

Amrutvahini Sheti & Shikshan Vikas Sanstha's
AMRUTVAHINI COLLEGE OF ENGINEERING,
SANGAMNER – 422602



PERSPECTIVE PLAN
2019-2029





OUR SOURCE OF STRENGTH & INSPIRATION



Hon Shri. Bhausaheb Santuji Thorat

Founder President

**Amrutvahini Sheti and Shikshan Vikas Sanstha,
Amrutnagar, Sangamner.**

The concept of un-aided Engineering College was put forth by Padmashri Shri. Vasantdada Patil in 1983. The vision, untiring efforts, multidimensional thinking of a humble farmer, freedom fighter, social worker and the doyen of co-operative movement Sahakarmaharshi Shri. Bhausaheb Santuji Thorat alias Dada laid the foundation of "Amrutvahini Sheti & Shikshan Vikas Sanstha" in 1978 at Sangamner. An altruistic vision and aspiration of Dada was to start and propagate the higher technical education to the students of rural area and create long lasting imprints of Sangamner. Over the years, Amrutvahini Sheti and Shikshan Vikas Sanstha has become an integral part of each and every employee.

Dada used to say, "Since 1983 more than 15,000 students have completed their engineering and managerial education under the umbrella of Amrutvahini and have settled all over India right from Kanyakumari to Jammu-Kashmir and even abroad. Whenever they meet and tell me their success stories, my heart fills with joy along with tears in my eyes."

“...उसंत, फुरसत मला कधी ठाऊकच नाही. तरीही कामाच्या व्यापातून जेव्हा कधी मोकळा वेळ मिळतो, तेव्हा मी या टेकडीवर ‘अमृतकुटी’त चिंतनासाठी येऊन बसतो. तेथून सभोवताली नजर टाकताना माझ्या दृष्टिपथात येतो उजाड माळरानावर झालेला अद्भूत बदल आणि उभ्या राहिलेल्या विकासाच्या नवनवीन योजना. त्यातून मिळतो माझ्या मनाला कार्यपूर्तीचा असीम आनंद आणि सुचतात कल्पना भविष्याचा वेध घेणाऱ्या ! दिसतात स्वप्ने नित्य नव्या निर्मितीची आणि होतातही साकार अगणित सहकाऱ्यांच्या सहकार्याच्या सामर्थ्यातून !”

मा. भाऊसाहेब थोरात यांच्या ‘अमृतगाथा’ या आत्मचरित्रातून



OUR DYNAMIC LEADERSHIP



Hon'ble Shri. Balasaheb Thorat

President

**Amrutvahini Sheti and Shikshan Vikas Sanstha,
Amrutnagar, Sangamner.**

Minister for Revenue, Government of Maharashtra.

The Hon'ble President took upon himself the arduous task of translating the vision of Hon'ble Bhausahab Thorat into concrete realities by imbibing the virtue of hard work and honesty to achieve excellence in the sphere of education through his dynamic and pragmatic leadership. It is under his able guidance that the college has expanded its horizons and achieved the distinction of being rated as the 'Best College' by the prestigious University of Pune along with other credentials.

*Happiness, satisfaction and success in life depends on making
the right choices, the winning choices.*

*There are forces in life working for you and against you.
One must distinguish the beneficial forces from the malevolent ones
and choose correctly between them.*



OUR MORAL SUPPORT



Hon. Dr. Sudhir Bhaskarrao Tambe

Trustee

**Amrutvahini Sheti and Shikshan Vikas Sanstha,
Amrutnagar, Sangamner.**

**Member of Legislative Council, Maharashtra State.
M.S. (General Surgeon)**

A doctor by profession, Dr. Sudhirji Tambe is a generous person with a flair for culture and art. With his dynamic and versatile personality, he has been a mentor to the poor and socially backward people. He has also been acting as a strong guiding force to this college. His vision is to provide quality education to the students and make them capable of facing the challenges of the globalized world.

