



Bansilal Ramnath Agarwal Charitable Trust's
Vishwakarma Institute of Technology
(An Autonomous Institute Affiliated to University of Pune)
666, Upper Indiranagar, Bibwewadi, PUNE - 411 037.
Maharashtra State – India,
Phone Nos. : 91-020-24283001 FAX : 91-020-24280926
E-Mail: director@vit.edu Web Site : www.vit.edu

1. INTRODUCTION

Vishwakarma Institute of Technology, Pune is one of the premier technical institutes of high repute in the country. The institute was established in the year 1983 and over the journey of last 26 years, it has grown up from a pure UG institute to a Research centre along with well established PG programs. The Institute has not only earned recognition at the national level but also has created a special mark at international level. Vishwakarma Institute of Technology is the first private unaided technical institute in the state of Maharashtra to receive the status of Autonomy conferred upon by the University of Pune and as such enjoys a place of pride in the country.

The Institute is well known for its visionary management, matured and stable leadership, senior dedicated faculty, state-of-the-art infrastructure, high academic standards, strict academic discipline, remarkable co-curricular and extra curricular activities, excellent placement records and talented students.

The institute also gives special emphasis related to growth of the students such as all round personality development, opportunity of international exposure at UG and PG level, character and competence building, industrial training and online projects etc.

2. STATUS OF THE INSTITUTE

- Autonomous Institute affiliated to University of Pune.
- Accredited by National Board of Accreditation.
- ISO 9001:2000 Certified Institute.
- State Government and AICTE approved Institute.

3 BOARD OF MANAGEMENT

The institute has co-opted reputed industrialists and academicians on the Board of Management (BOM). These eminent personalities are proactively involved to make Vishwakarma Institute of Technology a world class institute by way of working in areas such as Quality education at affordable cost, Multidisciplinary approach in the engineering education, Identification of future global needs of the industry, Recruitment of Star faculty, Integration of UG and PG programs, Promotion of research activity etc.

MEMBERS OF THE BOARD

Sr. No.	Name of the Member	Category
1	Shri. Rajkumar Bansilal Agarwal, (Chairman) Bansilal Ramnath Agarwal Charitable Trust, Pune.	Chief Trustee, B.R.A.C. Trust
2	Shri. Bajarangadas B. Lohiya, Director, Compax Industrial Systems Pvt. Ltd., Pune.	Nominee of the Trust
3	Shri. Sudhir Tiloo, Management Counsellor.	Nominee of the Trust
4	Dr. Naushad Forbes, Director, Forbes Marshall Ltd., Pune.	Nominee of the Trust
5	Shri. Pramod Choudhari, Chairman, Praj Industries Ltd., Pune.	Nominee of the Trust
6	Dr. Gajanan Ramakant Ekbote, Dean, Faculty of Medicine	Vice-Chancellor's Nominee
7	Dr. Pandit Vidyasagar, Director, B.C.U.D., University of Pune	Vice-Chancellor's Nominee
8	Prof. (Dr.) S.K. Mahajan, Director of Technical Education, M.S., Mumbai	Ex-Officio, D.T.E., Mumbai
9	Dr. B.K. Tosh, Regional Officer, W.R.C., AICTE, Mumbai.	Ex-Officio, Regional Officer, AICTE, Mumbai
10	Shri. J.S. Saharia, Principal Secretary, Higher & Tech. Edu., M.S., Mumbai	State Government Nominee
11	Prof. (Dr.) S.D. Awale, Director, NITIE, Mumbai.	AICTE Nominee, New Delhi
12	Prof. (Dr.) U. N. Gaitonde, Professor of Mech. Engg., IIT, Bombay.	Expert from Education / Industry
13	Prof. J.A.K. Tareen, Vice-Chancellor, Pondicherry University	UGC Nominee
14	Prof.(Dr.) R.M. Jalnekar, Dean, Academic Development, V.I.T., Pune.	Teacher nominated by Director
15	Prof.(Dr.) R.R. Kulkarni, Head, Mechanical Engg. Deptt., V.I.T., Pune.	Teacher nominated by Director
16	Shri. Bharat Rajkumar Agarwal, Managing Trustee, BRAC Trust, Pune.	Meritorious Alumni of the Institute
17	Prof. Hemant Keshav Abhyankar (Member Secretary) Director, Vishwakarma Institute of Technology, Pune	Director

