



**P. R. Pote (Patil) Education & Welfare Trust's Group of
Institutions College of Engineering & Management,
Amravati**



Recognized by AICTE, New Delhi, Approved by Govt. of Maharashtra, & Affiliated to Sant Gadge Baba
Amravati University, Amravati, Maharashtra State
Accredited by NAAC with A Grade, ISO 9001:2015 Certified Institution
Kathora Road, Amravati, Maharashtra State, India- 444603

STRATEGIC PLAN (2020-2030)

BE

M. E.

MBA, MCA

Ph.D.



VISION & MISSION OF THE INSTITUTE

Vision

To flourish as a centre of excellence for producing the skilled technocrats and committed human beings

Mission

- *To create conducive environment for teaching & learning*
- *To impart quality education through demanding academic programs*
- *To enhance career opportunities by exposure to Industries & recent technologies.*
- *To develop professionals with strong ethics and human values for the betterment of Society.*

GUIDING PRINCIPLES OF PERSPECTIVE PLAN

While preparing the present perspective plan, the IQAC has considered following main objectives:

- 1. NAAC-the observer of quality bench marking in higher education*
- 2. The vision of our parent body- P. R. Pote (Patil) Education & Welfare Trust and*
- 3. Vision and Mission Statement of Our College.*
- 4. Quality Policy of the College*

This has helped us to formulate our future goals.

Core Values of Institute:

- 1. Contributing to National Development*
- 2. Fostering Global Competencies among Students*
- 3. Inculcating a Value System in Students*
- 4. Promoting the Use of Technology*
- 5. Quest for Excellence*

AIM AND OBJECTIVE OF STRATEGIC PLAN

Writing a vision document envisages a concerted team effort. Considering the background of our college as an institution imparting quality education in Engineering field, the College has identified the broad aim of STRATEGIC plan as follows:

- i. To institute a sustained quality system embedded with a conscious, consistent and programmed action.*
- ii. To create an enabling academic environment for students embedded with sincerity, discipline and commitment.*
- iii. To mould humane citizens of the nation.*
- iv. To establish globally the brand image of the college.*
- v. To emerge as a model college for Engineering education.*

To achieve these broad aims, a set of following objectives are identified to be achieved through this strategic plan over the next 10 years:

- 1. To uphold continuously good academic performance.*
- 2. To inculcate learner centric and effective teaching learning process.*
- 3. To ensure transparency and credibility in the process of students' evaluation.*
- 4. To develop a comprehensive system of student mentoring and student support.*
- 5. To take care of horizontal and vertical up gradation of students considering the limits of time and expectations.*
- 6. To create a research culture in faculty and students.*

7. *To launch Industry oriented skills development programmes improving the employability of students.*
8. *To motivate students for self-employment and to enable them to emerge as entrepreneurs.*
9. *To involve a friendly, efficient and flawless administrative set up ensuring a smooth day to day functioning.*
10. *To empower faculty about emerging trend in their profession for academic advancement.*

The envisioned features of the plan are:

- *To get NAAC and NBA Accreditation.*
- *To improve results of students and to produce more students with higher grades in academics.*
- *To start independent in-house publication of research & innovation*
- *To sign a greater number of MoUs with Industry, Research agency and renowned International Institutions.*
- *To Strengthen Institute - Industrial relationship.*
- *To introduce industry relevant programs in association with leading industries through tie-ups.*
- *To reinforce R & D.*
- *To conduct GATE, GRE, TOFEL and other competitive examination classes.*
- *To identify and implement Value added courses to cater to the needs of Industry.*
- *To Organize training programs to improve soft skills.*
- *To Improve the Infrastructure in line with requirement of latest technology.*
- *To Develop Entrepreneurial skills by EDC cell.*

Short term goals: (2020-2024) (5 years)

- *To appoint quality Ph.D. faculty*
- *Quality assurance and endurance through Accreditation by ISO, NAAC and NBA*
- *Academic excellence by achieving by 100% pass in the Examinations*
- *Encouraging student participations in co-curricular and extra-curricular activities for their overall development.*
- *Honing life skills of the students*
- *To conduct Add on / value added courses for students on content beyond syllabus and Industry requirements.*
- *Arranging 100% placements for students*
- *Organizing programs on Entrepreneurship development.*

Long term goals: (2020-2030) (10 years)

- *To be an Autonomous Institute*
- *To attain the status of Centre of Excellence in Technical Education and Research*
- *To offer viable programs of relevance for upliftment of rural students and populace*
- *To develop strong Research & Development Centre*
- *To fully develop Innovation and Incubation centre*

