

## PERSPECTIVE PLAN: 2020 – 2030

VPS CET Institute of Technology, Lonavala, Pune



*OUR DYNAMIC LEADERSHIP*





**Hon. Shri. G. V. Shingre**  
**Founder President, VPS Group**

A college with a difference, it has been designed to provide quality education for budding engineers from rural masses. For betterment of the Institute, I have a renowned team of educationalist, scientists and technocrats, who will provide with insights that are directly beneficial for their preparation as professionals gearing up to be placed in an extremely dynamic national and global advanced systems and technologies.

We provide you with the best of professional atmosphere and secured future so that hard earned money of the parents is put to best use. We shall excel them in every walk of life and help them develop professional qualities in them for their bright future. Our Institutes are playing active role in imparting excellent training and quality education to the youths, inculcating in them a sense of leadership in various professions, industries and other fields of development.



## OUR DYNAMIC LEADERSHIP



**Hon. Shri. S.B. Gawali**  
**Founder Secretary, VPS Group**  
*We build a bright future at VPSCET Institutes!*

Education is the most powerful weapon we can use to change the world. A well maintain campus provides good academic Ambience. In addition to gaining academic knowledge and skills there are many opportunities for students for further development.

As engineers plays most important role to create new inventions using best engineering technologies to make human life more comfortable, secure and productive. So goal of our institute VPSCET is to provide complete package of educational services to our students and provide them some extra skills while we provide the students all facilities such as library, well developed lab, Net connection, Sports ground with quality education.

It is my pleasure to tell you that we have a vision to produce better professionals and good citizen. We hope that the long list of distinguished alumni who are serving administration, education, corporate, politics etc. would stimulate the youth into positive direction for the development of society.





## THE CAPTAIN OF THE SHIP



**Dr. Manav A. Thakur,  
Principal, VPSCET, Lonavala**

*VPSCET being premier Institute is committed to fulfil ambitions for excellence in quality technical education, produce competent engineers and good human beings.*

The institute contributes to quality education in three disciplines viz. Civil Engineering, Computer Science & Engineering and Mechanical Engineering. Since inception, the institute has turned out many successful engineers and entrepreneurs who are serving the society. The institute is located amidst beautiful and natural scenery, near Lonavala where learning is joyful and skilful. With self-sufficient infrastructure, well equipped laboratories and modern library, students are able to complete their bachelor's degree with intended skills and knowledge so as to meet the rapidly changing demands of the industry and stand firm in this competitive world. Visionary Management and pool of experienced & committed faculty are striving continually to give the best to the student community.



## OUR SOURCE OF STRENGTH & INSPIRATION



**Academic Dean,  
Vpscet Institutes**

*We welcome you to experience the difference*

Vpscet trust is known for its strong Academic culture and legacy to act in social cause. Vpscet is a Skill Based Engineering college; we are committed to provide high quality education to its students and revamp them into capable professionals with knowledge and skills, to understand the professional and ethical advancements. Understanding the essentials of students we have a well-defined teaching learning process; we focus on various pedagogical concepts. We take every care of all-round personality development of individual student along with academic excellence, right from the first year of the professional life, the students of Vpscet are accomplished with internship and project based learning as a part of curriculum. At Vpscet we focus on - enhancing employability rate, innovation, entrepreneurship development, and making environment friendly society inclusive of local needs. Also we at Vpscet provide languages like the Japanese and German to make them acceptable in this competitive world. Vpscet has well-equipped laboratories with substantial support amenities are our strong points. Well qualified, enthusiastic, experienced and friendly teaching and non-teaching staff forms the backbone of our team. They strive to upgrade and update their technical expertise with zeal. The Institute constantly strives to enrich ethical and professional work culture among the students. The progress of Vpscet is keen to seek handholding with distinguished centers of learning in India and Abroad.

I extend a warm invitation to all the aspiring students to be part of our charged team.

I look forward to your suggestions, collaborations and active contributions in our technical journey towards perfection.



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### Our Management Bodies:

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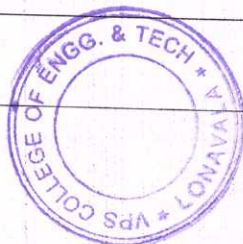
#### Board of Trustees

Board of Trustees of VPSCET Institute of Technology, Lonavala is constituted under VPSCET Technical registered under the Bombay public trusts act, 1950 (Bom. XXIX of 1950) at public trusts Registration Office Poona Region Poona. No. in the register of public Trust F62 At Date 7<sup>th</sup> November 1952.

