ABOUT THE INSTITUTION

Tadipatri Engineering College was established at Tadipatri in Anantapuram District, Andhra Pradesh, India, with an objective of providing quality and value education to the students. It is one of the flagship institutions started by the well-known Philanthropist Sri. Ramesh Reddy K., and Sri. Suresh Reddy K Secretary and Correspondent along with his young and energetic committee members.

Tadipatri Engineering College (TECH) established in the academic year 2010. Affiliated to the Jawaharlal Nehru Technological University, Anantapuram, the college offers B.Tech, M.Tech, and diploma courses across various specializations, such as Civil Engineering, Computer Science Engineering, Electrical, and Electronics Engineering, Electronics and Communication Engineering, and Mechanical Engineering, etc.

Located strategically in veerapuram, Tadipatri, Ananthapuram, TECH caters not only to the urban population but also to the rural communities of Andhra Pradesh State. The curriculum at TECH is meticulously designed, adhering to regulatory guidelines while fostering academic flexibility. With a focus on holistic learning, the institute offers a blend of didactic lectures, preclinical training and mentorship programs. Continuous assessment and feedback mechanisms ensure the effectiveness of the curriculum, while outreach activities through the Community contribute to community welfare.

Research and Innovation are integral to TECH Ethos, supported by well-established policies, research committees, and collaborations. The Institution's commitment to nurturing a culture of innovation is evident through its research initiatives, start-up ecosystem, and partnerships with national and international organizations.

The Infrastructure at TECH is state-of-the-art, providing students and faculty with modern facilities for academic and extracurricular activities. From well-equipped classrooms to sports facilities and a rich library, the institute offers a conducive environment for learning and growth.

Student support services play a vital role in fostering a conducive learning environment, with initiatives ranging from fee waivers to value-added courses and alumni engagement activities. Governance and leadership are characterized by decentralization, stakeholder participation, and a focus on transparency and accountability.

In conclusion, TECH epitomizes excellence in Education, driven by a commitment to academic integrity, research, innovation, and community engagement. With a strong foundation in place and a vision for the future, TECH continues to empower Engineering professionals and contribute to the advancement of oral healthcare.

Sri. K RAMESH REDDY (CHAIRMAN)

Sri. K Ramesh Reddy is a graduate from Sri Krishnadevaraya University, Anantapur. He had also completed his Post Graduation in Bachelor of Law from the same University. He is young and aged 37 years. It is vital to spend it in harmony with our conscience and people we share our life with. Everyone has his own concept of life and aims; he drives to reach. This context forced him to think of his concept of successful living by providing education towards needy people. He has the ability to complete the work which has committed and he is very hard working. Tadipatri Engineering College was established in the year 2010 with the aim to impart quality education to the young minds.

Sri. K SURESH REDDY (SECREATRY)

TECH is located on a beautiful campus, surrounded with abundant greenery and serenity. I strongly feel that the future of India is shaped in class rooms. Effort is also made to develop communication skills and group cohesion skills so that they can perform better in a team. The distinguished faculty at TECH, which forms the most impacting clout in academic and consulting circles, has taken pains to ensure that student of today is constantly acclimatized to the dynamics of change and takes his rightful place among future change drivers of industry.

Dr. R ASHOK KUMAR REDDY (CORRESPONDENT)

Our vision is based on hard work, open communication, a strong emphasis on team work and a high level of responsibility. This visionary culture allows and emphasizes our words not only to adopt the present day challenges but also individual responsibilities to the society and our nation at large. Learning should be based on doing things and not merely knowing things. who feel good about themselves produce good results and people who produce good results feel good about themselves. We also believe in total learning and sharing. Have a visit to TEC and feel good to get good education

GOVERNING COUNCIL

Sl. No.	Name of the Member	Qualification	Position
1.	K Ramesh Reddy	BA., LLB.	Chairman
2.	K Suresh Reddy	BSC	Member
3.	Dr. R Ashok Kumar Reddy	PHD	Member
4.	K Sathwik Reddy	MS	Member
5.	K Neeharika	MS	Member
6.	B Madhusudhan Reddy	BTECH	Member
7.	Prof. B Subba Reddy	PHD	Member
8.	Prof. R Bhuvana Vijaya	PHD	University Nominee
9.	J Madhusudhana	CA	Member
10.	S Saleem Basha	MSC	Member
11.	Dr. E V Subba Reddy	PHD	Co-Ordinator

Few Highlights of TECH:

- Centralized Academic Library with Digital Collections
- Wi-Fi enabled campus
- 24X7 Video Surveillance
- Excellent Research Center
- Guest lectures by experts from Industry/Academia
- Well Furnished hostels
- Green Campus
- Gymnasium
- Outdoor Sports
- Spacious Food Courts
- Pollution Free Campus
- 24x7 Security
- ISO Certified in Quality, Green, Energy & Environmental
- Air-Conditioned Computer Labs
- Good Results
- MNC Companies
- Latest Modern Labs

VISION OF THE INSTITUTE

To impart futuristic Technical Education, advance knowledge, research and instill high pattern of discipline that will best serve the nation and the world in the contemporary century.