ज्ञानाचे पिपासू आम्ही
जिज्ञासा आमची जननी आहे
जिंकण्यासाठीच जन्म घेतो
यश आमच्या रक्तात आहे.



THE CAPTAIN OF THE SHIP



Dr. M. A. Venkatesh
Principal

Knowledge and hence the education is the openings for newer and newer horizons. After the 70 years of independence, India has won the overall championship in the various emerging educational fields like, science, engineering, technology, medical, industry, arts, commerce, farm etc. Looking at present scenario, India might be having a monarch-ship in quite very near future in 21st century compared to the rest of the world. This has the roots in the propagation of a quality, proficiency and very high degree of primary as well as advanced education at various levels to Indian societies. During the last few decades the knowledge traits have been cultivated to be at precise, rapid and innovative levels in Indian education system. Presently, this process rate has been increased enormously leading to highly professional dynamic, talented, skilled personalities. Looking at rapid cultivation of such personalities, we are also committed to very good quality of teaching-learning process with having maintained high grade discipline among the staff and students and to achieve sky-scraping point superiority in academic by maintaining a conductive atmosphere for studies, state-of art laboratories communication centre and digital library. In another view, we aim at development of our student at different levels by the proper encouragement, guidance, support and generation of in-house recourses by giving them a confidence to feel free at home. We further also committed to arrange scientific and/or technological based conferences, We are quite self-assured for the moulding and nurturing of our students as a young, bright, dynamic, talented & professional technocrats and a responsible gentle citizen by raising the our actions to at high quality technical education.



Board of Trustees

Board of Trustees of Amrutvahini College of Engineering, Sangamner is constituted under Amrutvahini sheti and Shikshan Vikas Sanstha vide Bombay public Trust Act. 1950 Registration Number -274(Ahmednagar) dated- 30/11/1978 Society Registration Act.No.MAH/317/Ahmednagar/78 dated – 08/08/1978.

This is the supreme authority to provide all the rules and regulations for running the institute smoothly. They provide us all the infrastructure and other privilege 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 Chairman .The member Secretary of the Board of Trustees place the points in front of the members.

1	Hon. Shri. Balasaheb Bhausahab Thorat	President
2	Shri. K. H. alias Balasaheb Gunjal Patil	Vice-president
3	Hon. Shri Dr. Sudhir Bhaskarrao Tambe	Trustee
4	Shri. Adv. Ramnath Bhaurao Sonawane	Trustee
5	Shri. Bajirao Khanduji Khemnar	Trustee
6	Shri. Laxmanrao Balaji Kute	Trustee
7	Shri. Tulashiram Prabhakar Bhor	Trustee
8	Mrs. Sharyu Ranjeet Deshmukh	Trustee



Governing Council

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

1	Hon. Shri Balasaheb Bhausaheb Thorat ,M.LA	Chairman
2	Hon. Shri Dr. Sudhir Bhaskarrao Tambe, M.L.C.	Member
3	Hon. Shri K.H. alias Balasaheb Gunjal Patil	Member
4	Shri. Sanjay Shivajirao Dighe	Member
5	Shri. Anil Baburao Shinde, Chief Executive	Member
6	Nominee of central government nominated by AICTE (Ex. Officer)	Member
7	Joint Director, Technical Education Regional Office, Nashik (Nominee of State government D.T.E. Mumbai) (Ex. Officer)	Member
8	Nominee of S. P. Pune University, Pune	Member
9	Dr. Ms. Baisa Laxman Gunjal	Member
10	Dr. Jyotiba Bhalchandra Gurav	Member
11	Prof. Ashok Kumar Mishra	Member
12	Dr. M.A. Venkatesh, Principal	Secretary member



College Development Committee

This committee prepare an overall comprehensive development plan of the college regarding academic, administrative and infrastructural growth, and Enable College to foster excellence in curricular, co-curricular and extra-curricular activities.

