**Core Values of the institute**

**1. Faculty Centric Initiatives**

Faculty is heart and soul of the institute. Role and effort of faculty is valued in the institute who continuously strive for improving the system in progressive manner. The institute growth depends mainly on culture, values, belief, attitude towards looking at faculty, students and stakeholders. Faculty is main supporting backbone in education system. Hence these areas for faculty are of utmost importance. We define our culture through few important areasthat guide our planning for future.

1. Focus on students

Main emphasis is placed on students to educate them in particular discipline of engineering and inspiring them to be ethical employee, employer, leader, innovators and positive contributor to society at large.

1. Commitment to diversity and excellence

Faculty need to be committed for excellence at the same time open to diversities in terms of ideas, different ways of teaching, futuristic pedagogy.

1. **Focus on Resource Management**

Excellence in given resources is key strength of faculty. We emphasis on effective teaching learning in given resources and creating resources through research.

1. **Associating with Alumni**

Associating with alumni is in terms of market requirement in terms of readyness of students, research, new technology are sought.

1. Trust and integrity

Integrity of faculty through trust in vision of institute plays vital role for growth of institute. Every faculty is entrusted with good faith in management vision and coordinate all activities with integrity.

**2. Academic Practice**

**Our outlook represents our highest aspirations for how we engage in best academic practices for creating dynamic professional of tomorrow for the development of society and nation. We believe that when we most fully embody our thoughts and actions, they will work in concert and enable us to fulfill our mission of reaching newer heights of academic excellence. This is achieved through multiple practices used to mould our students to intern have the best in themselves.**

**a. Instilling academic excellence:The institute works in a planned, purposeful, progressive, and systematic manner in order to create positive improvements in the teaching learning system to address the society’s needs from time to time. Student centric methods, such as experiential learning, participative learning, problem solving methodologies and flipped classroom are integrated with the curriculum and are used for enhancing learning experiences.**

**b. Hands on learning: Collaborative as well as experiential learning is achieved through course projects, semester projects and final year projects wherein students develop prototype solutions for engineering problems. This helps them become the “Ready Engineers” of tomorrow**

**c. Lifelong learning: The taste forLifelong learning is instilled early in the students by creating a good research culture in the students. Lifelong learning cannot be theoretically taught- rather it has to come by experience. Hence Research culture is nurtured in students by exposing them to project based learning where students learn to apply the concepts learned in classrooms in real life thereby honing the higher levels of Blooms Taxonomy like “Apply Design and Create”. All students are given training to publish journal and conference papers by arraigning student conferences every semester. Indeed the fast learners are given opportunity by our competent faculty to work in cutting edge research projects from funding agencies like ISRO, DST and RJSTC. As a result of these efforts, students at VIT Pune get the crucial head start in the competitive world to pave a way to a bright and prosperous career.**

**d. Ethical values. Humane values and ethics are also equally important to shape individual life and society at large. They are essential for positive human behavior and actions in our daily lives which impact everybody around us. They are formed on the basis of one’s association and relevant inputs received while growing up.Professionals with strong values and ethical principles and are capable of making right judgments, applying their skills, and making correct decisions in difficult situations enabling them to be true leaders and make a positive impact on society. Apart from teaching courses on ethics students are given the best examples of ethical behavior in the institute itself through transparent academic systems and highest value for “clean” academic practices and zero tolerance to misdemeanor and palgarism.**

**e. Teamwork: We recognize that no single person or idea can solve public education’s complex challenges and believe that people working together can create greater impact than any one individual can accomplish alone. To help students practically experience this they are given opportunity to work in project teams right from first semester. They also work in groups in various technical events and competitions in and outside the college.**

**3. Research**

In any engineering institute, research strengthens teaching - learning process. The faculty at VIT, Pune is also active in evolving the research culture at the institute. Our relentless effort is always to foster research to contribute towards societal benefits. Following are some of the initiatives undertaken by the institute for strengthening research culture:

* As part of local management committee Dean (Research and Development), Dean (Industry Relations) and Dean (Faculty Development) have been appointed for policy making and initiating various R&D related activities. To percolate the policies and vision related to research in every department, Assistant Head-Research has also been appointed.
* Established Research Forum, which consists of faculty actively pursuing research.
* For development of the faculty, efforts such as deputing faculty for internship in industry, collaborative research, encouragement for PhD, facilitating for knowledge creation, trainings, organizing various faculty competitions are undertaken.
* Based on expertise faculty is encouraged to generate funds through consultancy/research projects/training/patents.
* Faculty contributing in research is appreciated by awards and recognition.
* To bring out research potential of the students, institute is doing significant innovations in the Teaching – Learning process such as project centric learning, student conferences, technical activities, semester long internships to industry/research organizations.
* Establishment of 2-3 Center of Excellence in each department like Data Sciences, Machine Learning, Image and Signal Processing, Computer Vision, Data Cooling, Non-conventional energy sources, Advance Manufacturing Processes, Ergonomics, Water Treatment, Bio-medical Instrumentation etc.
* Establishment of Technology Development and Incubation center
* Only NSF Center in India

Institute encourage creativity and innovation for research.

**4. Use of Technology for Social and National Development**

Vishwakarma Institute of Technology (VIT), Pune has achieved an acclaimed position in the

country by imparting knowledge and skill based quality education. It has also imbibed students

with the moral responsibility and commitment to utilize technical knowledge for social service

thereby supporting national development. The NSS unit of the institute actively implements

different activities related to it.

“Aatmabodh” is the most impact making activity of the institute in which the senior citizens in

nearby areas are provided with the basic knowledge of computer, internet and online payments.

This results in enrichment of the technical knowledge of elderly people and also increases their

confidence in getting acquainted with modern technology.

“Teach for India” is another activity in which VIT students along with some NGOs carry out

various Science projects along with Art and Craft exercises in assigned primary schools. The

students in the schools have learned a lot joyfully, through these activities.

VIT students have actively participated in cleanliness drives in the rural and urban areas aiming

to contribute in “Swacch Bharat Abhiyan”.

VIT in collaboration with Asian Institute of Technology (AIT) Thailand has successfully

completed a research project “Reinventing Toilet” funded by Bill & Melinda Gates Foundation,

USA.