Short Term plan

Area of Concentration	Action Plan
<i>Appointment of Qualified PhD Teachers</i>	<ul style="list-style-type: none"> • Well qualified and experienced teachers to be appointed against all sanctioned posts through rigorous process of interview and demo lectures as per norms and faculty improvement programmes conducted subsequently. • Appointment procedure to be fulfilled before the start of academic term so that faculty will be available for all subjects to conduct all lectures right from beginning of the academic year. • The work culture and professional environment of the college to be familiarized to new entrants through induction meeting with Principal.
<i>Conduct of Periodic Audits and NAAC reassessment and NBA</i>	<p>The college to conduct periodic audits of the college (in addition to Regular Financial Audit (every year) by inviting team of academic peer experts and action to be initiated on their recommendations.</p> <p>The proposed audits to be undertaken in the next 5 years are:</p> <ul style="list-style-type: none"> • Academic audit (every year) • Green Audit including Rain Water Harvesting (every alternate year) • Energy Audit • NAAC reaccreditation • Structural Audit <p>All Audit Reports to be uploaded on the college website for the knowledge of all the stake holders.</p> <p>NBA Accreditation of CSE, EE and EXTC Departments</p>
<i>Allurement of motivated academic achievers to UG and PG programmes and nurture them into skilled technical and managerial workforce with research acumen and social responsibility</i>	<ul style="list-style-type: none"> • The comprehensive advisory system aims at addressing stakeholder's expectations in formation of syllabi/ other contemporary activities, auditing of academic processes and procedures strengthening teaching-learning model through BOS interaction. • Transforming students into an employable workforce includes career counseling and aptitude building, industry experts in curriculum development and strategy formulation and fostering industry tie-ups to converting internships to job offers • Holistic development of students initiates incentives for participation in extra and co-curricular

	<p>activities, organizing Soft-skill development programs, extend technical and financial support for start-ups and inculcation of ethical practices.</p> <ul style="list-style-type: none"> • Encouraging inter-disciplinary research apt to involve UG and PG students in research activities by offering them tasks requiring research capabilities, identify faculty with • Expertise and to provide adequate incentives for publications/IPRs by students and faculty. • Explore possibilities to benefit from MoU's with leading industries and academic institutions and involve industry to offer current technology trends in curriculum through Open Electives or Sponsored Electives and promoting MOOC and SWAYAM's Courses
<p><i>Provision of outstanding and diverse faculty and technological and other facilities so that students receive quality teaching and advising, enabling them to become problem solvers, leaders, and critical thinkers highly sought after by universities, industry, and the government</i></p>	<ul style="list-style-type: none"> • The goal and objective identified for providing outstanding faculty will need recruitment of new faculty with contemporary research exposure, Recruitment of Faculty with Industry exposure, Recruitment of Adjunct Faculty Members. • To have strong and long-standing opportunities for research and development encouraging existing faculty to Pursue PhDs, Participation in STTP and conferences, and also promoting industry assignments will further nurture the research culture in the institute. • Highly qualified and capable faculty members to be retained in the institute by Providing Incentive for Qualification Up gradation / Research Incentives and by Implementation of CAS scheme. • To accelerate innovation and expand learning experience for our students the aim is to go for the up gradation of laboratories, access of the labs for extended hours, providing smart classrooms for better interaction, use of GEMS, updating software and internet facilities in the institute. • To utilize expertise of the industry personnel and their interaction with the students will be increased by arranging their guest lecturers and also engaging them in framing course modules and conducting various industry visits.
<p><i>Improve Internal Support System</i></p>	<ul style="list-style-type: none"> • Introduce GATE Coaching with Faculty by adding a mini-obstacle course to achieve placement of students in reputed National institutes for PG studies.