Sr. No.	Name of the Nominated Person	Designation
1.	Shri. Balasaheb Bhausahab Thorat	President
2.	Dr. Sudhir Bhaskarrao Tambe	Local Member
3.	Shri. Anil Baburao Shinde	Secretary of the Management
4.	Dr. Madhukar Ramchandra Wakchuare	Head Of Civil Engg. Department
5.	Prof. Ms. Swati Babasaheb Bhonde	Teacher
6.	Prof. Dipak Shriramji Bajaj	Teacher
7.	Prof. Vijay Pundlik Waghe	Teacher
8.	Shri. Janardhan Jayram Gadakh	Non-Teaching
9.	Shri. Sanjay Shivaji Dighe	Industry and Alumni
10.	Dr. Arvind D. Shaligram	Research
11.	Prof.(Dr.) Keshav N. Nandurkar	Education
12.	Prof. Ravindra Somnath Tajane	IQAC Coordinator
13.	Ms. Kalyani Ahire	President of College Students Council
14.	Ms. Bharati Dake	Secretary of College Student Council
15.	Dr. M. A. Venkatesh	Member Secretary



Academic Advisory Board (AAB)

The management, faculty and staff recognizes the need of effective advisory board as it is critical to our mission in educating and preparing competent engineers capable of playing a meaningful and productive role in the global workforce of the future.

This policy establishes the basis for the formation of Academic Advisory Body, including their composition, membership, terms and recommendations.

Sr. No.	Name	Representative	Designation
1.	Dr. M. A. Venkatesh	Principal	Chair Person
2.	Shri. A. B. Shinde	Chief Executive Officer (CEO)	Member
3.	Dr. Sriram Hegde IIT Delhi	Distinguished academician	Member
4.	Shri. P. S. Krishnan Taparia Tools, Nashik	Experienced and well-versed industry person	Member
5.	Shri. Vinit Adarkar Mercedes-Benz R&D India	Distinguished Alumni	Member
6.	Shri. B. M. Pansare	Parent representative well-versed with technical education and industry requirements	Member
7.	Dr. S. B. Rahane	Faculty representative	Member
8.	Dr. M. R. Wakchaure	Dean Academic	Member Secretary



New National Education Policy: 2019 – 2020

Mr. Thomas Babington Macaulay (1800-1859) proposed the policy of introducing the English education system to British Colonies. After independence on 15th Aug, 1947, the need for a new education policy tabled, headed by Dr. D. S. Kothari. The Parliament passed first education policy in 1968. India has had three date as policy in the year 1968, 1986, and 1992. But it needed a holistic modification and took shape of “new national education policy”: 2020 issue of concurrent, under the hard-headed leadership of Hon’ble Shri **Krishnaswamy Kasturirangan**, former Indian Space Research Organization (ISRO) chief.

The **vision** of the National Education Policy is:

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.

The zest of NEP 2019-2020 is abridged in-

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. College will take the lead in community service.
10. Curriculum, pedagogy, assessment and student support will be revamped.
11. Internationalisation of higher education
12. Research and Innovation across the country in all academic disciplines
13. Need of a born teacher, not like for the sake of teacher



PERSPECTIVE PLAN: 2019 – 2029

Established in 1983, under the leadership of Hon. Late Bhausaheb Thorat, the Institute has been providing a distinctive excellence driven engineering education that grooms the future generations of engineers and entrepreneurs. Currently the college offers undergraduate and postgraduate courses with annual intake of 660 and 132 respectively. The Institution has the coveted honor of accreditation in 2003 and 2007 from NBA, an AICTE wing for quality assurance, New Delhi. Continuing the trend of quality education, the institute has re-accredited by NBA for the third time to all the disciplines by maintaining their quality education and research in 2012. The Institute Is also accredited with A Grade by NAAC Bangalore in 2016. The institute has International Academic Accreditation ISO 9001:2015 by TUV SUD in 2017-18. The college has progressed in leaps and bounds and is continuously improving in all aspects of curricular and extracurricular activities.

