SHAMBHUNATH INSTITUTE OF ENGINEERING & TECHNOLOGY (SIET), JHALWA, PRAYAGRAJ

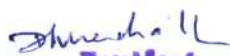# INSTITUTIONAL STRATEGIC PLAN

(2023-2028)

ABOUT THE COLLEGE

Started with just one institute Shambhunath Institute of Engineering and Technology (SIET) in 2004, now SIET has been transformed into a group of institutions known as Shambhunath Group of Institutions. Under the aegis of Utthan Shambhunath Institutions many institutes are flourishing. The journey of USI started with its first institute i.e. Shambhunath Institute of Engineering and Technology, which is approved by AICTE and affiliated to Dr. A. P. J. Abdul Kalam Technical University, (formerly known as UPTU) Lucknow. The success of Shambhunath Institute of Engineering and Technology (SIET; Code-162) which started with just four disciplines i.e. Electronics and Communication (EC), Computer Science (CS), Electrical Engineering (EE) & Information Technology (IT) with an intake of 60 students in each in the year 2004; is continuing with a new chapter being added to nearly every year. In year 2006 a new institute named as Shambhunath Institute of Pharmacy (SIP; Code-241) affiliated to Dr. A. P. J. Abdul Kalam Technical University, was established. Another highlight in the year was adding one more branch of Engineering viz. Mechanical Engineering in SIET. In the year 2007 a course of Management, MBA started with an intake of 60 students. The intake of CS and EC was increased by 120 in each branch in the same year. The first batch of Engineering passed out in 2008. MBA 1st Batch passed out in 2009. In the year 2010 some more feathers were added in the cap of Shambhunath Group of Institutions. A new college for Management students; Shambhunath Institute of Management with an intake of 120 students (SIM; Code-727) affiliated to Dr. A. P. J. Abdul Kalam Technical University, was started. In the same year, SIET got approval for evening shift for EC and CS with an intake of 60 students in each. Approval for evening shift with an intake of 60 students in each of EE and M.E. was accorded to SIET in 2011.

In the year 2012 USI achieved some more goals: as an ITI college i.e. Shambhunath Industrial Training Institute (SITI; Code-2200) got approval. In the same year another branch of Engineering - Civil Engineering was started with an intake of 120 students. Another Highlight of the year was starting M. Tech. courses with VLSI Design (EC) & Production Engineering (ME) with an intake of 24 students in each and M. Pharm. courses with Pharmaceutics and Pharmacology with an intake of 15 students in each. SIET got approval to increase in the intake of ME from 120 to 180 and one more branch of Electrical and Electronics Engineering (EN) was introduced in the year 2013 with an intake of 60 students. In the year 2015 one more institute for Elementary Education (D.El.Ed. formerly known as BTC) with the name Shambhunath College of Education (SCE) has come up. In the year 2016 we got approval to start 5 year LL.B. Programme with our institution Shambhunath Institute of Law.

The Strength of the students at present is around 3200. The Engineers and Managers produced by this college have been placed at good positions in the Corporate & Government sector. Shambhunath Group of Institutions is determined to be a university in near future.

President
Shambhunath Institute of
Engineering & Technology
Allahabad

VISION & MISSION OF THE INSTITUTE

Vision:
A committed centre of learning and focused on training and research in the fields of Engineering, Technology and Management to serve the nation and globe.

Mission of the Institute:

M1: To develop outstanding scholars with a lifelong follow up of global standards by offering UG, PG programs.

M2: To seek professional and career growth by collaborating mutually beneficial partnership with industries and higher institutes of research.

M3: To promote sustained training and research with emphasis of human values and leadership qualities.

M4: To contribute solutions for the need-based issues of our society by proper ways.

President
Shambhunath Institute of
Engineering & Technology
Allahabad

Proposed Strategic Plan For 2023-2028

1. Academic Excellence

- **Goals**:
    - Revise and update curriculum by the AKTU institute to meet the latest technological advancements and industry needs.
    - Introduce flexible credit systems and multidisciplinary learning as per AKTU norms.
    - Enhance faculty expertise through continuous training programs.
- **Action Plan**:
    - Organize faculty development programs (FDPs) in collaboration with IITs, NITs, and other reputed institutions and industries.

2. Infrastructure Development

- **Goals**:
    - Upgrade laboratories with modern equipment, upgraded software and facilities.
    - Establish smart classrooms and expand library resources, including digital content.
    - Improve campus amenities, including hostels, transport, and green initiatives.
- **Action Plan**:
    - Invest in high-speed internet and IT infrastructure to support e-learning and online activities.
    - Develop an innovation and incubation center for students and start-ups.
    - Allocate 10% of the annual budget for infrastructure upgrades.

3. Research and Development (R&D)

- **Goals**:
    - Promote research culture among faculty and students.
    - Secure funded research projects from government and industry organizations.
    - Publish research in high-impact journals and establish patents.
- **Action Plan**:
    - Create dedicated research clusters focusing on areas like Artificial Intelligence, IoT, Renewable Energy, and VLSI Design.
    - Offer seed funding for promising research proposals.
    - Organize annual international conferences and workshops to showcase research.

President
Shambhunath Institute of
Engineering & Technology
Allahabad

4. Industry Collaboration

- **Goals**:
  - Strengthen collaboration with industries for internships, projects, and placements.
  - Form industry advisory boards to guide institutional development.
  - Develop industry-sponsored labs and joint certification programs.
- **Action Plan**:
  - Sign MOUs with at least 5 reputed industries by 2028.
  - Organize bi-annual job fairs and invite industry leaders for guest lectures.
  - Launch entrepreneurship programs in partnership with incubation centers.

5. Student Welfare and Holistic Development

- **Goals**:
  - Enhance student support services, including career counseling and mentorship.
  - Encourage participation in national and international technical events and competitions.
  - Foster physical and mental well-being through sports, yoga, and wellness programs.
- **Action Plan**:
  - Develop an online career guidance portal for students.
  - Upgrade the student grievance redressal mechanism.
  - Offer scholarships and financial aid for meritorious and needy students.

6. Community Engagement and Social Responsibility

- **Goals**:
  - Promote sustainable development initiatives in the local community.
  - Engage students in community outreach programs to enhance their sense of social responsibility.
  - Encourage faculty and students to undertake consultancy projects for the benefit of the local population.
- **Action Plan**:
  - Initiate skill development programs for underprivileged sections in Prayagraj and near by areas.
  - Organize annual medical and environmental awareness camps.
  - Partner with NGOs and government bodies for community development projects.

President
Shambhunath Institute of
Engineering & Technology
Allahabad

Expected Outcomes by 2028

1. **Academic Achievements:**

   - At least 50% of programs aligned with the latest industry standards.
   - Improved employability with a 90% placement rate.

2. **Research Excellence:**

   - At least 5-10 patents filed and 50-100 papers published in reputed journals.
   - Enhanced R&D funding by 50%.

3. **Enhanced Infrastructure:**

   - Fully equipped smart classrooms and modernized labs.
   - Green campus with renewable energy sources contributing 50% of total energy.

4. **Student Growth:**

   - Increased student participation in national and international competitions.
   - Holistic development programs benefiting over 70% of the student body.

5. **Community Impact:**

   - Directly impact 1000 beneficiaries through outreach programs.
   - Increase in local employment opportunities through skill development initiatives.

President, SIET, Prayagraj

President
Shambhu nath Institute of
gineering & Technology
Allahabad