



**BHARAT**  
INSTITUTIONS

**BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY**

Ibrahimpattam - 501 510, Hyderabad

# **STRATEGIC PLAN**

**2021-2022 to 2025-2026**

## **Vision**

To achieve the Autonomous & University status and spread universal education by inculcating discipline, character and knowledge into the young minds and mould them into enlightened citizens.

## **Mission**

To impart education, in a conducive ambience, as comprehensive as possible, with the support of all the modern technologies and make the students acquire the ability and passion to work wisely, creatively and effectively for the betterment of our society.

## **Quality Policy**

Bharat Institute of Engineering & Technology (BIET), is engaged in imparting quality "Education and Training" in the field of "Engineering and Technology". It aims to be an Institute of Excellence in Technical Education through continual improvement. The institute facilitates faculty and staff to work as a team and update their knowledge and skill to match the industrial and technological development.

## **Objectives**

- Develop a campus which promotes higher learning and research.
- Recruit and retain a diverse faculty of outstanding teacher-scholars with principles and discipline.
- Promote industry - institute interactions
- Expose students to leading Industries and Corporate Houses.
- Foster a harmonious, cordial and tripartite relationship among the Management, faculty and students for their respective growth and for establishing a congenial academic environment in the Institute.

## **Short Term Goals**

- Quality assurance and endurance through NBA and NAAC.
- Achieving academic excellence in the Examinations.
- Encouraging active participation in co-curricular and extracurricular activities through club activities.
- Helping to excel in communication inter-personal and soft skills.
- Providing environment and opportunities for multi-skills development through Campus Recruitment Training (CRT) and add-on courses.
- Organizing programs on personality development and entrepreneurship to foster qualities of leadership and entrepreneurship.
- Providing 100% placement for eligible students.

## **Long Term Goals**

- Emerge as a globally recognized Center of Excellence in the fields of Engineering, Technology and Management by Research.
- To provide state of the art academic infrastructure to the students through excellent teaching and learning opportunity.
- To continuously update the curricular and student support infrastructure towards quality education.
- Attain the status of Deemed-to-be University/State Private university, offering viable programs of relevance for upliftment of rural students and populace.
- To undertake national and internationally acknowledged research and development works in all disciplines by forging alliances with research organizations , government sectors, industries and alumni.

## SWOC ANALYSIS

Bharat Institute of Engineering and Technology (BIET) was established in 2001. It has been in the forefront during the last twenty years in providing quality technical education. BIET is affiliated to Jawaharlal Nehru Technological University Hyderabad in Telangana State.

The Institute has strengths, weaknesses and opportunities. It is required to address the weaknesses to meet the needs of stakeholders and society. The Institute needs to address the challenges to provide the quality technical education.

### Methodology:

A SWOC analysis of the Institute system is carried out using the following evaluation methods:

- Students and other stakeholders feedback
- Self-appraisal of faculty
- Academic Audit

### Inferences:

- Feedback from the students and other stakeholders is collected and based on their feedback, the DAC meetings are conducted to include the modifications suggested.
- The self-appraisal of faculty is useful to evaluate the role, performance and individual contributions such as academics, research publications.
- The Academic Audit of Institute gives improvement in the quality of teaching, research, conferences/workshops conducted and interaction with industry. The Best practices adopted to improve the quality of technical education can also found from the Academic Audit.

### Strengths:

- Well defined organizational structure
- Good infrastructure, research facilities and good academic interaction with multidisciplinary departments.
- Comprehensive Care System for the Students
- Good quality intake of students in Undergraduate Programmes.
- Most of the Postgraduate students are admitted based on GATE / PGECET score.

- A good number of students are admitted into prestigious foreign Universities for their higher studies and research work.
- Campus is provided with Wi-Fi Internet facility.
- Encouragement for Student Initiatives in MOOCs, Internships, etc .
- Support for Career Development, Skill Development and Campus Placements.

**Weaknesses:**

- Core faculty strength has to be improved.
- Industry institution interaction needs to be strengthened.
- Consultancy and extension activities needs improvement.
- Collaborative approach within the department and outside the state and nation is at initial level.
- Student-staff interaction on thrust areas of research.
- Admission to PG programs in Engineering.
- Students Opting Higher Education.
- Communication skills of students coming from rural background.

**Opportunities:**

- There is enough scope for development and expansion
- Provisions to get research grant from various funding agencies, involvement of industries in the collaborative research work, availability of interdisciplinary faculty in the campus.
- Facility to attend national/ international conferences
- A good number of core and software companies are located in and around Hyderabad which provides employment opportunities for many of our students.
- National importance research labs are in the close proximity.
- Faculty members are highly motivated.
- Alumni Networking for Academic and placement activities.