1. Vision

To create opportunities for rural students to become able engineers and technocrats through continual excellence in engineering education.

2. Mission

Our mission is to create self-disciplined, physically fit, mentally robust and morally strong engineers and technocrats with high degree of integrity and sense of purpose who are capable to meet challenges of ever advancing technology for the benefit of mankind and nature.

We, the management, the faculty and staff, therefore promise to strive hard and commit ourselves to achieve this objective through a continuous process of learning and appreciation of needs of time.

3. Quality Policy

The College of Engineering is committed to develop in young minds the state-of-the art technology and high academic ambiance by synergistic spiritual values and technological competence continually, in a learning environment.

4. Quality Objectives

1. To strive hard for academic excellence & synergizing spiritual & moral values.
2. To improve overall development of student.
3. To enhance industry-institute interaction.
4. To provide assistance for placement & entrepreneurship development.
5. To promote and encourage R&D activities.



Long Term Plans:

1. To acquire status of renowned Deemed University.
2. To have 100 % Ph.D. holder faculty members in all departments.
3. Modernized Workshop infrastructure to be setup to facilitate revenue generation and skill development with new advanced machinery.
4. To create an industrial complex in workshop.
5. To create Software Park for software companies.
6. More number of IPR for commercialization.
7. Student and faculty exchange program with foreign universities.

Short term plans:

1. To get all programs accreditation with good grades in NBA.
2. To fetch A++ grade in NAAC.
3. To establish new library block equipped with state of the art Technology.
4. Improvement in Cadre ratio in all departments.
5. Qualitative Academic improvement towards excellence.
6. Research center in Computer Engineering, ETC Engineering and MBA department.
7. Providing Manufacturing Services to nearby industries.
8. As per National Education Policy: 2019 – 2020 to initiate academic autonomy.
9. To start new programs in UG like Artificial Intelligence, Data Science, Mechatronics.
10. To start Bachelor of Vocational (B. Voc.) Courses and certificate courses.
11. To strengthen R & D cell through NISP.
12. Proposed to start automation and robotics department instead of production engineering and Electronics and Computer Engineering instead of Electronics Engineering.
13. To achieve NIRF ranking in top 100.
14. To promote multidisciplinary Projects.
15. To receive grants from various agencies like AICTE, CSIR, DST and other funding agencies.
16. Strengthen infrastructure for R&D activities.
17. Collaborative research with renowned industry.
18. Offer skill based knowledge to all the students.
19. TO initiate and strengthen Consultancy activity in all departments.



COLLEGE GROWTH PLAN 2019 – 2029

1. Curricular Aspects

1.1 UG Education.

Goal: To create conducive learning environment for Under Graduates with state of the art infrastructure so that they can be good technocrats and human citizens of this country adorned with diversity in its culture, creed, and beliefs.

Strategies and Tasks :

Strategy 1: To attract high JEE/MHCET merit students and provide a campus environment for producing highly motivated and successful engineers cum entrepreneurs. Following measures have been planned and will be executed to implement the above strategy:

- All classrooms are ICT enabled classrooms.
- Supervised projects (mini and major) from Second year Engg. Onwards.
- More numbers of Guest lectures, technical seminars and workshops.
- Minimum 50 % students' participation in national competitions and conferences.
- Continuous performance evaluation system at various levels as per Outcome based education (OBE).
- Industry interaction and internships to all students.
- Structured Soft skills development, Starting Spanish and Mandarin languages from 2022, 2024 respectively.
- Motivational talks by eminent personalities to excel in varied fields.
- Student mentor system for overall development.
- Online Feedback mechanism for better governance through ERP.



