VIIT MANAGEMENT

1. Introduction

Bansilal Ramnath Agarwal Charitable Trust (BRACT), Pune, runs Vishwakarma Institute of Information Technology (VIIT). The Trust was established on the 16th of June 1975 under Bombay Trust Act of 1950. The Trust undertakes educational, religious, and social activities. "Vishwakarma" as per Indian mythology, was an architect-engineer of the Almighty God. The Trust has adopted this name with a vision to develop engineers who can take up challenges in the technical field with original work and creativity. The Trust has adopted this name "Vishwakarma" for all educational institutes.

2. Objectives

Offer Technical and Medical education

Start undergraduate and post-graduate institutions

Establish research centres

Help needy & deserving students

Felicitate scholars, philosophers, artists

3. Vision & Mission

VISION: Excellence in Technical Education with Holistic Development

MISSION:

To make the industry-ready graduating engineers with high human values

To impart technical, social, innovative, and entrepreneurial skills of the highest standards

To prepare passing graduates for higher studies and high-quality research

4. Social Activities

Mahalaxmi Temple near Swargate, Pune Charity work such as donating money and medical facilities like an ambulance and other needy organizations

Awarding 'Adishakti Purskar' to eminent ladies devoted to social work and betterment of women Arranging lecture series and musical recitals of famous and eminent persons during 'Navaratra Festival

5. Members of Bansilal Ramnath Agarwal Charitable Trust

Shri. Rajkumar Bansilal Agarwal (Chief Trustee)

Smt. Amita Rajkumar Agarwal (Trustee)

Shri. Bharat Rajkumar Agarwal (Managing Trustee)

Shri. Narendra Parasmal Jain (Advisory Trustee)

6. Programmes Offered

Undergraduate Programme

Artificial Intelligence & Data Science (Intake: 180, Duration: 4 Years)

Civil Engineering (NBA Accredited) (Intake: 60, Duration: 4 Years)

Computer Engineering (NBA Accredited) (Intake: 240, Duration: 4 Years)

Computer Engineering (Software Engineering) (Intake: 60, Duration: 4 Years)

Computer Science & Engineering (Artificial Intelligence & Machine Learning) (Intake: 60, Duration: 4 Years)

Computer Science & Engineering (Artificial Intelligence) (Intake: 120, Duration: 4 Years)

Computer Science & Engineering (Data Science) (Intake: 60, Duration: 4 Years)

Computer Science & Engineering (Internet of Things & Cyber Security Including Blockchain Technology) (Intake: 60, Duration: 4 Years)

Electronics & Telecommunication Engineering (NBA Accredited) (Intake: 180, Duration: 4 Years)

Information Technology (NBA Accredited) (Intake: 180, Duration: 4 Years)

Mechanical Engineering (NBA Accredited) (Intake: 120, Duration: 4 Years)

Postgraduate Programme

Computer Engineering (Intake: 06, Duration: 2 Years)

Doctoral Programme (Ph.D.) Civil Engineering (Year of Affiliation: 2012-13)

Electronics & Telecommunication Engineering (Year of Affiliation: 2011-12)

Mechanical Engineering (Year of Affiliation: 2014-15

Computer Engineering (Year of Affiliation: 2020-21)

Awards and Accreditation of VIIT

1. Accreditation

VIIT obtained NAAC (National Assessment and Accreditation Council) accreditation with "A" grade for six years from September 2016 to 2022. VIIT has applied for the second cycle of accreditation.

Following UG programs have been re-accredited by NBA (National Board of Accreditation), New Delhi, under Tier-I (Autonomous Institution) in 2022 for three years:

Computer Engineering

Mechanical Engineering

Information Technology

Electronics & Telecommunication Engineering

Civil Engineering

2. Certifications

EOMS 21000:2019 Certified

EMS: ISO 14001:2015

ISO 2001-2015 Certified

3. Awards

In the year 2023, VIIT participated in the following rankings and received higher ranks:

Data Quest Top T schools – 46th in India

Competition Success Review (CSR)-GHRDC – 13th in India as College of Eminence and 6th in Maharashtra.

The Week – 106th in India, 78th in Top Private Institutes, 13th in West Zone.

Outlook iCare – 52nd in India (Among top 160 Institutions)

Education World – 42nd in India

Times Survey – 116 (Among top 170 colleges)

Chronicle Best Engineering – 'A+'

VIIT is placed in Rank Band of 151-200 under the India Rankings 2018 by NIRF.

VIIT awarded as 'Outstanding Engineering Institute' - West by Vijayavani National Education Leadership Awards.

