



Science & Technology



B.Tech. (Computer)
(Approved by AICTE)

B.Tech. (Mechanical)
(Approved by AICTE)

B.Sc. (Computer Science)

B.Sc. Hons.
(Statistics - Big Data Analytics)

M.Tech. (Computer)

M.Tech. (Mechanical)

M.Sc. (Computer Science)

M.Sc.
(Statistics - Big Data Analytics)



Vishwakarma University

Vishwakarma University (VU) is a natural offshoot of the Vishwakarma Group of Institutions' educational legacy spanning more than 35 years. The University has been established as a State Private University under the Government of Maharashtra in the year 2017. VU enjoys autonomy in designing and implementing its own curriculum, conduct examinations and award degrees.

The University focuses on academic excellence, positively impacting student community and the society at large. The learning model at Vishwakarma University is the combination of the knowing, practicing, performing and reflecting. The "learning by doing" approach practiced through industry participation provides an opportunity for practical and pragmatic learning to students. Through industry backed enriched curriculum and ecosystem of holistic development, the university aims to prepare learners for fulfilling career paths.

The University is committed to empower students to embrace new challenges in the knowledge based economy and be prepared for industry requirement to be a valuable human asset. The focus is on education, innovation and skilling to impart values and prepare a competent student for the present and future who are relevant in terms of life and livelihood.

Vision

To Co-Create Human, Intellectual & Socio-Economic Capital par Excellence, for the Nation & for the Globe.

Mission

To emerge as a Global Knowledge Enterprise in the Asia Pacific Region.

Values

Collaborative Approach
Innovative Outlook
Pursue Excellence

Sustainable Growth
Embrace Diversity
Global Mindset

Industry Connect

Integrated activities to enhance Employability and nurture Entrepreneurship

CAREER READINESS OPPORTUNITIES

EXPOSURE

- Conferences and Summits
- Shadowing Professionals
- Online Courses and Webinars
- Research Assignments
- Career Counselling
- Domain Seminars
- Guest Lectures
- Social Immersion Projects

INSIGHTS

- Psychometric Profiling
- Mentoring by Faculty Team
- Industry Advisory Boards
- Clubs and Forums
- Employability Enhancement Programme
- Interviews of Industry Professionals
- Study Tours to Workplaces
- Mentoring by Industry Professionals

PRACTICE

- Hands-on Workshops
- Industry Assignments
- Incubation Support
- Competitions
- Internships
- Freelancing
- Live Projects
- Collaborative Initiatives

Vishwakarma University Advantage

ROBUST ACADEMIC FRAMEWORK

- ✓ Choice Based Credit System (CBCS)
- ✓ Outcome Based Education (OBE)
- ✓ Employability Enhancement Inputs
- ✓ Innovative Pedagogy and Assessment

VIBRANT LEARNING ECO-SYSTEM

- ✓ Interdisciplinary Approach
- ✓ Experiential & Blended Learning
- ✓ Industry Projects
- ✓ Concurrent Evaluation

GLOBAL APPROACH TO EDUCATION

- ✓ MoUs with Foreign Universities
- ✓ International Projects and Assignments
- ✓ Inculcating global mindset in Students
- ✓ Global Internships and Placements





PROGRAMMES

B.Tech. (Computer) in Association with IBM

Duration : 4 Years – 8 Semesters – Full Time

Eligibility : Class 12 (Science) from any recognized board with PM + C/B/V.

Careers : Chief Technology Officer, Business Analyst, Data Scientist, Software Engineer, Network Security Administrator, Technocrat, Webmaster.

Highlights: Specialization Tracks, Emphasis on hands-on practice, Project based learning, Value added certifications and internships, innovation and competency centres, Exchange programmes, Industry Associates, Cross-functional and Inter-disciplinary exposure.

M.Tech. (Computer)

Duration : 2 Years – 4 Semesters – Full Time

Eligibility : B.E./B.Tech in Computer Engg. / Information Technology. Minimum 50% marks (Open Category) and 45% (Reserve Category). With valid GATE score in Computer Science and Engineering

Careers : Software Application Architect, Business Analyst, Data Scientist, Software Project Leader, Information Systems Manager, Academic and Research Positions.

Highlights: M. Tech. programme is suitable for students who are interested in pursuing research oriented career. The programme allows student to specialize in a particular domain by taking elective courses and working on a research project.

B.Sc. (Computer Science)

Duration : 3 Years – 6 Semesters – Full Time

Eligibility : H.S.C. (10+2) Level Examination in science with Mathematics. or Three Years Diploma Course ,after S.S.C. (10th standard) of Board of Technical Education conducted by Government of Maharashtra or its equivalent

Careers : Software Developer / Engineer, Computer Application Specialist, Database Administrator, Information Systems Manager, Data Scientist Software Application Architect, Systems Analyst, Software Project Manager.