4. ACADEMIC PROGRAMS

Sr. No.	Name of Course	UG Intake	PG Intake	Ph.D.
1)	Chemical Engineering	60	-	√
2)	Computer Engineering	90	25 (Computer Science & Engg. – Information Tech.)	
3)	Electronics Engineering	90	-	
4)	Electronics & Telecommunication Engg.	60	-	
5)	Industrial Engineering	30	18	√
6)	Information Technology	40	-	
7)	Instrumentation & Control Engineering	60	18 (Process Instrumentation)	√
8)	Mechanical Engineering	90	25 (Design Engg. 25 (Heat Power Engg.))	√
9)	Production Engineering	40	-	
10)	Master of Computer Applications	-	30	

5. AUTONOMY

The institute has developed the **Joyful Learning Model** under autonomy. The key features of this model are :

1. Joyful learning process
2. Relief from unproductive and non-academic work pressures.
3. Inculcation of self study culture
4. Impart knowledge, skills and values
5. Overall personality development of the student.
6. Emphasis on learning through continuous assessment
7. Well planned academic calendar
8. Use of internationally followed credit and relative grading system
9. Transparency in Assessment.
10. Opportunity to get international exposure through student exchange programme.
11. Well designed curriculum in consultation with industries, IITs and International Universities.
12. Exposure to international languages and courses related to hobby, health, and skills etc.
13. Strong industry-institute interaction through Industrial training, live projects, industry visits and guest lectures etc.
14. Flexibility to choose courses of own interest.
15. Multi-disciplinary approach.

6. FEATURES OF THE INSTITUTE

6.1 FACULTY

- Highly qualified, experienced, and dedicated faculty with following credentials.
 - Industrial experience
 - Research and consultancy work
 - Exposure to International academic environment
 - Research publications in the reputed national and international journals.
- Visiting faculty from industries and academics.
- A Very good student : faculty ratio

6.2 INFRASTRUCTURE AND FACILITIES

- Neat, clean and beautiful campus
- More than 70 well equipped laboratories with State of the Art equipments
- Class rooms with modern teaching aids
- Fully air-conditioned Auditorium with audio visual facilities.
- Canteen facility with subsidized food.
- Well equipped gymnasium and other sports facilities
- Hostel facility at Vishwakarma International Centre (VIC)
- Internet and Wi-Fi facility
- Central Library and Departmental libraries with reading facility
- Central Workshop facility
- Conference Hall and Seminar Rooms.
- Banking, ATM centre etc.
- On campus medical service
- Transport facility for staff and student.
- Intellectual Property Cell (IPR)

6.3 CURRICULUM

- Eminent personalities from industries and IITs are the members of Board of Studies, who guide in designing the curriculum and structure of the programs
- Emphasis on hands-on experience
- Inter-disciplinary approach
- Flexibility to choose courses of own interest from a range of electives
- General Proficiency courses for development of overall personality
- Professional Development courses for development of professional skills
- Emphasis on Industry based projects / Seminars
- Exposure to international languages
- Exposure to Engineering, Science Humanities, Management, Commerce, Arts courses for all round personality development.
- International exposure through student exchange programme.
- Mini specialization through track modules.
- Industrial Training

6.4 TEACHING-LEARNING PROCESS

- Use of modern teaching techniques like interactive teaching and experiential learning.
- Class-teacher / guardian to each class.
- Remedial teaching for all students
- Counseling, course dropping, faculty and parents meetings for slow learners.
- Provision to register additional courses for advanced learners.
- Use of modern teaching aids.
- Emphasis on hands-on experience
- Teaching-Learning through well planned academic calendar.
- Strict attendance monitoring and academic discipline
- Guest lectures by experts from Industry.
- Industrial / field visits
- Case study based learning
- Emphasis on development of analytical skill sets and presentation skills
- Thick student-teacher relationship

6.5 ASSESSMENT

- Continuous assessment relieves the students from the burden of memorization but gives importance to concept understanding, applications and also promotes the habit of regular studies.
- Adoption of internationally followed grading system relieves the students from undue pressures.
- Formative assessment for feedback.
- Complete transparency - Answer-books are shown to students and marking scheme is explained to them.
- Result declaration within 10 days.
- Evaluation of seminars and projects by industrial experts
- Examination Grievance Committee to address student's grievances
- Provision for two stage revaluation.
- Deferred examinations for genuine cases such as death of family members, hospitalization etc.