Team VIIT bagged awards in SUPRA competition in 2023:

Best Engine Tuning Award
First Team to Clear Technical Inspection
Cleanest Pit Award
SAE Supra overall – Rank 7
PiEV overall India - Rank 8

Team VIIT bagged many awards in SAE-BAJA competition in 2023:

Sales event AIR-3
Design Validation award AIR-4
Overall statics – AIR-5

The placement statistics and details for VIIT college are as follows:

Placement in Last Year (2022-23):

Placement Percentage: 75% to 80%
Average Salary: 7-7.5 lakhs per annum
Highest Package: 33 lakhs per annum
Lowest Package: 3-3.5 lakhs per annum

Placement in 2019 (2018-19):

Placement Percentage: 70% to 75%
Average Salary: 4-4.5 lakhs per annum
Highest Package: 12 lakhs per annum
Lowest Package: 3-3.5 lakhs per annum

Placement in 2020 (2019-20):

Placement Percentage: 80% to 83%
Average Salary: 4.1-4.5 lakhs per annum
Highest Package: 27 lakhs per annum
Lowest Package: 3-3.5 lakhs per annum

Placement in 2021 (2020-21):

Placement Percentage: 80% to 83%
Average Salary: 5.8-6 lakhs per annum
Highest Package: 33 lakhs per annum
Lowest Package: 4-4.5 lakhs per annum

Placement in 2022 (2021-22):

Placement Percentage: 85%
Average Salary: 6-6.5 lakhs per annum
Highest Package: 44 lakhs per annum
Lowest Package: 4 lakhs per annum

Placement in 2023 (2022-23):

Placement Percentage: 83%
Average Salary: 7.5-8 lakhs per annum
Highest Package: 33 lakhs per annum
Lowest Package: 4-4.5 lakhs per annum

Major Companies Visited for Placements:

Amazon
Nvidia
JP Morgan
FINLQ
NUTANIX
TCS
Infineon
Barclays

Top Placed Students in 2023 (2022-23):

ZANWAR SHLOK SURAJ (Computer Science) - Package: 33 LPA (Company: ANSYS SOFTWARE)
BIYANI SHUBHAM RAJGOPAL (Computer Science) - Package: 22.41 LPA (Company: BP SINGAPORE)
GADHAVE ROHIT DNYANESHWAR (Information Technology) - Package: 22.41 LPA (Company: BP SINGAPORE)
These details provide comprehensive insights into the placement scenario at VIIT college for the specified years.

Artificial Intelligence and Data Science (AIDS) Department

1. Vision:

"Excellence in Artificial Intelligence and Data Science with holistic development".

2. Mission:

To impart quality education with contemporary industry needs and emerging AI & DS techniques.
To cultivate a research-oriented mindset and comprehensive professional skills.
To equip learners with interdisciplinary skill sets to cater to the needs of the industry and society.

3. About Artificial Intelligence Programme:

The Artificial Intelligence Programme at VIIT is designed to provide students with a comprehensive understanding of both Artificial Intelligence (AI) and Data Science (DS). AI is an interdisciplinary science encompassing multiple approaches, while DS involves the study of data analysis, decision science, and business intelligence.

Overview:
The AI Programme is tailored to meet the growing demands of the industry for professionals skilled in AI and DS techniques.

It covers a wide range of topics, including machine learning, natural language processing, computer vision, and deep learning.

Significance:

In today's digital age, AI and DS play a crucial role in various sectors such as healthcare, finance, ecommerce, and entertainment.

Successful companies like Google, Amazon, and Facebook leverage AI and DS techniques to analyse user data and behaviour, driving innovation and growth.

Curriculum:

The programme offers a comprehensive curriculum that blends AI and DS concepts with real-world applications and business intelligence.

Students learn fundamental concepts in computer engineering along with cross-disciplinary skills such as statistics, mathematical reasoning, and big data analytics.

Career Opportunities:

Graduates of the programme are well-equipped to pursue careers in diverse fields, including healthcare, finance, astronomy, agriculture, data security, and social networking.

The programme opens up opportunities in roles such as data analysts, AI engineers, machine learning specialists, and business intelligence developers.

Departmental Initiatives:

The department is committed to providing quality education, with self-motivated faculty members dedicated to mentoring students and guiding them towards success.

Despite the challenges posed by the pandemic, the department remains fully committed to delivering quality education, with plans to resume offline teaching as soon as feasible.

Conclusion:

The Artificial Intelligence Programme at VIIT offers a unique opportunity for students to delve into the exciting world of AI and DS, equipping them with the skills and knowledge needed to excel in the rapidly evolving field.

4. Program Outcomes of Artificial Intelligence (AIDS)

Program Outcomes (POs):

PO1. Engineering Knowledge:

Apply the knowledge of mathematics, science, engineering fundamentals, and engineering specialization to solve complex engineering problems.