	<ul style="list-style-type: none"> • <i>Introduce Finishing School.</i> • <i>Offer IT lab facilities, projects and product development for other institutes and industry. Offer Consultancies in Mechanical Civil & Electrical Engineering Departments</i> • <i>College has been participating into the NIRF listings.</i> • <i>The college has a well-established IQAC, which meets regularly to assess academic performance and administrative work to improve the quality of education at the institute.</i>
<p><i>Enhancement of Alumni Engagement</i></p>	<ul style="list-style-type: none"> • <i>Create an Alumni Centre at the Institute to support alumni visits, activities and engagement.</i> • <i>Lifelong Multiple interaction modes such as, interaction between alumni and students, mentoring, interaction between alumni and faculty, alumni inputs for curriculum development, alumni support for student placements and internships, alumni involvement.</i> • <i>Engage alumni Meet Every year.</i>
<p><i>Go Green Campus</i></p>	<ul style="list-style-type: none"> • <i>The most distinctive characteristic of the institute is its close-knit and integrated campus.</i> • <i>The Institute is committed to grow sustainably and develop as a model clean, green campus.</i> • <i>The existing Green Campus Committee which consists of representatives from students, faculty and staff decides campus policies to promote sustainable practices and maintain the flora and fauna of the campus.</i> • <i>This committee will be supported by a cell that will monitor, implement and enable the policies and initiatives of the Committee. Initiatives will include smarter buildings, energy efficient appliances, increased use of renewable energy, improved solid waste and wastewater management systems, increased recycling, and making the campus more pedestrian and cycling friendly.</i>

Long Term Plan

Area of Concentration	Action Plan
<p><i>Autonomous status</i></p>	<ul style="list-style-type: none"> • <i>Academic autonomy will enable the college to design enriched curricula in its desired manner. Hence the college proposes to undertake intensive Department wise Audit after 2021-22. This will help to ensure an effective college management in the environment of autonomy.</i> • <i>The comprehensive advisory system aims at addressing stakeholder's expectations in formation of syllabi/ other contemporary activities, auditing of academic processes and procedures strengthening teaching-learning model through BOS interaction.</i> • <i>Transforming students into an employable workforce includes career counseling and aptitude building, industry experts in curriculum development and strategy formulation and fostering industry tie-ups to converting internships to job offers</i> • <i>Holistic development of students initiates incentives for participation in extra and co-curricular activities, organizing Soft-skill development programs, extend technical and financial support for start-ups and inculcation of ethical practices.</i> • <i>Encouraging inter-disciplinary research apt to involve UG and PG students in research activities by offering them tasks requiring research capabilities, identify faculty with</i> • <i>Expertise and to provide adequate incentives for publications/IPRs by students and faculty.</i> • <i>Explore possibilities to benefit from MoU's with leading industries and academic institutions and involve industry to offer current technology trends in curriculum through Open Electives or Sponsored Electives and promoting MOOC and SWAYAM's Courses.</i>
<p><i>Provision of outstanding and diverse faculty and technological and other facilities so that students receive quality teaching and advising, enabling them to become problem solvers, leaders, and critical thinkers highly sought after by universities, industry, and the government</i></p>	<ul style="list-style-type: none"> • <i>The goal and objective identified for providing outstanding faculty will need recruitment of new faculty with contemporary research exposure, Recruitment of Faculty with Industry exposure, Recruitment of Adjunct Faculty Members.</i> • <i>To have strong and long-standing opportunities for research and development encouraging existing faculty to Pursue PhDs, Participation in STTP and</i>

	<p>conferences, and also promoting industry assignments will further nurture the research culture in the institute.</p> <ul style="list-style-type: none"> • Highly qualified and capable faculty members to be retained in the institute by Providing Incentive for Qualification Up gradation / Research Incentives and by Implementation of CAS scheme. • To accelerate innovation and expand learning experience for our students the aim is to go for the up gradation of laboratories, access of the labs for extended hours, providing smart classrooms for better interaction, use of GEMS, updating software and internet facilities in the institute. • To utilize expertise of the industry personnel and their interaction with the students will be increased by arranging their guest lecturers and also engaging them in framing course modules and conducting various industry visits.
<p><i>Organization of focused, high-impact, nationally recognized research programs and build a prominent faculty that will enhance the College National and International reputation</i></p>	<ul style="list-style-type: none"> • To cultivate the research culture in the institute by facilitating Incentive schemes and Motivating faculty members to publish papers in high impact reputed indexed journals. The institute to initiate Research Awards for faculty and to focus on Organizing Conferences and Workshops. To avoid duplication and improve quality of research work Anti-plagiarism Policy is to be adopted by PRPCEM • To encourage the sponsored research and increase research and funded grants by UGC/AICTE/R&D organizations. Assistance to be provided for PhD pursuing to boost research. • To motivate faculty for attending conferences and FDPs at India and Abroad financial support to be given.
<p><i>Establishment and operationalize in house publications to foster research and innovations</i></p>	<ul style="list-style-type: none"> • The Institute to make efforts to foster in house research and innovations by the students and faculty through establishing in house publications. • Research scholars, faculty can be able to publish their research outcomes in the multidisciplinary journal run by the Institute. The Journal initially started with UGC care and will be able to reach to Scopus status. • Patent and IPR facility will be established in the Institute to promote innovations. • Book publication house will be established in the Institute to publish Books on recent trends and

