

# Strategic Planning And Deployment Document



**PRIYADARSHINI J. L. COLLEGE OF ENGINEERING, NAGPUR**

Accredited with Grade "A" by NAAC

846, New Nandanvan Layout, Nagpur – 440 009

## **About PJLCE:**

Lokmanya Tilak Jankalyan Shikshan Sanstha (LTJSS) founded in the year 1983. It is a conglomerate of 28 Educational Institutions which is considered as a paragon of excellence in Education. This lofty group derives its philosophy and inspiration from renowned historian, eminent mathematician, educationalist and social reformer Lokmanya Bal Gangadhar Tilak.

Priyadarshini J. L. College of Engineering (PJLCE), Nagpur, is a flagship institution belonging to LTJSS established in the year 2008 and is one of the premier technical institutions in Central India. Priyadarshini J. L. College of Engineering is having an exquisite location in the heart of city, with features like spacious buildings, gracefully planned landscapes with lush and subtle green lawn and ample parking area.

- The institute imparts epoch making training in 5 diverse verticals of engineering streams at undergraduate level.
- The institution is recognized under section 2 (f) of UGC Act, 1956.
- The institution is accredited by National Assessment and Accreditation Council (NAAC) with “A” grade status with CGPA 3.04 for currency period of five years up to 26-11-2022.
- Priyadarshini J. L. College of Engineering the premier Institute of Sanstha with 11 years of promising track record endeavors to impart academic excellence by promoting technology, scientific thinking and corporate social responsibility.
- The institute is a proud recipient of prestigious awards which includes a “BEST EMERGING ENGINEERING COLLEGE” , In the year 2019, for category of Emerging college in region by Times group , India and “EXCELLENCE AWARD” In the year 2019, For Category of Emerging engineering institute by SAKAL MEDIA GROUP.
- The institutes has always envisioned of instilling life skills among the students through their qualitative engagement in various extracurricular activities like NSS, inter collegiate sports and cultural competitions and has won several accolades at university level and state level. Various cells like Alumni, EDP, III, are strong support to the Training and Placement cell so as to give much needed impetus for the meaningful placements of students.
- Various activities like Soft Skill Training (SST), Employability Enhancement Training LAKSHYA, Campus to Corporate (C2C), Campus Recruitment Training

(CRT) are very much helpful for students to gear confidence and etiquette to perform in various vertical of their personal and professional career.

- The institute is an attractive destination of learning which galvanize the potential learners from nearby states to Maharashtra. State of the art infrastructure and unfailing commitment to achieve excellence in academics and research are our principle drivers of growth. The positive brand image of the Institute is an enabler which has produced more than two thousand alumni who are occupying respectable positions and rendering professional services across the geographical borders. We proudly count on our alumni as our brand ambassadors.
- Honorable Chairman of LTJSS Dr. Satish Chaturvedi is a highly educated and well known persona who has achieved the most coveted degrees like Ph.D and D.Litt. for his outstanding scholastic contribution in the faculty of social sciences.
- The college is ISO 9001:2015 certified for all its engineering branches for delivering quality education and facilities in engineering education. This certification reflects that academic and administrative policies of institute are identical for all branches of engineering.
- Head of the institute Dr. A.M. Shende has secured very prestigious and remarkable post doctorate degree D.Sc (Engg and technology) for his outstanding research work in civil engineering.
- Institute Professional Society Membership :
  - Indian Society for Technical Education ISTE/Institute membership/IM 1959, Year : 2011
  - The Institution of Electronics and Telecommunication Engineers (IETE), life organization membership, since 15th April 2011
  - The institute has yearly membership of “ Computer Society of India (CSI)

## **Preface:**

For an organization, strategic planning is very essential to accomplish the Vision and Mission, which it dreams of. Strategic planning is a continuous process with a specific focus on accomplishing institutional goals in this competitive world. Strategic Planning and deployment document (SPDD) is based on analysis of current obstacles and future opportunities and envisages the direction towards which the organization should move to achieve its set goals and objectives.

The first part of it addresses the vision, mission which the institute dreams along with core values, institutional long term & short-term goals. These are defined and guided by the stake holders through SWOC analysis. After analysing the internal and external environment, the institutional goals were set up in all possible growth domains through continuous thought process and discussion with HODs and faculty members. The strategies with action plans were decided to achieve institutional strategic goals. While formulating the strategic plan and deployment document, care is taken to involve all stakeholders to help contribute their part which is vital for the success of every organization. Effort is taken to identify clearly the implementation processes and monitoring by identifying measurable targets in line with the desired outcomes. This will emerge to be the guiding force for PJLCE to achieve its goal to become an institution of academic Excellence and providing professional by skilled young Engineers and managers to the society.

## **Vision:**

To produce engineers who are socially responsible & professionally competent to face global challenges ahead.

## **Mission:**

- To produce academic excellence by imparting quality education with practical oriented approach to serve the industries.
- To satisfy the expectation of contributors.
- To develop engineering professional having ethical values, skills & Competencies.
- To fulfil the need of society & industries by promoting research culture.
- To stimulate learning environment for strengthening the individual potential.