MISSION OF THE INSTITUTE

1. To give elite designing instruction that mixes hypothetical information with active down to earth insight, outfitting understudies with the abilities and certainty to settle certifiable difficulties.

2. To cultivate a culture of examination and development, empowering understudies and staff to seek after momentous revelations that advance innovation and add to cultural advancement.

3. To impart a promise to moral practices, maintainability, and social obligation, engaging understudies to design arrangements that decidedly influence the climate and society.

4. To form a different, comprehensive local area of students and instructors, advancing worldwide points of view and cooperative open doors that improve the opportunity for growth.

5. To reinforce associations with industry and local area associations, guaranteeing that instruction stays applicable and that understudies are ready for fruitful professions that meet current and future designing requests.

INSTITUTE DEVELOPMENT PLAN (2023 - 2028)

1. PREFACE

Tadipatri Engineering College is a hub for quality education through teaching - learning process, competent faculty members and committed efforts on research and innovation. TECH is a co-educational institution established in the year 2010 in the scenic **southwestern** part of **Andhra Pradesh** state, which is affiliated to the Jawaharlal Nehru Technological University, Anantapur, Andhra Pradesh. It is recognized for both UG and PG Engineering education by All India Council for Technical Education (AICTE).

The college is managed by Sri Venteswara Educational Society, imparting quality education both academically and professionally. Our college was established in the year 2010 & is known beyond India as an institute for advanced study and look back on long tradition. During these years TECH has become synonym for quality education. The journey has been quite challenging yet very successful. Meanwhile, TECH has developed its strategic plan for the duration of 2023 – 2028 and majority of the goals envisioned in the plan will be achieved successfully.

We are happy to put forward the strategic plan of TECH for the period of 2023 - 2028. We believe with the support and dedicated efforts of all the stakeholders, in the next five years, TECH will achieve a greater level of excellence and distinction in education arena at global level.

2. OVERVIEW OF STRATEGIC PLAN

The strategic plan 2023 – 2028 is currently in process which comprises of following dimensions.

The Strategic plan of TECH includes

1. Ranking & Accreditation.
2. Modern laboratory, flexible & inter- disciplinary teaching methods.
3. Internationalization.
4. Central library as modern information Centre.
5. Healthy faculty - student ratio.
6. Centre of excellence.
7. Increase in student's intake.
8. Generating alternative source of revenue.
9. Seeking Government and Non-Government fund.
10. Research & Innovation.

Our college aspires to be a castle of Engineering education. In order to achieve the above strategies our college performance has to be assessed, rated & recognized by the government agencies like NAAC etc.

The college submits itself for assessment & accreditation by NAAC.

Our college is never tired of motivating staff & students (BTECH, MTECH & MS) to participate in various competitions - academics, cultural & sports in both national and international levels.

The TECH will be effectively implementing and monitoring the process of five-year strategy plan by a IQAC team that will meet quarterly in a year and review the progress.

3. PROGRAMMES OFFERED UG & PG

S.No	Programmes Offered	Year of Establishment
Under Graduate Programme		
BTECH		
1.	Civil Engineering	**2010**
2.	Electrical and Electronics Engineering	**2010**
3.	Mechanical Engineering	**2010**
4.	Electronics and Communication Engineering	**2010**
5.	Computer Science and Engineering	**2010**
6.	Computer Science and Engineering (Data Science)	**2022**
Post Graduate Programme		
MTECH		
1.	Digital Electronics and Communication Systems (ECE)	**2013**
2.	Software Engineering (CSE)	**2013**
3.	CAD/CAM (MECHANICAL)	**2014**
4.	Power Electronics (EEE)	**2014**

4. LIFE CYCLE OF STRATEGIC PLAN

Strategic plan is very significant tool for TECH and it ensures the following

- Frame work for effectiveness and sense of directions.

- Goals and measurable targets.

- Guiding day – day actions.

- Evaluating progress and changing approaches when moving forward.