Highlights: Programmes offer an insight into the world of computers, its applications, and latest developments in the industry, through professional engagements, which are in sync with business environment. Programmes enhance skills in various thrust areas of computer science with perfect amalgamation of theory & practice and an ability to solve complex computing problems.

B.Tech. (Mechanical)

Duration : 4 Years – 8 Semesters – Full Time

Eligibility : Class 12 (Science) from any recognized board with PM + C/B/V.

Careers : Design Engineer, CAD & CAE Engineer, Production Manager, R&D Engineer, Quality Engineer, Public Sector Undertaking (PSU), Researcher, Entrepreneur.

Highlights: Industry relevant curriculum, Varied domain specialization options, Hands on Industry grade Technology Tools, Industry connect through internships, industry visits and industry interaction opportunities.

M.Tech. (Mechanical)

Duration : 2 Years – 4 Semesters – Full Time

Eligibility : B.E./B.Tech in Mechanical Engg. Minimum 50% marks (Open Category) and 45% (Reserve Category). With valid GATE score in Mechanical Engineering

Careers : Product Manager, Design Engineer, Product Development Program Manager, R&D Engineer

M.Sc. (Computer Science)

Duration : 2 Years – 4 Semesters – Full Time

Eligibility : Bachelor of Computer Science Or B.Sc. (Computer Science) Or B.E. in Computer Science / Information Technology / Electronics Telecommunication. Minimum 50% marks (Open Category) and 45% (Reserve Category).

B.Sc. Hons. (Statistics - Big Data Analytics)

Duration : 3 Years – 6 Semesters – Full Time

Eligibility : Higher Secondary School Certificate (10+2) or its equivalent Examination with English and Mathematics and two of the science subjects.

Careers : Data analysts, Data scientists, Analytics Programmers , Decision Scientists, Research in Data Analytics, Business advisors and strategists, Big Data Analyst, Analytics Managers, Analytics Consultants, Market Research Analysts, Financial Consultant.

Highlights: Equipping students with the necessary decision-making abilities by nurturing their skills in data analysis with knowledge of statistics, economics, mathematics, statistical and IT tools. Providing exposure to students to real world problem solving through applying theories, techniques and tools of statistics and data analytics

M.Sc. (Statistics - Big Data Analytics)

Duration : 2 Years – 4 Semesters – Full Time

Eligibility : B. Sc. with Statistics and / or Mathematics at principal / subsidiary level.

B.Tech. (Computer) in Association with IBM - Specialization Tracks - Graduate Level Programme (400+ Hrs)

(Opportunity to excel in the field of Computer technology, applications and systems with sound knowledge, skills and practice.)



The track focuses on grooming the abilities like critical thinking, visual modelling and analytical skills which are required for the profile of Data Analyst, Business Analyst. Students learn how to apply descriptive, predictive and prescriptive statistics and analytics to give business solutions.

Brief Contents

- Business Intelligence
- Operations Research & Optimization
- Real-time monitoring & Analysis
- Social, Web & Mobile Analytics
- Big Data Analytics
- Business Process Management

Career Opportunities

- Data Scientist
- Data Architect
- Business Intelligence Architect
- Data Engineer
- Business Intelligence Developer
- Business Analyst



The track focuses on gaining an in-depth knowledge of virtualization techniques, cloud computing concepts, and assisting clients in data-centre administration. It offers thorough understanding of cloud reference architecture, cloud development and deployment models. Gain expertise in setting up & administering Open Stack private Cloud.

Brief Contents

- Virtualization
- Cloud Computing Architecture
- Cloud Computing Deployment
- Cloud Security & Management
- Service Oriented Architecture
- Business Process Management

Career Opportunities

- Cloud Solution Architect
- Cloud Infrastructure Architect
- Cloud Services Developer
- Cloud Systems Administration
- Cloud Network Engineer
- Cloud Security Analyst



The track focuses on acquiring an in-depth knowledge of vulnerabilities, digital forensic science, data and application security mechanism.

Brief Contents

- Information Security
- Data and Applications Security
- Network Security
- Digital Forensics

Career Opportunities

- Cyber Security Architect
- Network Security Analyst
- Open Source Stack Researcher
- Cyber Forensics Solutions Architect/Tech Consultant



Vishwakarma University in collaboration with "Unity", World's leading Cross Platform Real-Time Engine, is setting up Centre of Excellence in Immersive Technologies (Augmented Reality, Virtual Reality, and Mixed Reality) & Tools, at Vishwakarma University Campus to make students industry ready.

This unique centre proposes to offer an interactive design and development experience (2D / 3D) in varied domains viz. engineering, art and design, architecture, film-making, entertainment, psychology, management, travel and tourism through simulations and visualizations.

CONTACT

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