### **Quality Policy:**

We are committed to impart value-added education that would enable us to fulfill the ever increasing demands of the competitive and target-driven business environment

### **Core Values:**

- Discipline
- Determination
- Dedication
- Integrity & Trust
- Interest & Involvement

### **Objectives:**

- To ensure all-round development of students by providing various co curricular, extra-curricular and entrepreneurship skill development opportunities
- To enhance research culture among the faculties and students, by providing latest research facilities and industry Institute interaction.
- To inculcate moral integrity in students and make them socially responsible good human beings.
- To develop leadership qualities and an ability to work in a team, by encouraging the students to participate in various activities.

### **SWOC Analysis**

#### **Strength:**

- Proactive visionary management
- Qualified, competent and dedicated faculty
- State of the art infrastructure
- Active MoUs with reputed industries and institutes
- Financial support by means of various scholarships
- Office automation system for academic and administration process
- Conducive environment for teaching learning process
- Pollution free environment
- Support for research through research culture
- Value added/life skill courses

**Weakness:**

- Research grants from funding agencies
- Absence of PG programs
- Functional MoUs with foreign universities and organizations

**Opportunities:**

- Interdisciplinary research activities.
- Organizing International conference.
- Faculty exchange programme with international organisation
- Incubation centres
- Revenue generation through consultancy and research projects
- NIRF ranking
- Autonomous status

**Challenges:**

- Varying trends in admission for technical education
- Develop multi-disciplinary and inter-disciplinary courses and programmes
- Developing patents and good research teams in every department
- Achieving placement opportunity to every student

**Strategic Goals**

The team of PJJLCE after several discussion and planning, guided by the Mission and Vision of the Institute, Quality Policy, Core Values, Stake holder's expectations and SWOC analysis have framed the Institutions strategic Goals

**Institution Strategic Goals:**

1. Following effective teaching learning process
2. Developing and following leadership and participative management
3. Establishing a continuous Internal Quality Assurance System
4. Ensuring good governance
5. Ensuring student's development and participation
6. Ensuring staff development & welfare
7. Developing financial management
8. Put emphasize on Institute - Industry interaction and partnership
9. Development of entrepreneurship
10. Encouraging research and development work

11. Increasing internal revenue generation
12. Increasing Alumni Interaction and participation and Outreach activities
13. Engagement in Community Services and Activities
14. Developing physical infrastructure
15. Getting memberships of professional bodies, Local chapters, student's chapter etc.

## **Quality improvement strategies adopted by the institution**

### **Curriculum Development**

The Institute is affiliated to R.T.M. Nagpur University. Faculty members of the Institute take active participation in design and development of the curriculum. Many faculty members are on board of studies of the University and many are participating in syllabus reframing workshops which are conducted by the university time to time. Stakeholders feedback and suggestions on curriculum is taken in every session. Based on this feedback, the suggestion received regarding the curriculum are communicated to university and Certificate courses, Add-on Programs, Value added Courses are conducted. Effective implementation of curriculum is ensured by departmental and central academic committee.

### **Teaching and Learning**

The institute focuses on enhancing learning experiences through student centric teaching learning processes. Following methodologies are adopted

- 1) Experiential / Field Learning: Through practical conduction, Industrial visits, Internships and training programs students get practical knowledge and get exposure to the latest technologies.
- 2) Problem Solving Learning: Tutorial classes enhance the problem solving and analytical skill of the students.
- 3) Collaborative/Participative learning: This includes Group discussion, practical conduction in groups, projects, case studies. Students interact with each other and share their thoughts/ an experience, which enhances student's learning interest.
- 4) Use of ICT tools: LMS, Google Class room, MOOCs, SWAYAM, NPTEL are used.
- 5) Involving stakeholders in designing curriculum to prepare base for engineering profession
- 6) Inclusion of activity-based learning** with Scope for achieving higher order thinking in students

### **Teaching and Learning methodology-**

Departmental Academic Calendar, Lecture plans, Course learning Objectives and Course

Outcomes ,Lecture notes ,Updating the library with appropriate books as suggested by the faculty. Modifying the laboratories to cater for the needs of revised syllabus and new technology. Monitoring students' performance through Internal Unit Test-I and II, Improvement test, Assignments, quiz, seminars and projects. Monitoring the teaching process through Online feedback from students . Oral feedback from students in the student council meeting with Head of department and Dean (Academic) and during mentoring sessions. Academic audit by peer committee. Audit of completed syllabus(Monthly) .Result analysis at the end of semester examination. Addressing issues of individual student. Additional classes for slow learners. Personal guidance to students approaching with difficulties mentoring of students to motivate Addressing issues related to course

### **Examination and Evaluation**

Examination and evaluation is done by the affiliating University. Theory examination and practical/oral examinations are conducted as per University schedule and rules. The Faculty contributes in the examination work like question paper setting, invigilation of theory examination, examiner and subject experts for paper setting valuation of answer books related to university examination. Whereas for internal Evaluation, Institute have Centralized Examination and Evaluation System. The examination reforms in the Institute, is not merely a technique to improve the evaluation system but to be viewed as an aim at improving the education process itself. Institute fulfils the objectives by 1) Conduction of Centralized Tests- Two centralized Class Assessment Test and a sessional examination per semester are conducted.2) Transparency in evaluation system. Three sets of question papers are prepared by different faculty members who are moderated at central level. The paper setter submits a scheme of valuation. Evaluation of answer scripts is done at central level and moderated by external teachers. Examination reform policy as per AICTE 2018 and Paper setting to match Bloom's taxonomy