6.6 GENERAL PROFICIENCY COURSES

- Development of over-all personality
- Relief from the stress and monotony
- Courses offered are based on the needs of students, industry and society.
- Courses offered are in areas of hobby, health, skills / awareness and language
- Hobby courses – Photography, Music, Bridge, Chess, Dance, Gardening, Philosophy, Ethics etc.
- Health courses – Yoga, Spiritual science, Taekwondo, Trekking, Physical fitness, Volleyball etc.
- Skill / Awareness courses – Communication skills, Soft skills, Leadership and Personality Development, Interview skills, Campus recruitment training, Group dynamics etc.
- Language Courses – English, French, Japanese, Chinese, German etc.
- Mandatory English language test and necessary assistance for improvement.
- Courses taught by visiting faculty members, who are experts in the respective areas.

6.7 PROFESSIONAL DEVELOPMENT COURSES

- Development of professional competency / skills.
- Interdisciplinary / Multi-disciplinary courses based on current technical trends.
- Enhancement of job opportunities
- These courses help students to understand the current trends in technology
- Courses are conducted by many renowned industries like IBM, Accenture, Sunguard, Gudel, nVidia, etc.
- Some of the courses offered – IBM DB2, IBM RAD, Industrial Automation, How to design an iPhone, Energy Audit at Home, IPR to Engineers, Water Treatment, Linux OS, Core Java, C++, Electronic Data Processing, Model making, Preparation for Higher Studies Abroad, LED based lightening system, TV Engineering, Biometrics, Quality Circle, etc.
- Courses taught by industrial professionals and consultants.

6.8 QUALITY ASSURANCE

Vishwakarma Institute of Technology has established Quality Assurance Cell to enhance the academic standard of the institute. This is a unique feature of the institute. The cell has been responsible to enhance the academic standard by means of

- Members of Board of Management, Director, Deans and HODs are the members of the cell.
- All UG and two PG programs are accredited by National Board of Accreditation (NBA)
- The institute is in the process of NAAC accreditation.
- The Institute is ISO 9001-2000 certified institute
- Various procedures are developed under Quality Management System to attain the quality standards such as
 - Lesson plan compliance
 - Attendance monitoring
 - Remedial teaching
 - Continuous assessment
 - Continuous improvement of the staff through online feedback by the students
 - Continuous improvement of the institute services through online feedback by the students
 - Self appraisal system of staff
 - Internal and External Quality Audits at regular intervals
 - Well appraised teacher, best non-teaching staff award schemes

6.9 CAREER ASSISTANCE

- More than 100 software and core industries visit the campus for recruitment.
- Salary packages range from - 2.50 to 9.50 Lacs p.a.
- Multiple job offers to students
- Training in areas like Group discussion, Interview techniques, Soft skills, Entrepreneurship development etc. for better job opportunities.
- Tie-ups with international universities for admission to PG courses (M.S. programs).
- Coaching for GATE examination for admission to M. Tech. programs in I.I.Ts.
- Well planned Academic calendar so that students can appear for various important entrance examinations during the final year.
- Special emphasis on entrepreneurship development.

6.10 INTERNATIONAL ACADEMIC COLLABORATIONS

- Academic collaborations in diverse regions of the world, such as USA, Europe, Canada and South East Asia
- Opportunity to study for a complete semester during the UG course in renowned International Universities
- Established student exchange program with Groupe des Ecoles des Mines (GEM), a group of seven prestigious engineering schools of higher learning in France. 2nd batch of VIT students is currently studying in GEM. 3 French students completed their studies for one semester in our Institute.
- Provision of a special French language training session for students going to France.
- Academic collaborations with 'n+' network in France which federates admissions in over 70 plus engineering schools in France.
- Opportunities to get scholarships during education in France.
- MOUs signed with consortium of 17 Canadian Engineering Universities under the Ontario – Maharashtra – Goa student Exchange programs.
- 10 UG students have successfully completed one semester in Ontario State of Canada.

- Academic collaborations for assistance to admissions in Asian Institute of Technology, Thailand – a truly International Post Graduate Institute in Asia with 50 years of glorious history.
- Academic co-operations with Marist University, New York, USA for assistance to admissions at PG level.
- Opportunities to the PG students of Computer Engineering Department to study for one year in Marist University, New York, USA.
- Assistance offered to the graduate students for admissions to MBA program in French Universities in the field of Technology Management.