The plan is developed to establish uproots that provide firm foundation for the constant upgradation of TECH. Tadipatri Engineering College energies the desire of experimentation and innovation, keep in the focus on our vision and mission. The strategic plan sets out a framework of priorities for TECH.

5. SWOC ANALYSIS (Strength, Weakness, Opportunity, Challenges)

The most commonly used practice in strategic planning is to do SWOC analysis: strengths, weakness, opportunities and treat/challenges. It is simple analysis system designed to check the strategic position of particular system inits field of operation and because of its methodological simplicity.

SWOC analysis is divided into two parts the internal environment where strength and weakness are identified, and the analysis of external environment, where opportunities and challenges are determined

INSTITUTIONAL STRENGTH

- Located near to Tadipatri Town, with extensive resources and access to modern facilities, backed by experienced clinicians and faculty, it's an excellent environment for aspiring Engineering professionals.
- The campus boasts the latest investigative facilities for student learning.
- Senior, accomplished Engineering professionals who have made significant contributions to the Engineering sector and contribute to the institute's smooth and efficient functioning.
- Situated in Veerapuram, Tadipatri on Kirshnapatnam port Highway, the college have good access to public and private transportation.
- Students are important stakeholders who actively participate in the development of TECH.
- A dedicated research center on campus provides the necessary support for all research initiatives and activities at TECH.
- This is the extension arm of TECH, responsible for outreach activities across all sectors, from schools to rural communities. The department's hard work and dedication are evident in the range of activities delivered.
- The campus has excellent sporting facilities and a vibrant culture of celebrations for all important social and national festivals.
- Young dynamic dedicated experienced teaching faculty members are available as per UGC norms.
- Determined supportive and committed management with effective leadership ensuring quality in every aspect of Engineering education
- Centralized Academic Library with Digital Collections
- Wi-Fi enabled campus
- 24X7 Video Surveillance
- Excellent Research Center
- Guest lectures by experts from Industry/Academia
- Well Furnished hostels
- Green Campus

- Gymnasium

- Outdoor Sports

- Spacious Food Courts

- Pollution Free Campus

- 24x7 Security

- ISO Certified in Quality, Green, Energy & Environmental

- Air-Conditioned Computer Labs

- Good Results

- MNC Companies

- Latest Modern Labs

WEAKNESS

- Limited by the regulatory bodies for adopting academic reforms.

- Lack of International Visiting Faculty

- Limited Regional Diversity

- Limited advanced research work and sponsorship.

INSTITUTIONAL OPPURTUNITY

- Location of the education hub of **southwestern** part of **Andhra Pradesh** state provides ample opportunity to serve the unreached student community.

- Extension activities to cover wider rural community network in the surrounding districts in the **Andhra Pradesh** State.

- Research opportunities for identifying and solving Engineering problems.

- Encourage faculty for research.

- Excellent internship for our students.

- Easy transportation facilities with Apsrtc Bus services.

- Developing interdisciplinary programmes.

- Foreign institutes are looking towards India for academic and research collaborations.

- Establishing new as well as strengthening existing national and international linkages.

- Recognition of faculty members as fellows of national and international academic and professional societies/bodies.

- Strengthening Research and Innovation by mobilizing funds through different fundingagencies.

- Establishing a global presence through a large pool of alumni in diverse industries and

institutions.

- Outcome based Education.
- Internationalization of various activities.

INSTITUTIONAL CHALLENGES:

- Rising cost of Materials and Equipment's.

- To improve perception of the institution at the national level and improve the branding and reputation of the institute.

- Providing stable and diverse career opportunities to the undergraduate and the postgraduates.

- Rapid development of technologies and increased cost for its incorporation.

- To compete with the other colleges with other colleges in state /country.

- Establishment of educational institutions of repute in the vicinity providing local, regional and global competition.

- Attracting and retaining experienced faculty members and developing a wide spectrum of expertise a cross the disciplines.

- Sustaining quality of education imparted.

- Changing academic and employment scenario.

6. STEP – BY – STEP IMPLEMENTATION

Strategic plan will be implemented at two levels: The department level and the institutional level. The goals set shall be implemented in the Institution by the top leadership of the Institution. They will mobilize resources – human and financial– to achieve the goals and will be closely involved in Implementation of TECH – Strategic plan 2023-2028.