This is the supreme authority to provide us all the rules and regulations for running the institute smoothly. They provide us all the infrastructure and other privileges to conduct day to day affairs. The members of the Board of the Trustees discuss issues/matters at an interval of six months in the presence of President. The members Secretary of the Board of Trustees place the points in front of the members.

#### List of Board of Trustees Members for Academic Year 20202-23

Sr. No.	Name of Member	Designation
1	Dr. G. V. Shingre	President
2	Mr. A. S. Mehata	Member
3	Mr. K.S. Bhurat	Member
4	Mr. H. B. Nirgudkar	Member
5	Dr. M. Garware	Member
6	Mr. V. K. Bhurke	Member
7	Mr. K. V. Kulakrni	Member
8	Mr. S. H. Agarwal	Member
9	Mr. P. B. Kudale	Member
10	Mr. S.B. Gavli	Secretary (AC)
11	Mr. D. H. Saraf	Secretary





### Governing Body

Date : / / 20

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The outcome of Board of Trustees is thoroughly discussed point to point in Governing body Meeting. If they feel some corrections, they report the same things to Board of Trustees for discussion and get it confirmed by them.

#### List of Governing Body Members for Academic Year 2022-23

Sr. No.	Name of Member	Designation
1	Dr. G. V. Shingre	President
2	Mr. A. S. Mehata	Member
3	Mr. K.S. Bhurat	Member
4	Mr. H. B. Nirgudkar	Member
5	Dr. M. Garware	Member
6	Mr. V. K. Bhurke	Member
7	Mr. K. V. Kulakrni	Member
8	Mr. S. H. Agarwal	Member
9	Mr. P. B. Kudale	Member
10	Mr. S.B. Gavli	Secretary (AC)
11	Mr. D. H. Saraf	Secretary





## Academic Monitoring Committee

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Academic Monitoring Committee is responsible for drafting, implementing different academic policies for smooth & uniform conduction of academics throughout the academic year. At the commencement of academic year action plans are discussed with the Principal and Heads of various departments for delivering effective teaching learning process. The academic monitoring committee reviews the effectiveness of action plans as well as advocate the measures for improvement.

The Academic Monitoring Committee monitors the following activities:

- The progress of the coverage of the syllabus and attendance of the students of each class.
- Academic calendar for conducting various activities by all departments.
- Effective operation of all activities mentioned in academic calendar and inperspective plan.
- Extra-curricular activities for overall growth of students and participation of all stake holders.
- Periodical feedback of stakeholders and corrective action on it.

### List of Academic Monitoring Committee Members for Academic Year 2022-23

Sr No.	Name of Member	Designation
1	Dr. Manav A. Thakur	Principal
2	Mr. Rohit Jagtap	Member/Sr. Admin Officer
3	Mrs. Mamta Shinde	Academic Dean
4	Mr. Hussain Shaikh	CEO
5	Dr. Harish Harsurkar, HOD (Mech)	Member
6	Mrs. Soni Ragao, HOD(Comp)	Member
7	Mr. . Pranesh Chawhan, HOD(Civil)	Member





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### Process of Perspective Plan

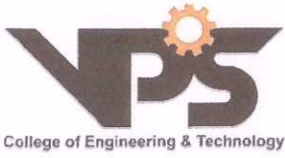
The institution has a long-term planning for the growth and development that is reflected in its Perspective Plan. The Internal Quality Assurance Cell (IQAC) of the Institute takes initiatives in the preparation of the perspective plan. All the quality indicators determined by NAAC framework is inclined towards the development of the institution that refers to the quality sustenance and quality enrichment. It intends to cover social, economic and spatial development of all stake holders.

National Education Policy 2020 envisions an India-centric education system that contributes directly to transforming our nation sustainably into an equitable and vibrant knowledge society by providing high-quality education to all.