### **Research and Development**

R & D cell constantly motivates the faculty members to prepare and submit the R&D proposals to various funding agencies. The institute regularly organize various research Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices / training programs / sensitization programs by experts drawn from eminent research institutes and industries with focus on capacity building in terms of research and imbibing research culture among the staff and students. Institute motivate faculty by awarding Incentive to the teachers who receive recognition/awards. Potential research collaborators are identified and MoUs are signed with them. Institute started



knowledge club and International journal of Emerging Trends in Engineering and Basic Sciences(IJEEBS) with ISSN No.2349-6967which aims to publish peer reviewed original research and result oriented survey papers in the field of engineering, basic and Applied Sciences. This journal intends to be of interest and utility to researchers and practitioners in the academic , industrial and government sector .All Original research contributions of significant value in various areas of engineering discipline and survey papers are included in it..

### **Library, ICT and Physical Infrastructure / Instrumentation**

Fully automated computerized library facility continuing open accessory/one entry one exit system. Library ensures the efficient utilization of book bank facility by the students. Learning resources such as NPTEL video lectures, Video lectures of IIT Kharagpur, e-books, e-journals are available in the library. Computer labs, Computer browsing centers, with internet facility are accessible to students. All departmental labs are well equipped and available for students and staff. Campus wide Networking WiFi. Every department has separate departmental library for students and staff. Backup power supply which ensures power supply to the campus almost on a 24 hour basis. The institute regularly increases ICT facilities for classrooms, tutorial rooms and Laboratories. Each faculty is provided Computer for usage for interactive teaching learning process.

### **Human Resource Management**

Faculty is felicitated for their academic achievements. For compensation and benefits of the students and the staff, welfare schemes exist in the institute. The institute uses performance evaluation methods for the HR. At the end of every year, performance evaluation of the staff is done by head of the department/section. This is used for deciding promotions and increments. Own performance evaluation is done by the faculty and reports are submitted to the Principal. Support for further research in the form of seed money, sponsorship for attending conferences etc. Laptops and other computational facilities. Insurance for Teaching Support staff.

### **Industry Interaction / Collaboration**

In view of sharing technical resources and expertise, MOUs are signed with companies. Industry Internship programs, industry designed certification courses and Industrial training during vacation are made available for the students to deprive the benefit of industry culture. Orientation programs are conducted for the students and guest lectures by the Industry

experts. Alumni placed in the industries are invited for informal dialogue with the students. Some of the projects undertaken by the students are sponsored by industries. These projects are based on the needs of that industry. Entrepreneurship training workshops are organized for the students. Study tours and visits are regularly conducted for students

### **Admission of Students**

Admission procedure of students is done through a central process conducted by DTE (Directorate of Technical education) wherein students choose an institute as per their requirement by filling up online option form. Institute attaining high academic standards through continuous improvement in our processes, products & services which is obvious through good results in University examinations. The institute maintains this repute by adopting strategies like providing quality infrastructure and facilities, maintaining good training and placement track records. Encouraging extracurricular activities like sports and other arts. Maintaining Ragging free environment and the institute conducts admission process awareness programs, counselling sessions for prospective students. College has got A grade by NAAC.

### **Strategy Implementation and Monitoring**

After approval of Strategic development plan the next step is its implementation. During implementation the progress of strategy shall be measured from time to time. Hence the measurable success indicators are clearly spelt out in the implementation document. Principal along with the other members of IQAC periodically review the strategic plan and its deployment.

### **Responsibility & Accountability for various activities at institute level**

#### **Name of the Committees**

- Governing Council
- College development Committee
- Anti-Ragging Squad
- Anti-Ragging Committee
- Women Grievance Cell
- NSS Advisory Committee
- Library Advisory Committee
- Examination Committee

- Departmental Advisory
- Research Committee
- Industry Institute Interaction Cell
- Internal Quality Assurance Committee
- Cultural Committee
- Equipment & Computer Furniture Maintenance Committee
- Building/ Furniture Maintenance Committee
- Student Council
- Training and Placement Cell
- Student Grievance Redressal Cell
- House Keeping Committee
- Digital Media Committee

### **Monitoring Strategic Plan**

The implementation of strategic plan is monitored time to time by Principal, IQAC through periodic review. The Departmental heads & committee coordinators prepare the detailed progress report and present it in the review meetings. The benchmarking of quality standards and its monitoring, evaluation of attainment is carried out by the IQAC independently. The IQAC report the findings to the principal. With thorough analysis of outcomes and based on IQAC report, corrective actions, need of further processes and deployment of resources has been done by head of the Institute. All these reports are forwarded for further discussions and approval to management & GC members.



**Dr. A. M. Shende**  
**Principal**