STRATEGIC PLAN – 2023 to 2028

	Academic years	2023 – 2024	2024 – 2025	2025– 2026	2026 - 2027	2027 – 2028
	Key Progress Area (KPA)	**Progressive Enhancement Targets (PET) – Year wise**				
	1. INFRASTRUCTURE					
1	Class room with LCD Projector (Window curtain)	100% of Class Rooms	100% of Class Rooms	100% of Class Rooms	100% of Class Rooms	100% of Class Rooms
	Modernization lab	20%	40%	60%	80%	New Lab
	One seminar hall for each /department (A/C Seminar Hall – 1 / dept)	1 Department	1 Department	2 Departments	2 Departments	All Departments

2. TEACHING - LEARNING PROCESS ON CURRICULUM					
Academic years	**2023 – 2024**	**2024 – 2025**	**2025– 2026**	**2026 - 2027**	**2027 – 2028**
Self-learning material	YES	YES	YES	YES	YES
Subscription to online resources	YES	YES	YES	YES	YES
NIRF Ranking	Nill	Planning	Planning	Will be Participate	Will be Participate
Branding (Ranking)	Nil	Planning	Planning	1 New Magazines	1 New Magazines
Outcome based education (OBE)	Enhance &Improve	Enhance & Improve	Enhance & Improve	Enhance & Improve	Enhance & Improve
NAAC	SSR	Annual Quality Assurance Report	Annual Quality Assurance Report	Annual Quality Assurance Report	Annual Quality Assurance Report

(Row label "2" appears to the left of the data rows)

3. STUDENTS RELATED						
	Academic years	2023 – 2024	2024 – 2025	2025– 2026	2026 - 2027	2027 – 2028
3	Admission (UG)	370	323	350	370	390
	Admission (PG)	33	38	40	50	60
	EAPCET	15%	18%	20%	25%	30%
	Avg Cut - off	60.5	62.5	65	70	70
	Best Student – Awards	1/ Department	1/ Department	1/ Department	1/ Department	1/ Department

4. FACULTY RELATED						
	Academic years	**2023 – 2024**	**2024 – 2025**	**2025– 2026**	**2026 - 2027**	**2027 – 2028**
4	BTECH pass percentage	60%	65%	70%	80%	100%
	MTECH pass percentage	100%	100%	100%	100%	100%
	Student – Faculty Ratio	1:15	1:15	1:15	1:15	1:15
	Publication per depart (with I. Factor)	3	4	4	5	5
	Workshop/FDP Attended – per department	2	2	3	3	4

5. CO-CURRICULAR (STUDENTS)					
Academic years	**2023 – 2024**	**2024 – 2025**	**2025– 2026**	**2026 - 2027**	**2027 – 2028**
Publication (PG) Journalim factor	**10 Nos**	**12 Nos**	**14 Nos**	**16 Nos**	**18 Nos**
Projects (UG/PG)	3 / Department	4 / Department	4 / Department	4 / Department	5 / Department
Workshop / Seminar Attended	1 / year	1 / year	1 / year	1 / year	1 / year
Internship	1 Year	1 Year	1 Year	1 Year	1 Year
Value added Course	8 per Year	10 per Year	12 per Year	12 per Year	12 per Year
Add-on Courses	1-2/ Department	1-2/ Department	1-2/ Department	1-2/ Department	1-2/ Department
Personality Development Class	2 / Activities / Year	2 / Activities / Year	2 / Activities / Year	2 / Activities / Year	2 / Activities / Year

The number 5 appears in the leftmost column spanning the rows.

6.EXTRA CURRICULAR (SUPPLEMENTARY PROCESS)					
Academic years	**2023 – 2024**	**2024 – 2025**	**2025– 2026**	**2026 - 2027**	**2027 – 2028**
Sports	KABADDI	CRICKET	VOLLEY BALL	KHO-KHO	Athletics
Yoga classes	1per Year	1per Year	1per 6 Months	1per 6 Months	1per 3 Months
Physical fitness and training	1per Year	1per Year	1per 6 Months	1per 6 Months	1per 3 Months
Tournaments @ Level	College Level	College Level	College Level	College Level	college Level
Village adoption/ISR/CSR	1	1	1	1	1

(Row label "6" appears to the left spanning the data rows.)

7. RESEARCH AND DEVELOPMENT STRATEGY						
	Academic years	**2023 – 2024**	**2024 – 2025**	**2025– 2026**	**2026 - 2027**	**2027 – 2028**
7	Research FDP/Workshop	3 Nos.	5 Nos.	5 Nos.	7 Nos.	10 Nos.
	Funded Project – applied (1 - 5lakhs)	2 Nos.	2 Nos.	2 Nos.	2 Nos.	3 Nos.
	Funded seminar/workshop conducted	1	1	1	1	1
	National Conference	1	1	1	1	2
	Patent applied (TOTAL)	1	1	1	2	2