	<p><i>practices for the students with ISBN No.</i></p> <ul style="list-style-type: none"> • <i>The Institute to make efforts to enhance the engagement with alumni through multiple interaction modes such as, interaction between alumni and students, mentoring, interaction between alumni and faculty, alumni inputs for curriculum development, alumni support for student placements and internships and entrepreneurial assistance Program.</i> • <i>Distinguished alumni to be nominated to create public perception/ brand image of the institute in society and also to organize admission process awareness Program for aspiring students annually.</i> • <i>Alumni Association to establish alumni chapters nationally and globally. These chapters have to be active in networking with alumni by conducting alumni meets regularly. Development of official alumni website by the institute to keep lifelong involvement of alumni to the institution.</i>
<p><i>Establishment of lifelong connections with alumni and capitalize on this network, corporate partnerships, and related research/scholarship within the college to strengthen the education experience, research/scholarship quality, and financial support of the college</i></p>	
<p><i>Preparation of students and faculty for the changing global environment to create a culture of diversity, creativity, innovation, and entrepreneurship</i></p>	<ul style="list-style-type: none"> • <i>Promotion of culture of Creativity to deal with societal issues which result in innovative solutions that may be amenable for widespread deployment.</i> • <i>The Institute would also benefit by developing expertise in areas related to the needs of the local industry and business by innovation and entrepreneurship development amongst students.</i> • <i>Research is the core activity of the Institute and forms the basis of the ability of the Institute to advance knowledge and to address the challenges of industry and society.</i>
<p><i>Top 10 Rank in Engineering Colleges in Maharashtra and NIRF Ranking</i></p>	<ul style="list-style-type: none"> • <i>In a very short time, PRPCEM has earned a reputation as an institution with discipline committed to excellence and innovation in learning.</i> • <i>True to its vision statement, the college aims to consistently provide and sustain an invigorating work environment that fosters a culture of excellence, innovation and entrepreneurship.</i> • <i>The Institute aims to enhance NIRF Ranking within 300.</i>
<p><i>Improve Internal Support System</i></p>	<ul style="list-style-type: none"> • <i>Introduce GATE Coaching with Faculty by adding a mini-obstacle course to achieve placement of students in reputed National institutes for PG studies.</i> • <i>Introduce Finishing School.</i> • <i>Offer IT lab facilities, projects and product development for other institutes and industry. Offer</i>

	<p><i>Consultancies in Mechanical Civil & Electrical Engineering Departments</i></p> <ul style="list-style-type: none"> • College has been participating into the NIRF listings. • The college has a well-established IQAC, which meets regularly to assess academic performance and administrative work to improve the quality of education at the institute.
<i>Enhancement of Alumni Engagement</i>	<ul style="list-style-type: none"> • Create an Alumni Centre at the Institute to support alumni visits, activities and engagement. • Lifelong Multiple interaction modes such as, interaction between alumni and students, mentoring, interaction between alumni and faculty, alumni inputs for curriculum development, alumni support for student placements and internships, alumni involvement. • Engage alumni Meet Every year.
<i>To attain the status of Centre of Excellence in Technical Education and Research</i>	<ul style="list-style-type: none"> • The Institute is planning to attain the status of Centre of Excellence in Technical Education and Research in the area of Computer science, Electrical Engineering and Electronics Engineering
<i>To established Strong R&D & Incubation Centres</i>	<ul style="list-style-type: none"> • The Institute is planning to enhance R&D laboratories in all departments, modernization and removal of obsolescence of laboratories, dedicated R&D facilitation & documentation centre, Competent technical staff for R&D labs and to start new Journals with Scopus indexing. • The Institute is planning to develop Incubation Centre by encourage “idea to product” pre-incubation activities, Focus on Product development, initiate Startups for Product, and development
<i>To enhance Quality Assurance System</i>	<ul style="list-style-type: none"> • Establishing Quality Systems-by Setting up benchmarks & system flow, publishing Quality system design & culture and educating & Training of all employees
<i>Community Service and Extension activities</i>	<ul style="list-style-type: none"> • The Institute is planning to offer viable programs of relevance for upliftment of Rural students and populace through Vocational training to rural personal by identifying the job oriented courses as per local needs, educational tuitions/ support to village students



Principal
P. R. Pote (Patil)
 College of Engineering & Management
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