PO2. Problem Analysis:

Identify, formulate, review research literature, and analyze complex engineering problems using first principles of mathematics, natural sciences, and engineering sciences.

PO3. Design/Development of Solutions:

Design solutions for complex engineering problems and design system components or processes meeting specified needs with considerations for public health and safety, and cultural, societal, and environmental factors.

5. Undergraduate (UG) Program of Artificial Intelligence and Data Science

Programme Details: Programme Name: B.Tech. Artificial Intelligence and Data Science
Establishment Year: 2020
Nature of Programme: Full Time
Duration: 4 Years Current
Intake: 180

6. Campus of Artificial Intelligence and Data Science

Description:

The campus is equipped with state-of-the-art laboratories interconnected through a centralized server and fibre optic cables.
All laboratories are connected to a Local Area Network (LAN) and have internet connectivity.
The Department provides hands-on training and laboratory facilities to undergraduate students, enabling them to gain practical experience in Artificial Intelligence and Data Science.

Laboratory Facilities:

Project Lab (Location: D205)
IOT Lab (Location: D206)
Data Science Lab-2 (Location: D207)
Cloud Computing Lab (Location: D305)
Data Science Lab-01 (Location: D306)
Project Lab (Location: D307)

7. Faculty/teachers members of Artificial Intelligence and Data Science

Qualification:

The faculty members of AI and Data Science department possess advanced degree/qualifications such as Ph.D.s, Masters, and relevant certifications in fields related to AI, Data Science, machine learning, and NLP.

Experience:

They have extensive experience teaching these subjects, with many having worked in industry and academia prior to joining the faculty/teacher.

Additionally, they actively participate in research, attend conferences, publish papers, and engage in continuous learning to stay updated with the latest advancements in these rapidly evolving fields.

Positions of faculty members:

Department Head:

Prof. (Dr.) Parikshit N. Mahalle
Professor and Head of Artificial Intelligence and Data Science department
Contact Details: hodainds@viit.ac.in

Assistant Professor:

Mr. Santosh Kumar
Professor and serves as the Associate Head (HOD) of the Artificial Intelligence and Data Science (AIDS) department

Associate Professors:

Ratna Patil
Amar Buchade
Dr. Sunil Kale
Dr. Renu Kachoria
Associate Professors of Artificial Intelligence and Data Science department

Assistant Professors:

Ashwini Nawadkar
Pranjali Jadhav
Monali Borade
Prema Kadam
Yashwant Ingle
Gitanjali Yadav
Assistant Professors of Artificial Intelligence and Data Science department

Senior-level Assistant Professors:

Mr. Vivek Patil
Suvarna Bhagwat
Dr. Varsha Jadhav
Senior-level Assistant Professors of Artificial Intelligence and Data Science department

8. Support staff of Artificial Intelligence and Data Science

Working:

The supporting staff members include administrative assistants, lab technicians, and other personnel who assist faculty and students in various tasks, such as managing administrative duties, maintaining equipment, and providing technical support.

Supporting staff positions:

Technical support:

Jitendra Suryawanshi
Rajeev Kumar
Provide technical support to the Artificial Intelligence and Data Science department

Clerical support:

Masa Pawar offers clerical support within the department.

Peon:

Dharmendra Pardeshi
Sandeep Khutwad
Assisting with various tasks in the department.

9. Syllabus of Artificial Intelligence and Data Science department

First Year (FY-BTech):

FY First Semester subjects:

Linear Algebra
Engineering Physics
Programming Paradigm Methodology
Applied Digital Logic Design
Course on Indian Science and Technology
Data Storytelling
English for Technical Writing
First year first semester syllabus
FY Second Semester subjects:

Calculus
Environmental Science
Problem Solving and Programming
Introduction to Data Structure and Algorithm
Fundamentals of Data Science
and Data Visualization
First year second semester syllabus

Second Year (SY-BTech):

SY First Semester subjects:

Discrete Mathematics
Data Structures
Microprocessors
Database Management System
Universal Human Values 2
Data Visualizations
Data Storytelling
Second year first semester syllabus

SY Second Semester subjects:

Probability and Statistics
Advanced Data Structures
Fundamentals of Computer Networks
Software Engineering
Operating System
Web Technology
Soft Skills
Second year second semester syllabus

Third year (TY-BTech):

TY First Semester subjects:

Artificial Intelligence
Design and Analysis of Algorithms
Cloud Computing and Analytics
Multivariate Analysis
Intellectual Property Rights

Additional electives:

Cybersecurity
Image Processing
Information Storage and Retrieval
TY Second Semester subjects:

Machine Learning
Data Science
Natural Language Processing

Additional electives:

Internet of Things
Augmented Reality Virtual Reality (ARVR)
Fundamentals of Blockchain Technology