Strategy 2: To achieve excellence in academics and teaching learning environment to ensure zero failures, 70% and 80 % First class and distinctions in 3rd and 4th years respectively and University rankers in each Department:

- Faculty Development Program (FDP) for Faculty members and train the trainer module for newer advanced domains..
- 20% Faculty members should be PhD qualified by 2019. Enrollment at least 50% of the faculty strength to Ph. D. program by 2020-2021. To achieve 100 % Ph.D. qualified staff up to 2024.
- Awarding more number of Amrut scholarships for high merit holders.
- Reward and Recognition Awards for excellence in teaching.
- Continuous evaluation of the effectiveness of the courses taught by faculty.
- Written and oral communication skill Integration throughout curricula.
- Adopting innovative ideas for teaching learning process to achieve objectives of OBE.

Strategy 3: Ensure that all AVCOE students graduate with strong core engineering knowledge enriched by a broad education to ensure that 20% students obtain post-graduation, 100% registered students get placement, and 50% placements are in core engineering and consultancy firms with salary package of Rs 3.5 lakh and above. 20 % students to start with entrepreneurship.

- Prepare students with the ability to use the techniques, skills, and modern engineering tools necessary for modern engineering practice Value Addition Courses in new domains.
- Prepare students for ethical and professional leadership rigorously.
- Prepare students to communicate effectively among diverse audiences.
- Prepare students for lifelong learning and professional improvement.
- Strengthening of Entrepreneurship Development Cell (EDC), Industry Institute Partnership cell (IIP) and effective implementation of National Innovation and Startup Policy (NISP).



Strategy 4: Introduce vocational course in Mechanical and Production Engineering by 2020

- Leverage the Technological advances and introduce new skill based courses.
- Extend the industry resources and know-how to impart/ imbibe industry skill sets to rural youth through MSME like initiatives (PMKVY and B. Voc.).

Strategy 5: Introduce core and emerging engineering courses:

- Automation and robotics department instead of production engineering under Mechanical BoS and Electronics and Computer Engineering instead of Electronics Engineering under Electronics BoS by 2021:
- Mechatronics and AI & DS in Information Technology by 2022 -2023 and emerging disciplines in electronics and Telecommunication, Electrical and power within span of five years.

Strategy 6: To Establish AVCOE as brand in the field of engineering education:

- NAAC accreditation with A++ grade by 2021.
- NBA accreditation for all Departments by 2023.
- By achieving NBA status, introduce new courses of new technological domains in next 5 years.
- NIRF Ranking within first 200 private engineering colleges by 2023.
- Other rankings by recognized rating agencies within first 10 private engineering colleges by 2022 in Savitribai Phule Pune University (SPPU), Pune/ Maharashtra state.
- Best College recognition by SPPU by 2020. Best Principal Award by SPPU by 2021.
- Implement faculty and students exchange programs with Foreign Universities by 2023.



1.2 PG Education

Goal: To develop and sustain nationally recognized engineering research and PG Programs.

Strategies and Tasks :

Strategy 1: Initiate New Programmes in PG and PhD:

- Introduce PG courses in a phased manner for Department of Electronics & Telecommunication in IoT in 2021-22 and, in department of Electrical Engineering under Power systems in 2023-24.
- To increase intake of MBA from 60 to 120 with specialization in International Trade by 2022-23.
- Introduce PhD course in ETC in 2022-23 and, Computer and Electrical Engineering by 2025.
- Starting relevant PG courses as per NEP and Research centers in all the departments.

Strategy 2: Advance the reputation of research programs in industry and outside:

- Accept rural need based project development.
- Accept MOUs with Industry establishments of Pune, Nasik and Ahmednagar.
- Collaborations with Industries, R&D organizations, Government and Foreign Universities to aggressively promote the college's research enterprise and PG programs at the state and national levels.
- To strengthen Entrepreneurship Development Cell (EDC), Industry Institute Partnership cell (IIP).
- To fetch Seminar Grants (SG), Faculty Development Programs (SDP) with industry support and Visiting/ Adjunct Professors from industry.