6.11 LIBRARY FACILITY

- Computerized library
- Open Access System
- Internet / Multi-media / Scanning / CD writing / Reprographic facility
- Online public access catalogue facility on the entire campus through intranet
- Online journal facility (around 1000 journals and 200 handbooks of world renowned organizations like Science Direct Option-II, IEEE, ASME, Spring Verlog and Digital Electronic Library)
- Membership of British, NCL., ARAI, Libraries
- Membership of ASME – USA, IEEE-USA, ACM-USA and DELNET.
- Membership to industries, corporate houses, private and public sector organizations.
- Book Bank facility for SC/ST students
- Total books around 43,000 and printed journals around 180.

6.12 STUDENT ACTIVITIES

The mission of the students' welfare activities is to provide opportunities, adequate scope and amenities for all-round personality development and inculcate leadership qualities among the students by way of contributing effectively in the management of various technical, sports, cultural, social and literary activities.

Technical

- Opportunity to participate in Robotics, Paper presentations, Quizzes, Vehicle designing and manufacturing competitions etc.
- Many awards and high rankings in various prestigious competitions like Robocon – an international level robotics competition, SAE- Baja – a national level vehicle design and manufacturing competition, Techfest and Techkriti – Asia's Technical festivals by IIT – Bombay and IIT – Kanpur etc.

Sports

- Opportunity to participate in Cricket, Foot-ball, Badminton, Table tennis, Chess, Kabaddi, Bridge, Swimming, Athletics and many other indoor and outdoor games.
- Winners and runners up in many prestigious competitions like Kaware Karandak Cricket tournament and other Inter-engineering, Inter-collegiate, inter-zonal, inter-university, state level and national level competitions.
- Many individual awards in all above events at all levels.

Cultural

- Opportunity to participate in Acting, Dancing, Singing, Music, Painting, Art exhibiting, Drawing, Sculpture making etc.
- Winners, high rankings and many event awards in district, state and national level prestigious competitions like Puroshottam Karandak, Firodiya Karandak (11 times) , Verve, Vedant, Mood Indito, Kalyani Karandak, Vishwakarandak, etc.
- Many individual awards in all above events at all levels.

Other Activities

- Opportunity to participate in Quality circle activity, Blood donation activity, Mission Mrutunjay, Help-line cell, Earn & learn scheme, Abhyasika, etc.
- Winners of 4 national and 7 international awards in various countries like USA, Mauritius, Colombo, Turkey etc. in Quality Circle activity.

Atmabodh is a Quality Circle activity through which students contribute to eradicate illiteracy amongst the under-privileged children.

- Felicitation by Government of Maharashtra and Blood Transfusion Council of Maharashtra for organizing best blood donation camp in the state
- Helping Maharashtra Police in Anti-terrorist activities through Mission Mrutunjay.
- Help Line Cell and Earn and Learn Scheme gives financial help to the poor and needy students for pursuit of their studies.
- Under Abhyasika scheme, VIT students teach various important subjects to the financially weaker students.

Technical Chapters and Forums

- A forum called “**The Robotics Forum of VIT (TRF)**” has been established to spread Robotics Activity amongst students. The membership has reached to a high of 1500 students.
- SAE-BAJA and Aero-Modeling Club gives opportunities to students to implement their innovative ideas in designing and manufacturing of automobiles and aero models.
- Various active departmental student chapters in the institute are ISTE, SAE, - USA, IETE, IIIIE, ASHRAE, IETE, India, PIESA, IEI, ISA, ISTE-VIT Chapter, IEEE, etc.

Mélange :

- Mélange a national level event was organized by VIT in January, 2010.
- A combination of Technical, Cultural and sports competitions.
- More than 80 different events over a period of one week.
- Technical events - Robotics, Coding, Wheels-on-Fire, Electronics design, Lathe Workman-ship, Workshops etc.
- Non-technical events such as Quiz-O-Mania, Treasure Hunt, Footloose, Face Painting and others.
- Also covers various sports competitions for boys and girls.

6.13 HOSTEL FACILITY

- Separate hostel for 375 boys and 250 girls
- Comfortable and well furnished rooms
- Attached bath rooms and toilets to each room
- Provision of Security service, Medical aid and Mess service,
- Lift, Generator back-up and Wi-Fi system
- Reading rooms, Recreation room, Guest Room and Sports facilities
- Postal and Courier service, Newspapers and magazines, Transport, Beauty Parlor etc.
- Separate resident guardian for each hostel
- Strict disciplinary measures to prevent ragging and other indisciplinary behaviour.
- Provision of a separate hostel at a reasonable rate for economically weaker section students.

director@vit.edu