**Challenges:**

- Qualitative and quantitative expansion of the departments.
- Modernization of all the laboratories of departments/units.
- Stagnation in the job market
- Retention of qualified faculty
- Motivating students towards research.
- Motivation of students towards core branch employment.
- Exploring collaboration with industries of relevance.
- Research outcome should be linked to industry applications.
- Competition from other private universities.

The institute is aware of a few weaknesses consciously viewed as opportunities for improvement and is forging ahead with its proven strength. The institute can avail itself of opportunities and perceive challenges to excel by seeking external funding and generating internal resources.

**“Strategic Plan is developed for institutional development based on SWOC analysis”**

## Teaching-Learning:

### *Strategies:*

- To introduce innovative methods of teaching such as cooperative learning, parallel teaching and group teaching for quality and multi disciplinarily.
- To use modern tools such as Animation, simulation and visual tools in teaching.
- To encourage enhanced student participation in teaching through group discussions, debates, role play and case studies.
- To adopt research based teaching for better learning outcomes.
- To introduce the concept of focus groups for enhanced learning.
- To adopt technology assisted learning tools such as MOOCS, NPTEL, SWAYAM and other self e-learning content.
- To provide additional learning platforms and resources for self-learning and practice.
- To assign real time case studies for literature survey and research.

S. No.	Activity	Academic Year				
		2021-2022	2022-2023	2023-2024	2024-2025	2025-2026
1.	Establishment of smart class rooms / studios	√	√	√	√	√
2.	Adopt research based teaching for better learning outcomes	√	√	√	√	√
3.	Comprehensive Faculty Appraisal system	√	√	√	√	√
4.	Introduction of MOOC/NPTEL/SWAYAM	√	√	√	√	√
5.	Scope for self-learning	√	√	√	√	√
6.	Subscription to e-resources	√	√	√	√	√

  
PRINCIPAL  
Sharat Institute of Engg. & Tech  
Mangalpally (V), Ibrahimpatnam (M)  
Ranga Reddy Dist-501 510

## Research & Consultancy:

### *Strategies:*

- To recruit faculty with a talent and competence in research.
- Measures to be taken to improve the existing PhD faculty strength to 80% by 2024.
- To equip laboratories with relevant modern equipment, software and library resources to ensemble research demands.
- To forge into alliances with prominent research groups for collaborative work.
- To apply external research funding from private and government sectors in focused cutting edge areas.
- To create inter-disciplinary research groups for prospective applied research.
- To approach industry for setting-up of research laboratories on campus or the benefit of faculty and students.
- To identify areas of expertise in each domain for offering technical consultancy.
- To approach agencies for marketing capital and technical resources.
- To prepare department news letter highlighting the expertise and facilities.
- To lend the technical services such as sophisticated equipment and software to others on payment basis.

S. No.	Activity	Academic Year				
		2021-2022	2022-2023	2023-2024	2024-2025	2025-2026
1.	Recruitment of Faculty with Research abilities	√	√	√	√	√
2.	Equip laboratories with research suitable equipment / software	√	√	√	√	√
3.	External research funding projects		√	√	√	√
4.	Industry Support Laboratories	√	√	√	√	√
5.	Recruitment of faculty in each area of specialization		√	√	√	√
6.	Technical services such as sophisticated equipment and software		√	√	√	√

  
PRINCIPAL  
Bharat Institute of Engg. & Tech  
Mangalpally (V), Ibrahimpatnam (M)  
Ranga Reddy Dist-501 510



## Training:

### *Strategies:*

- To offer variety of training modules to suit higher education or perspective career.
- To create online portals with high quality training database to practice.
- To continuously provide mentoring with experts from industry to appraise of the industry demands relevant skill set.
- The core departments shall offer training in technical domains.


S. No.	Activity	Academic Year				
		2021-2022	2022-2023	2023-2024	2024-2025	2025-2026
1.	Mentoring with experts from industry	√	√	√	√	√
2.	Procurement of online training material	√	√	√	√	√
3.	Technical domain training	√	√	√	√	√

## Placements:

### *Strategies:*

- To create institute portfolio showcasing its strengths, facilities and talent pool of students.
- To collaborate with top industries and corporate sectors for students placements in core areas and IT filed.
- To provide student internships in industry for real time exposure.

S. No.	Activity	Academic Year				
		2021-2022	2022-2023	2023-2024	2024-2025	2025-2026
1.	Creating institute portfolio	√	√	√	√	√
2.	Core companies planned	√	√	√	√	√
3.	Student internships	√	√	√	√	√

  
PRINCIPAL  
Bharat Institute of Engg. & Tech  
Mangalpally (V), Ibrahimpatnam (M)  
Ranga Reddy Dist-501 510

## Entrepreneurship:

### *Strategies:*

- To identify students who are processing entrepreneurial interests.
- To organize special awareness and training for students in developing the required skill set for entrepreneurship with the participation of successful entrepreneurs.
- To arrange for interactions of students with investors and other financial entities for prospective funding for their ideas.