2. Research & Development

2.1 Research Projects

Strategy 1. Advance research and scholarly enterprise:

- To appoint Faculty with good research and scholarship potential.
- To identify and support programs and areas of emerging distinction (2019 target: 1 of 4 PG programs ranked in top 10 of private research colleges).
- To support Faculty members in pursuing new research programs.
- To have a Center of excellence in each emerging technology by 2025
- To establish HPC center in collaboration with IIT/ NIT by 2023.
- To provide opportunities for UG research experience by organizing National and International Technical Events.

Strategy 2. To improve research synergies with Industry:

- To stimulate long-term, mutually beneficial industrial collaborations (2022 target: 25% Faculty with at least one industry research / consulting contact per year).
- To increase appreciation of entrepreneurship among students and Faculty Members.

Strategy 3. To obtain research grants from various Government sources such as AICTE, DST, UGC, DRDO, SERB, ISRO, RGSTC, BCUD of SPPU, Pune etc.

- To fetch the grant up to INR 50 lakh under MODROBS (Modernization and Removal of Obsolescence of Lab Equipment/Machinery) scheme of AICTE by 2022.
- To motivate the faculty members to get the funding under the category of Research Promotion Scheme (RPS) for innovation in established and newer technologies.



2.2 Consultancy

Strategy 1. To provide consultancy services (such as material testing, planning and design, technical third party audit, structural and electrical audit) in the various of field of engineering such as Civil, Mechanical, Production, Electrical, Computer, Electronics and Electronic & Telecommunication Engineering to Ahmednagar, Nasik, Aurangabad and Pune's infrastructure firms, auto industry and other surrounding areas.

- To have a tie up with Government College of Engineering, IIT, NIT, BATU for consultancy and R&D activities.

Strategy 2. To work Under Unnat Bharat Abhiyan (UBA) and Unnat Maharashtra Abhiyan (UMA) and provide expertise to nearby Talukas, and raise revenue for the institute.

- To get enrolled in the empaneled list of institutes recognized by Government of Maharashtra for consultancy and technical audit work.

2.3 Intellectual Property Rights (IPR)

Strategy 1. Encourage registration of IPR by providing financial support to students and faculty members through IPR policy of the institute.

- To establish Intellectual Property Right cell for smooth conduction of IPR activities.
- To have more number of patents filed (2022 target: two patents per Dept).
- To make commercialization of Patents according to the need.
- To get more number of registrations for various types of IPR such as Design Registration, Copy Right, Trade Mark, Patent and Geographical Indications (if any).
- To implement the guidelines given in National Innovation and Start up Policy (NISP by AICTE).
- To establish Institutions Innovation Council (IIC) cell and conduct various activities related to it.



2.4 Internal Revenue Generation (IRG) Scheme.

Goal: Generate income for sustaining AVCOE growth plan on a No-Profit basis to the tune of Rs.10 Crore by 2029.

Strategy 1. Introduce min. 30 hours/semester value addition technical courses using AVCOE's infrastructure in evening sessions after regular college hours:

- IT Courses on C, C++, Python, R programming, Data structures, Open Source C Programming, JAVA and .Net, Big Data Sciences, AI, ML, Android using current lab set-up and industry experts initially and own trained Faculty thereafter.
- Electronics & Telecommunication Engineering Courses on VLSI embedded systems techniques, Visual instrumentation using Lab-view software.
- Mechanical, Production, Civil Engineering Courses on CAD/CAM, & CAE, 6 SIGMA, CNC / VMC training, CATIA, PCM, STAADPRO, Robotics, BI tools etc.

Strategy 2. Introduce Competitive exams like GATE/ CAT/GRE/TOEFL etc. coaching to achieve at least 20% number of students at NIT/IIT/Any other reputed engineering or management colleges for PG.

Strategy 3. Introduce Finishing School: 30 hour per semester courses on Soft Skills development for all streams of graduation under TPO for Placement and revenue generation.

Strategy 4. Extend the IT infrastructure for conduction of various examinations by external agencies such as NTA, DTE, IBPO etc.



