyber Security

IOT

Construction Automation

Civil Engg. Software Development



Structural Health Monitoring

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Electrical and Electronics Engineering - Job Prospects

AI & ML

- BESS support Engineer
- Data Analyst
- Software engineer
- AI engineer
- ML engineer

Data Science

- Data scientist
- Data Analyst
- Data science consultant

Cyber Security

- Cyber security consultant
- Cyber security Analyst
- Cyber security specialist

Internet of Things

- System Professionals
- Software professionals
- Research scientist

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Mechanical Engineering - Job Prospects

Artificial Intelligence & Machine Learning

- Robotics Automation Developer
- Robo Design Engineer
- Automated Product Design Engineer
- Maintenance Engineer
- Research Scientist

Cyber Security

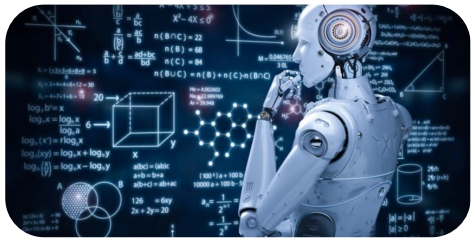
- Cyber Security Engineer
- Maintenance Engineer
- Research scientist

Data Science

- Data Science Engineer
- Data Analytics Engineer
- Research Scientist

IOT

- System Professionals
- Software professionals
- Research scientist



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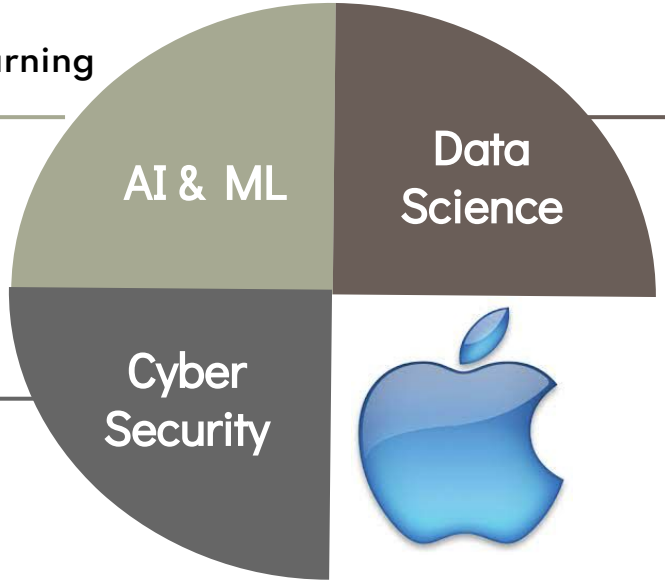
Electronics and Communication Engineering - Job Prospects

- Physical Design Engineer
- Design Verification Engineer
- Computer vision Engineer
- Senior Engineer-Machine Learning

- Product Security Engineer
- Cyber Security Engineer
- Operational Technology Cyber Security Engineer



- Data Scientist
- Data Engineer
- Big Data Engineer
- Data Analyst

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Electronics & Instrumentation Engineering - Job Prospects

AI & ML

- AI Engineer
- Quality Associate
- Cloud Support Associate

Data Science

- Data Analyst
- Data Engineer
- Data Science Consultant

Cyber Security

- Cyber Security Analyst
- System Analyst

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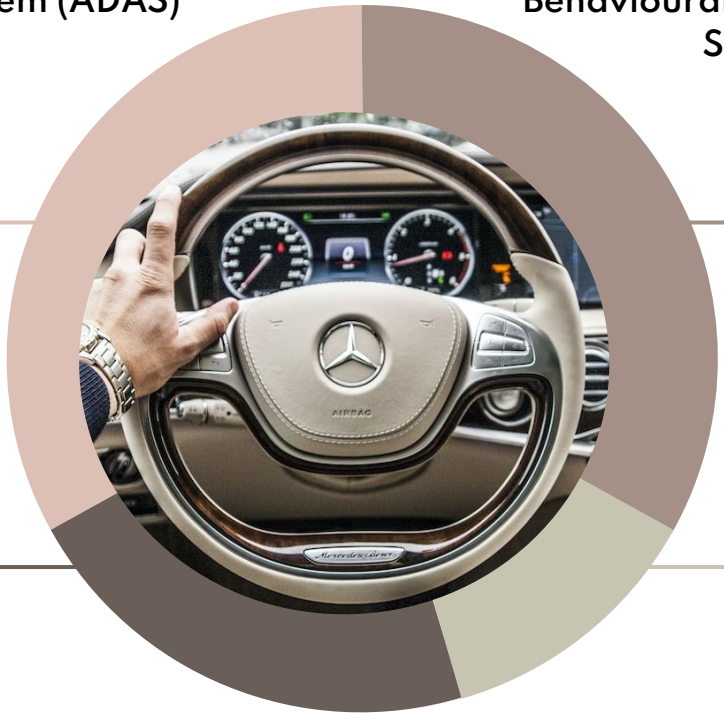
Automobile Engineering - Job Domains