S. No.	Activity	Academic Year				
		2021-2022	2022-2023	2023-2024	2024-2025	2025-2026
1.	Organize special awareness and training for entrepreneurs	√	√	√	√	√
2.	Interactions of students with investors and other financial entities			√	√	√
3.	Applying for National funding	√	√	√	√	√
4.	Promoting student Entrepreneurs		√	√	√	√

## Incubation centers and Start-Ups:

### *Strategies:*

- To establish incubation centers in specialized areas of Engineering filed.
- To invite industry and corporate to set up incubation centers on campus.
- To encourage students and faculty to establish research and development start-ups on campus.

S. No.	Activity	Academic Year				
		2021-2022	2022-2023	2023-2024	2024-2025	2025-2026
1.	Establish incubation centers	√	√	√	√	√
2.	Encourage students and faculty to establish start-ups on campus.		√	√	√	√
3.	Collaboration with national incubation centers		√	√	√	√

  
PRINCIPAL  
Bharat Institute of Engg. & Tech.  
Mangalpally (V), Ibrahimpatnam (M)  
Ranga Reddy Dist-501 510

## Faculty Development:

### *Strategies:*

- To prepare an Institutional comprehensive training development plan for faculty and staff.
- To support faculty in qualification up gradation.
- To sponsor faculty training in industry to acquire real time experience and expertise.


S. No.	Activity	Academic Year				
		2021-2022	2022-2023	2023-2024	2024-2025	2025-2026
1.	Institutional comprehensive development plan	√	√	√	√	√
2.	Qualification up gradation of faculty to Ph.D	√	√	√	√	√
3.	Faculty self appraisal system	√	√	√	√	√
4.	Faculty incentives for higher education and Research & Development	√	√	√	√	√

## Student Development:

### *Strategies:*

- To establish Student Activity Center for Club Activities and Professional Society Activities.
- To organize extensive interactions of students with experts from industry and premier institutions.
- To sponsor students for industrial training and internship for real time experience.

S. No.	Activity	Academic Year				
		2021-2022	2022-2023	2023-2024	2024-2025	2025-2026
1.	Establish Student Activity Center	√	√	√	√	√
2.	Student Club Activities	√	√	√	√	√
3.	Organize extensive interactions of students with experts from industry and premier institutions.	√	√	√	√	√
4.	Sponsor students for industrial training and internship	√	√	√	√	√

  
PRINCIPAL  
Bharat Institute of Engg. & Tech  
Mangalpally (V), Ibrahimpatnam (M)  
Ranga Reddy Dist-501 510

## Industry Interaction:

### *Strategies:*

- To interact with industry for faculty, staff and student development.
- To tie-up with industry for setting up of advanced laboratories on campus.
- To collaborate with industry for starting joint educational programs.
- To recruit professionals from industry as adjunct faculty.
- To seek feedback and inputs from industry on curricular aspects and skill development.

S. No.	Activity	Academic Year				
		2021-2022	2022-2023	2023-2024	2024-2025	2025-2026
1.	Interact with industry for faculty, staff and student development	√	√	√	√	√
2.	Seek feedback and inputs from industry on curricular aspects and skill development	√	√	√	√	√
3.	Collaborate with industry for starting joint educational programs.			√	√	√
4.	Invite industry to set up finishing school concept			√	√	√

  
PRINCIPAL  
Bharat Institute of Engg. & Tech  
Mangalpally (V), Ibrahimpatnam (M),  
Ranga Reddy Dist-501 510

## Alumni Interaction:

### *Strategies:*

- To maintain and update the alumni digital database.
- To establish Alumni Association with prominent Alumni on the Governing Body.
- To start alumni chapters in prominent places where most of our alumni are employed or doing business.
- To create an eco system for alumni to give back to the Institution in cash or technology transfer.
- To provide special facilities and privileges to the Alumni on campus during their visit to make them feel comfortable.

S. No.	Activity	Academic Year				
		2021-2022	2022-2023	2023-2024	2024-2025	2025-2026
1.	Alumni Online database	√	√	√	√	√
2.	Start alumni chapters in prominent places			√	√	√
3.	Alumni Club			√	√	√
4.	Conduct Alumni Meets at every year	√	√	√	√	√

  
PRINCIPAL  
Bharat Institute of Engg. & Tech  
Mangalpally (V), Ibrahimpatnam (M)  
Ranga Reddy Dist-501 510