3. Infrastructure Development

1. To create conducive environment at hostels by maintaining high degree of living standards and hygiene.
2. Starting separate spacious library block by 2022-2023 to be completed by 2024-2025.
3. Workshop Complex with G+2 structure to start by 2021-2022 and to be completed by 2023.
4. Separate single occupant hostel complex with de facto standards for the students in PIO category to start in 2023-2024 and to be completed by 2024-2025.
5. Good, Spacious refractory building for boys.
6. Alumni Block in next two years.
7. Ultra-modern Gym facility keeping large number of students' strength in next two to three years.
8. Sport facilities to be enhanced both indoor and outdoor sports like Swimming pool and Lawn Tennis in next four – five years.

4. Academic Autonomy

With all credentials and experience demonstrated over last 36 years in technical education so far and in line with New Education Policy, to apply for autonomy and achieve it. The process we will initiate in **2021-2022** and acquire it in **2022 – 2023** as the last but very important aspect of this perspective plan.

Perspective plan proposed by Principal and approved by CDC –




Dr. M. A. Venkatesh
Principal, AVCOE, Sangamner
Amrutvahini College of Engineering
SANGAMNER - 422 608
Dist.-Ahmednagar (M.S.)

Sr No	Goal	Metric	2019 -	2020 -	2021 -	2022 -	2023 -	2024 -	2025 -	2026 -	2027 -	2028 -
			2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
1.	Curricular Aspects UG Education.	Attract high JEE/MHCET merit students and provide a campus environment for producing highly motivated and successful engineers:	70 %	80%	90%	100%	100%	100%	100%	100%	100%	100%
2.		Maintain excellent teaching, learning environment to achieve zero failures, 70% and 80 % First class and distinctions in 3rd and 4th years respectively and University rankers in each Department	50 %	60%	70%	80%	90%	100%	100%	100%	100%	100%
3.		Ensure that all AVCOE students graduate with strong core engineering knowledge enriched by a broad education to ensure that 20% students obtain post-graduation, 100% registered students get placement, and 50% placements are in core engineering and consultancy firms with salary package of Rs 3.5 lakh and above.	60%	75%	90%	100%	100%	100%	100%	100%	100%	100%



4.		Introduce vocational course in Mechanical and Production Engineering by 2020	50%	75%	100%	100%	100%	100%	100%	100%	100%	100%
5.		Introduce core engineering courses: Automation and robotics department instead of production engineering under Mechanical BoS and Electronics and Computer Engineering instead of Electronics Engineering under Electronics BoS by 2021:	--	--	25%	50%	75%	100%	100%	100%	100%	100%
6.		Mechatronics under Mechanical BoS and AI & DS in Information Technology department under Comp. BoS by 2022 -2023.	--	--	--	25%	50%	75%	100%	100%	100%	100%
7.		Achieve good branding for AVCOE: ▪ NBA accreditation for all Departments by 2023 and NAAC with A++ grade by 2021.	33%	66%	100%	100%	100%	100%	100%	100%	100%	100%



		NIRF Ranking within first 100 private engineering colleges and other rankings by recognized rating agencies within first 10 private engineering colleges by 2022.	25%	50%	100%	100%	100%	100%	100%	100%	100%	100%
		Best College recognition by SP University of Pune by 2020. Best Principal Award by SP University of Pune by 2021.	50%	100%	--	--	--	--	--	--	--	--
		Implement exchange programs with Foreign Universities by 2024.	25%	50%	75%	100%	100%	100%	100%	100%	100%	100%
8.	Curricular Aspects PG Education	Initiate New Programmes in PG and PhD: Introduce PG courses in a phased manner for Department of Electronics & Telecommunication in IoT and, in department of Electrical Engineering under Power systems in 2023-2024.	--	--	--	--	50%	100%	100%	100%	100%	100%
9.		To increase intake of MBA from 60 to 120 with specialization in International Trade by 2022-23.	--	--	--	50%	100%	100%	100%	100%	100%	100%



