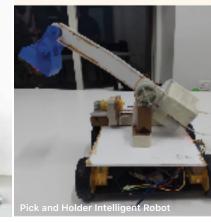
Student Projects





Application for Smart Mindful Journaling



■ Academic Programs

BTech 4 years

- Computer Science and Engineering
- Full Stack Development
- Data Science
- Artificial Intelligence
- Cyber Security
- Cloud Computing
- Interaction Design

Entry Requirements

- 10+2 (from any of the State Boards / CBSE / ICSE / ISC / CIE / IB / NIOS or equivalent exam) with Physics, English, and Mathematics as compulsory subjects
- 60% aggregate in the subject group Physics, Mathematics and Chemistry / Vocational Subject
- 50% in English
- Valid score of JEE or any state entrance examination

BCA | 3 years

Entry Requirements

- 10+2 from any stream (from any of the State Boards / CBSE / ICSE / ISC / CIE / IB / NIOS or equivalent exam)
- 50% marks in aggregate
- Proficiency in English

PhD

Entry Requirements

- Master's degree or equivalent in relevant discipline from an approved university / institution with at least 55% marks or a minimum CGPA / CPI of 6 on a 10-point scale or an equivalent grade 'B' wherever grading system is followed
- Valid score of Avantika Research Test (ART), an entrance test in line with UGC guidelines
- Proficiency in English
- ote: Students with valid UGC-NET (including JRF) / UGC-CSIR NET (including JRF) / SLET /
 GATE / Teacher Fellowship Holder or who have passed MPhil program are also eligible
 for PhD Admission at Avantika University. • Part-time PhD will be allowed provided all the conditions mentioned in the extant PhD regulations are met.

Vision

Avantika aims to nurture and cultivate young minds who will serve as enlightened citizer bringing positive change to society.

MIT Pune Campus at Ujjain

Learn

The **Right** Way

Mission

- To provide contemporary and personalized education with a 21st century curriculum and learning focused on what really matters in life.
- To nurture a robust ecosystem led by innovation and enterprise to generate exciting research and
- To ensure a high-quality student experience through a breadth of activities and opporwith an emphasis on experiential learni

Admission Process



Note: The university earmarks seats for reserved categories (SC, ST, OBC, EWC, Differently-Abled, etc.) as per the applicable reservation policy decided by the State Government or Government of India from time to time







Learn directly from domain Supplement your learning through Swayam and IITB - RC

Internship Work with the industry to

Work on Projects from Day 1

gain real-time experience experts through sessions, workshops, and like



Learn **Engineering**

the Right Way

Trans-Disciplinary

Collaborate within and across Disciplines

Research in the fields of Electric Vehicles, Robotics Autonomous Systems, IoT, and more

Cyber Security

Opportunity for Global Certification from Palo Alto CyberSecurity Academy

Enjoy a vibrant and happening student life

UX Design

Explore the synergy of Computer Science and User Experience Design



Beyond Academics

Industry Connect

Workshop, Expert Session, Industrial Visit

Hi-End Labs

Cisco Academic Lab, Fab Lab, UX Lab, Data Science and Al Lab

Professional Society

IEEE, CSI, WDO, Cumulus, AIESEC

Competitions and Events

TechFest, Entrepreneurship Boot Camp, Conference B-Plan Contest. TEDxAvantika University

Life Skills

Harappa Education (Think, Solve, Communicate, Collaborate, Lead)

Student Clubs

Art, Photography, Gaming, Cycling, Robotics, Film, GDSC (Google Developer Student Club)

Social Innovation

Reap Benefit, ABLED Lab, Platinum Lab, TCS DISQ, NSS

Sports and Fitness

Cricket, Football, Basketball, Volleyball, Handball, Lawn Tennis, Table Tennis, Badminton, Cycling, Kabaddi, Gym, Chess

Recreation

Music, Bird Watching, Star Gazing, Carrom

Celebrations and Festivals

Holi, Janmashtami, Onam, Ganesh Chaturthi, Diwali, Halloween, Republic Day, Independence Day

Academic Framework (BTech)



















FOUNDATION

- Joy of Making
- Principles of Engineering
- Engineering Physics ■ Engineering Mathematics
- Introduction to Computing
- Introduction to Design
- Liberal Arts Core
 - Critical and Creative Thinking
 - Psychology for Engineers

 - Design Methodology Nature and Design User Experience Design
 - UI Design

DISCIPLINE CORE

- Object Oriented ProgrammingAlgorithms
- Database Management System

■ Design Core

- Discrete Mathematics
- Computer Network
- Cloud Computing ■ Operating System
- Data Structures

SPECIALIZATION

- Full Stack Development
- Artificial Intelligence

Data Science

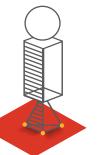
- Cloud Computing
- Interaction Design
- Cyber Security

PROJECTS

- Web Application
- Mobile Application ■ Desktop Application
- IoT Application

- Advanced Technology User Centered Design
- Seminar
- Internship

AVANTIKA CAPSTONE PROJECT



Academic Framework (BCA)

FOUNDATION

- Foundational Mathematics
- Fundamentals of Computer and PC Software
- Discrete Structure

DISCIPLINE CORE

Project Management

- Data Structures and Algorithms Computer
- Object Oriented Programming ■ Software Engineering and
- Operating System

using Java

- Database Management System

DISCIPLINE ELECTIVES

- Computer Graphics and Multimedia
- UI/UX Design
- Cloud Computing
- Data Warehouse and Data Mining
- Cyber Law and Information Security

■ Programming with Python

■ Data Analytics using R



- Computational Thinking and Problem Solving
- Business Data Processing
- Web Application Development
- Mobile Application Development

EXPERIENTIAL LEARNING AND PROJECT



Highest CTC

Average CTC

450+

Project Opportunities

Companies Hired



BCG BOSTON CONSULTING

























































Collaborations