1. Students should not only learn but also should learn how to learn.
  2. Implementation of three language formula
  3. Scientific temper
  4. Communication
  5. Ethical reasoning
  6. Nurturing the culture of teaching
  7. Propel the GER (Gross Enrolment Ratio)
  8. Autonomy must mean the freedom to Innovate
  9. Institute will take the lead in community service.
  10. Curriculum, pedagogy, assessment and student support will be revamped.
  11. Internationalization of higher education
  12. Research and Innovation across the country in all academic disciplines
- Need of a born teacher, not like for the sake of teacher







# Vidya Prasarini Sabha's College of Engineering and Technology, Lonavala

Affiliated to Savitribai Phule Pune University, Pune  
AICTE Permanent Id : 1-1510254684, DTE Code : 6815  
Gat No. 685, Waksai, Tal. Maval, Lonavla, Dist. Pune. 410405

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## PERSPECTIVE PLAN:2020-2023

Who we are

### About VPSCET Technical Education Society

VPS College of Engineering & Technology (VPSCET) is private unaided institution that was established in the year 2013. The institute offers three undergraduate engineering programmes of four year duration namely Mechanical Engineering, Computer Engineering, Civil Engineering. Six engineering departments are offering post-graduate programs by University of Pune. It has a total under-graduate of 500. All the courses are approved by All India Council for Technical Education (AICTE) and affiliated to University of Pune.

## VPS History

Vidya Prasarini Sabha, Pune was established in the year 1923 with an objective in mind to provide education to children from diverse background. In the past 91 years this bud has grown into a big tree. Vidya Prasarini Sabha now has more than 22 branch institutes.

Vidya Prasarini Sabha is now providing education in every domain, like D. Ed., B. Ed. English Medium Schools, Higher and Secondary Higher schools, Junior Colleges, BCA, BCS College. Our recent big achievement is we have started Engineering College in our Lonavala Campus.

Come, be a part of Vidya Prasarini Sabha and give us an opportunity to make student a responsible citizen of India and of the world community.





*Vision of the Institute*

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**To be recognized as among the leading institutions imparting quality Engineering Education to produce world class professional to take challenges at global level. They will be pride of india**

**Mission of the Institute**

To provide an environment of high academic and entrepreneurship for all those aspiring students, which will prepare them to face global challenges and maintaining high standards. Vision and Mission of the Institute focuses on the needs of society by providing quality education. The governance comprising Governing Body (GB), Local Management Committee (LMC), and Academic monitoring committee (AMC) and Internal Quality Assurance Cell (IQAC) play significant roles in the evolutionary reforms towards positioning the Institute. A full freedom (academic, administrative and financial) is then given to the Principal, HODs and faculty in accordance with policy.

**QUALITY POLICY**

To provide educational services of the highest quality both curricular and co-curricular to enable students integrate skills and serve the industry and society equally well at global level.

**Objective**

- All-round development of students relevant to the needs of industry and making them competent to face the challenges of globalization.
- Empowerment of faculty and staff through continuing education.
- Develop strong Industry-Institute Interaction to offer expertise for projects, training, testing & calibration and consultancy.
- Overall development of students through Student Training Programmes (STPs) and Value Addition Programmes (VAPs).
- Serve as Engineering Knowledge Centre (EKC) for society in general.

The vision, mission and objectives are displayed in the department at the HODs offices, notice boards, on the website, departmental newsletters, and magazine,





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Date: \_\_\_\_\_  
The institute implements rigorous academic activities to ensure each of the implied components of the vision, mission and objectives is addressed. Strictly monitored process of planning and implementation, followed year after year, has shown improvement in academic performance of students.

Following standard operating procedure is adopted:

1. Program Educational Objectives (PEOs) are defined by the faculty of the department in line with vision and mission of the Institute.
2. Based on above PEOs, Programme Outcomes (POs) are defined.
3. Savitribai Phule Pune University curriculum is enhanced with institute defined modules.
4. Subject allotment is done on the basis of subject expertise with highest priority to junior faculty.

### Short Term Goals

- All-round development of students relevant to the needs of industries and making them competent to face the challenges due to globalization
- Development of faculty and staff by deputing for higher studies and skill up-gradation To strengthen industry liaison by way of faculty training, student's projects, testing, memorandum of understandings (MoUs) etc.
- To start post graduate programme in information technology
- To start doctoral programmes in engineering
- To foster R & D activities in the departments

### Long Term Goals

- Establish centre of excellence in engineering research
- Develop strong industry-institute interaction to offer expertise for projects, training and consultancy
- Seek academic autonomy leading to university status
- Serve as engineering knowledge centre for society, in general





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Institute Perspective Plan 2020-2030

Ref. No. vpscet/ *Following is the perspective plan of the Institute:* Date : / / 20