10.		Introduce PhD course in ETC in 2022-23 and, Computer and Electrical Engineering by 2025.	--	--	--	33%	33%	33%	100%	100%	100%	100%
11.		Advance the reputation of PG programs and research programs in industry and outside	50%	60%	70%	80%	90%	100%	100%	100%	100%	100%
12.	Research & Development	Research Projects Advance research and scholarly enterprise	50%	60%	70%	80%	90%	100%	100%	100%	100%	100%
13.		Improve research synergies with Industry	50%	60%	70%	80%	90%	100%	100%	100%	100%	100%
14.		Obtain research grants from various Government sources such as AICTE, DST, UGC, DRDO, SERB, ISRO, RGSTC, BCUD of SPPU, Pune etc.	50%	60%	70%	80%	90%	100%	100%	100%	100%	100%
15.		Consultancy Provide consultancy services (such as material testing, planning and design, technical third party audit, structural and electrical audit) in the various of field of engineering such	50%	60%	70%	80%	90%	100%	100%	100%	100%	100%



		as Civil, Mechanical, Production, Electrical, Computer, Electronics and Electronic & Telecommunication Engineering to Ahmednagar, Nasik, Aurangabad and Pune's infrastructure firms, auto industry and other surrounding areas.										
		Work Under Unnat Bharat Abhiyan (UBA) and Unnat Maharashtra Abhiyan (UMA) and provide expertise to nearby Talukas, and raise revenue for the institute.	70%	80%	90%	100%	100%	100%	100%	100%	100%	100%
16.		IPR Encourage registration of IPR by providing financial support to students and faculty members through IPR policy of the institute.	50%	60%	70%	80%	90%	100%	100%	100%	100%	100%
17.		Internal Revenue Generation (IRG) Scheme. Goal: Generate income for sustaining AVCOE growth plan on a No-Profit basis to the tune of Rs. 10 Crore by 2029.	50%	60%	70%	80%	90%		100%	100%	100%	100%

18.		Introduce 20 hour/semester value addition technical courses (CEPs) using AVCOE's infrastructure in evening sessions after regular college hours.	50%	60%	70%	80%	90%	100%	100%	100%	100%	100%
19.		Introduce GATE Coaching with Faculty to achieve 20% number of students at NIT/IIT/Any other reputed engineering colleges for PG.	50%	60%	70%	80%	90%	100%	100%	100%	100%	100%
20.		Introduce Finishing School in conjunction with Seed InfoTech: 20 hour per semester courses on Soft Skills development for all streams of graduation under TPO for Placement and revenue generation.	50%	60%	70%	80%	90%	100%	100%	100%	100%	100%
21.		Offer Computer lab facilities, projects and product development for other institutes and industry: Cloud computing online courses and services.	50%	60%	70%	80%	90%	100%	100%	100%	100%	100%
22.	Infrastructure Development	Workshop Complex with G+2 structure to start by 2021-2022 and to be sealed by 2023- 2024.	--	--	33%	66%	100%	--	--	--	--	--



23.		Starting separate library block by 2024-2025 to be completed by 2026-2027.	--	--	--	33%	66%	100%	--	--	--	--
24.		Separate single occupant hostel complex with de facto standards for the students in PIO category to start in 2023-2024 and to be completed by 2024-2025.	--	--	--	--	33%	66%	100%	--	--	--
25.		Alumni Block in next two years.	--	50%	100%	--	--	--	--	--	--	--
26.		Sport facilities to be enhanced both indoor and outdoor sports like Swimming pool and Lawn Tennis.	20%	40%	60%	80%	100%	--	--	--	--	--
27.	To achieve Academic Autonomy	With all credentials and Laurels achieved so far, apply for autonomy and achieve.	--	33%	66%	100%	--	--	--			

Perspective plan year wise progression proposed by Principal and approved by CDC




Dr. M. A. Venkatesh
PRINCIPAL
Principal, AVCOE, Sangamner
SANGAMNER - 422 608
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THANK YOU