AI & ML

Autonomous Vehicles
Advanced Driver Assistance System (ADAS)
Predictive Maintenance
Intelligent Transport Systems
Vehicle Diagnostics
Energy Efficiency & Emissions

Cyber Security

Intrusion detection and prevention systems
Behavioural analytics & anomaly detection
Secure communication protocols
Over-the-air software updates
Red Team Testing
Security by Design



Data Science

Self driving vehicle algorithms
Vehicle quality management
Customer Analytics
Vehicle Diagnostics
Energy Efficiency & pollution

Internet of Things

Fleet management & Telematics
Connected Cars
Predictive Maintenance
Vehicle Infotainment
Semi Autonomous vehicles

Value Addition given by Minor Degree Programs

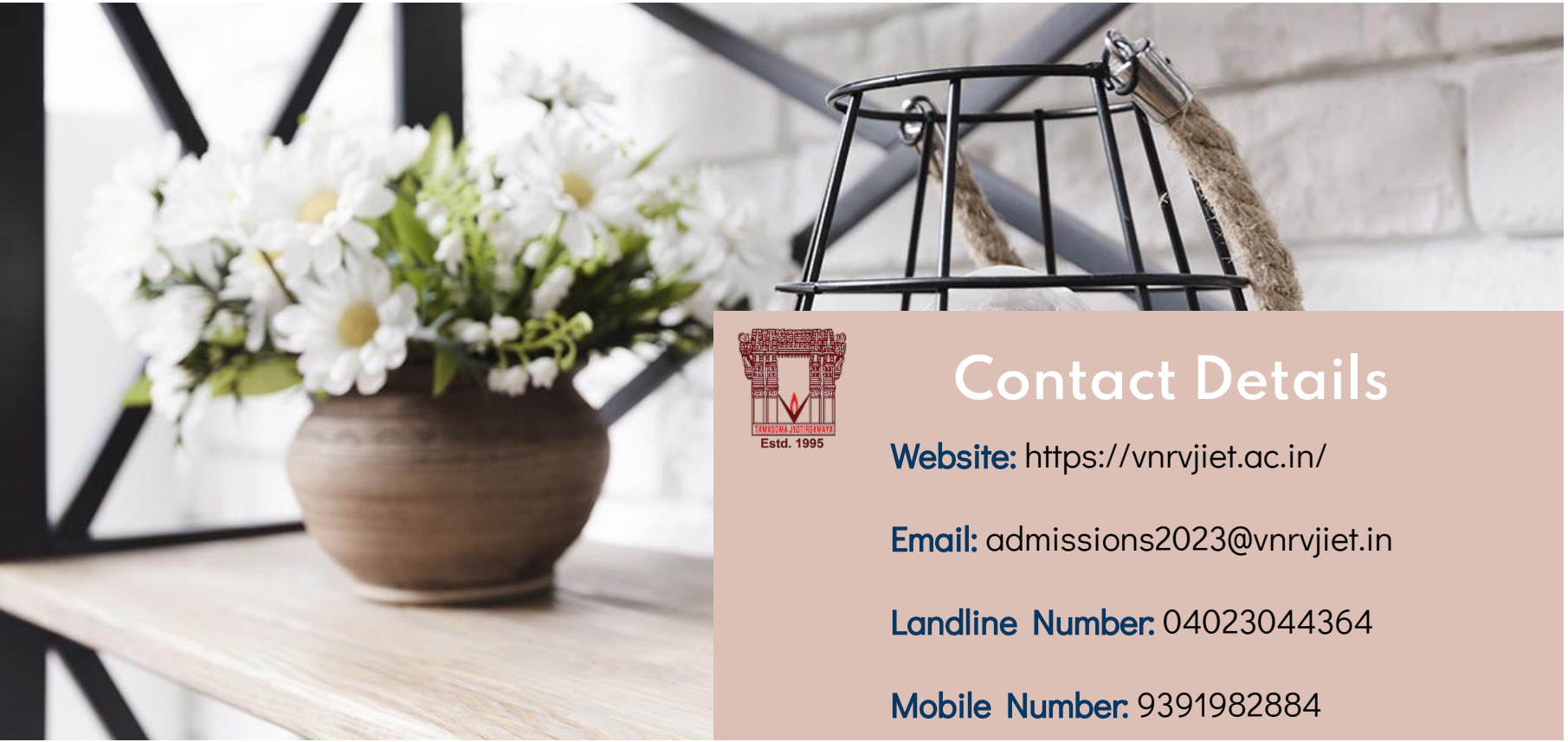
01 Bolster your resume that will set you apart from your peer group in job placements

02 Pursue the courses which you are passionate about

03 Complement your B.Tech course with extra knowledge

04 Stay relevant and updated about emerging technologies

05 Diversify into any of the specializations in your higher education



Contact Details

Website: https://vnrvjiet.ac.in/

Email: admissions2023@vnrvjiet.in

Landline Number: 04023044364

Mobile Number: 9391982884

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