1. **Improving the quality of Teaching – Learning Process**
2. *Encouragement of research among staff and student*
3. **Enhancing Industry – Institute – Interaction**
4. *Engaging extension activities (case study of Tectonic)*
5. **Quality Assurance Measures**
6. *Infrastructure Development*
7. **Green Campus**
8. *Academic Autonomy*

The details are as follows:

1. *Improving the quality of Teaching – Learning Process*
  - To provide more student-centric teaching – learning Pedagogy.
  - To induct all the upcoming programs of SPPU like Honors Degree Programme of respective BoS of University.
  - To up-graduate the skills of Faculty and Staff through STTPs, FDPs, QIP, Workshop, Webinars, NPTEL, Virtual Lab, IBM Skill Build, Udemy etc.
  - To modify infrastructure with modern ICT teaching aid, WiFi facility,
  - To develop Digital Library with all related software for Online and Offline facility.
  - To enhance Industry interface through visits, internships and sponsored projects.
  - To encourage student for Startups and Entrepreneurship.
  - To analyze the feedback from all stake holders through ERP for Quality Improvement.
  - To undertake sponsored project with participation from the industry





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- To establish center of excellence in emerging technology
- To establish Career Counselling Center to excel student's personality development.
- To involve students in curricular and Extra-curricular activities to enhance employability of students.
- To develop well planned activities for fast learners and slow learners.
- To motivate students to participate in National and International competitions.
- To guide the students for higher studies and Competitive Exams.

2. *Encouragement of Research among staff and students*

- To provide the platform to the faculty and students for R & D activities.
- To involve students in creative thinking and innovative activities.
- To encourage faculty members to undertake research work and research publication in a reputed journal, conferences, etc.
- To motivate students to attend conferences, workshops, project of research orientation, publish research/review papers, etc.
- To invite experts and eminent person on research committee for evaluating progress of research activities in various departments.
- To take efforts to undertake sponsored research project, file and publish patents.
- To motivate faculty members to get the funding under the category of Research Promotion Scheme (RPS).

3. *Enhancing Industry-Institution Interaction*

- Providing platform to the students to undertake internship in respective industries





Ref. No. Vpscet/ Providing skill based training to the student. Date : / / 20

- Signing MoU with organization/corporate/industry to exchange the knowledge and expertise in related program of engineering.
- Make an effort to educate the students for entrepreneurship.

#### 4. *Engaging extension activities*

- Inculcating a value-added system in students by Value Added Program (VAP), Student Training Program (STP), GATE, GRE, TOEFL, Foreign Language Courses, Soft skill Training etc.
- Developing leadership qualities in students through various activities such as Techtonic
- Contributing to social change and promoting green initiatives
- Enhancing operational efficiency in academic and administration for better results.

#### 5. *Quality Assurance Measures*

##### ▪ *Internal Quality Assurance Cell (IQAC)*

- Institute has well established IQAC, which meets regularly to assess academic achievement and administrative working for enhancing the quality of the education in the institute.
- The Institute has plans to go for every next cycle of NAAC and NBA.

#### 6. *Infrastructure Development*

- Starting separate spacious central library by 2020-2021 to be completed by 2024- 2025.
- Separate Innovation and Incubation Centre with de facto standards for the completed by 2024-2025.





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• Good, Spacious refractory building for boys.

Date : / / 20

- Alumni Block in next two years.

#### 7. *Green Campus*

The institute has established procedures for waste management. Reduce, Reuse and Recycle policy is emphasizing to promote energy conservation, to maintain green and clean campus.

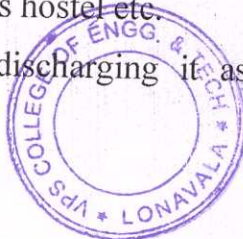
**Following procedures are adopted for various types of waste management:**

#### A. *Solid waste management:*

- Waste like plastic, papers etc. are collected and sold out to scrap vendor from time to time.
- One side printed papers are reused for daily academic and administrative purposes. The paper waste (news-papers, examination answer sheets, files and journals) are shredded and sold to the agency for recycling.
- Daily garbage and biomass are collected by agency appointed and is disposed.
- The food waste from canteen is separated as dry and wet garbage in separate waste containers and disposed.
- Metal scrap is sold out in auction. The old jobs are reworked and reused for students practical.

#### B. *Liquid waste management / Waste recycling system:*

- The waste water lines from all toilets, bathrooms, kitchens etc. are connected to the septic tank.
- Waste water generated from Campus which includes sewage from the Institute buildings, boy's hostels, girl's hostel etc.
- It needs treatment before discharging it as effluent into natural





Ref. No. vpscet/ stream/river etc. and same treated waste water is utilized for various / 20  
purposes like gardening and irrigation.

- To treat waste water, 3E (Eco-friendly, Economical, and Efficient) microbial culture technology is adopted by the institute.

*C. E-waste management:*

- The major E-waste includes desktop computers; UPSs, laptops, LCD and TFT monitors, and stabilizers are the most widely generated and stored properly.
- The Institute do categorization of e-waste based on hazardous and nonhazardous substances.
- Institute implemented various strategies of E-waste management in campus such as repair, reuse in coordination with various agencies.
- Reuse of components in mini projects and hobby projects of students, and displayed in corridors and laboratories for demonstration.
- The e-wastes like computers, keyboards mouse's etc. are collected and are disposed to the scrap dealer based upon the highest bidding.

*D. Tree Plantation:*

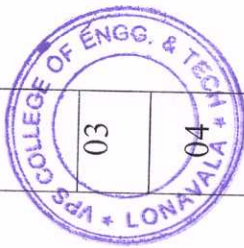
From the inception of this campus, it was seriously instated to establish the green environment and pollution free atmosphere. Tree plantation and garden developments are done on large scale. **Corporate garden** is one of the innovative concepts established with corporate world by planting trees on names of placement companies visited to campus. Also, on birthday of faculty members tree plantation is done as a corporate responsibility.

In future also in collaboration with NSS unit of our Institute, this tree





Sr. No.	Strategy/ Goal	Matric	2020-2021 (Baseline)	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029	2029-2030
01	Improving the quality of Teaching - Learning Process	Up-gradation of skills of faculty (STTP, FDP, QIP, Workshop, NPTEL, IBM Skill Build, Udemy etc.)	80%	90%	100%	100%	100%	100%	100%	100%	100%	100%
02		Industry interface (Internship)	80%	90%	100%	100%	100%	100%	100%	100%	100%	100%
03		Staff feedback	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
04		Sponsored project	50%	60%	70%	80%	90%	100%	100%	100%	100%	100%
05	Encouragement of Research among staff and students	Center of excellence	50%	60%	70%	80%	90%	100%	100%	100%	100%	100%
06		Patent filing and Publishing	30%	40%	50%	60%	70%	80%	90%	100%	100%	100%
07		Faculty Funding	20%	30%	40%	50%	60%	70%	80%	90%	100%	100%

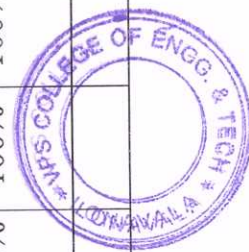


08	Faculty member research work and research	50%	60%	70%	80%	90%	100%	100%	100%	100%	100%	100%
09	Students- research work and research publication	30%	40%	50%	60%	70%	80%	90%	100%	100%	100%	100%
10	<b>Enhancing Industry- Institution Interaction</b> Skill based training	80%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
11	MoU	30%	40%	50%	60%	70%	80%	90%	100%	100%	100%	100%
12	Entrepreneurship	20%	30%	40%	50%	60%	70%	80%	90%	100%	100%	100%
13	<b>Engaging extension activities</b> Extension activities	80%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
14	Social change and promoting green initiatives	80%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
	Operational											





08	Faculty member research work and research	50%	60%	70%	80%	90%	100%	100%	100%	100%	100%	100%
09	Students- research work and research publication	30%	40%	50%	60%	70%	80%	90%	100%	100%	100%	100%
10	Skill based training	80%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
11	MoU	30%	40%	50%	60%	70%	80%	90%	100%	100%	100%	100%
12	Entrepreneurship	20%	30%	40%	50%	60%	70%	80%	90%	100%	100%	100%
13	Engaging extension activities	80%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
14	Social change and promoting green initiatives	80%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
	Operational											



16	Quality Assurance Measures	Accreditation and Re-accreditation	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
17		Participation into the NIRF, Atal Ranking	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
18	Infrastructure Development	Maintaining high degree of living standards and hygiene at hostels.	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
19		Sport facilities- both indoor and outdoor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
20		separate spacious central	80%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

