NSRIT Estd. 2008.

NADIMPALLI SATYANARAYANA RAJU INSTITUTE OF TECHNOLOGY
(AUTONOMOUS)
(Approved by AICTE, New Delhi & Permanently Affiliated to JNTUGV, Vizianagaram)
Recognized under Section 2(f) & 12(B) of the UGC Act, 1956| Accredited by NAAC with 'A' Grade

NAAC 'A' GRADE

Institutional Strategic Plan & its Effective Implementation & Monitoring

The Institution has a 5-year strategic plan to ensure steady growth of the organization from the year 2024 to 2028 that is prepared by the principal and top leadership team and approved by management.

The following are some of the key targets, action plan set and implementation status for the current strategic plan. The principal appraises the management council once in a month depending on the implementation of the process. The Governing Body of the institution reviews the implementation and progress of the strategic plan at least twice in a year.

S. No.	Plan	Key Targets Set	Implementation/Current Status
1	**Institutional Holistic Development**	• To become one among the top Engineering colleges in the region of JNTU-Vizianagaram. • To enhance the quality of admissions in B.Tech. first year below 5000 rank in state level entrance test (EAPCET).	• Nadimpalli Satyanarayana Raju Institute of Technology (NSRIT) has been participating in National Institutional Ranking Framework (NIRF) in four categories viz., Engineering, Management, Overall, and Innovative. We are improving our score year after year. We are striving to get into the band of 200 to 300. • Careers360 Ranked NSRIT as **AAA+ Graded Institution** for three AY's: 2021-22, 2022-23, 2023-24. • The first best ranker taken the admission in academic year 2024-25 is 10567.
2	**Accreditation by NBA under Tier-I**	Apply for NBA under Tier-I for CSE, ECE, EEE, and ME Departments.	NBA SAR for Tier-I for CSE, ECE, EEE, and Mechanical Departments submitted in the Month of January 2025.
3	**Re-accreditation by NAAC**	To attain A++ Grade in NAAC.	NAAC SSR for Cycle II will be submitted before its validity, December 2025. Submitted AQAR's for A.Y. 2021-22 to 2023-24.
4	**Infrastructure Development**	To establish industry support laboratories	In pursuance of the strategic plan, four industry supported laboratories

		in each program.	are established. - **CSE:** Artificial Intelligence lab, Smart Coders lab. - **ECE:** Design space lab - **ME:** Applied Robotic Control (ARC) lab. - **EEE:** Centre for Electric Vehicle Technology and Industry 4.0.
		To continually upgrade laboratory facilities with state-of-the-art technology.	The Institute prioritizes the annual enhancement of infrastructural facilities based on departmental and student needs, ensuring alignment with the updated curriculum.
		To strengthen state-of-the-art facilities and encourage students for extra-curricular activities.	- A Gymnasium for all stakeholders is provided in different time slots on the campus. - Indoor auditorium construction is completed. - Basketball courts, Cricket pitch, Kabaddi, Kho-Kho, throw ball, Tennikoit, Volley ball, etc., are available. - Indoor sports facilities are available for playing badminton, Table tennis, chess, caroms etc.
		To provide infrastructure for self-learning facilities through MOOCS.	Availability of digital library, department libraries and language laboratory.
5	**Teaching and Learning**	To develop smart classrooms with state-of-the-art facilities.	- LCD projectors are available mostly in all the classrooms and laboratories. - Usage of Learning Management System through Canvas is deployed. - Recording studio for development of e-content is in place. - Internet bandwidth of 1.3 Gbps is available. - Two smart boards are available in the seminar halls.
6	**Curriculum Improvement**	Introduction of MOOCs as Credit Courses	- From AR20 R1 regulation, every student has to mandatorily complete one professional and one open elective course through MOOCs/SWAYAM platform. - Within the framework of JNTU Vizianagaram, NEP 2020 guidelines

			are implemented in the institution.
		B.Tech. Honors and Minors programme is offered by CE, EEE, ME, ECE, CSE, CSD, and CSM departments.	The registered students of B.Tech. Honors and Minors from the first batch of NSRIT (Autonomous), namely 27 students in Honors and 11 students in Minors, have received their respective Honor and Minor degrees.
7	**Strengthening Faculty**	To ensure an academic and research-oriented ambiance on campus, the number of Ph.D. holders are to be increased to 30% of the required strength.	• In an effort to strengthen the faculty, NSRIT has recruited 14 Ph.D. holders since 2024 across different departments. • Currently, 47 faculty members with doctoral degrees are available.
		To encourage more internal faculty members to pursue Ph.D. degrees.	Currently, 34 faculty members are pursuing their Ph.D. degrees.
		To keep faculty updated with the latest technologies, they are encouraged to attend at least one Faculty Development Program (FDP) each semester.	• A total of 153 faculty members have attended FDPs, workshops, and STTPs on the latest technologies from Jan. 2024 to till Jan. 2025. • One ATAL sponsored FDP is also organized by CSE Department.
		To encourage self and continuous learning, faculty members are required to complete an NPTEL certification course per semester, with incentives awarded for successful completion.	• 41 faculty members earned SWAYAM NPTEL certifications as part of their continuous learning initiatives. • Incentives were awarded to 41 faculty members for achieving NPTEL certification up to AY:2023-24
		To Encourage faculty to publish their research work in peer-reviewed journals and conferences, incentives are to be provided for quality paper publications as well as for the publication/grant of patents.	• A total of 21 papers have been published in peer-reviewed journals, and 19 papers were presented at international conferences. Faculty members received incentives for both research publications and conference presentations. • A total of 14 patents have been filed and faculty members received incentives for both published and granted patents up to AY:2023-24

		To encourage faculty participation in academic activities, such as presenting papers at conferences, attending FDPs, and participating in training programs for which leave will be provided.	Academic leave is granted to faculty pursuing a Ph.D. to attend research review meetings, pre-Ph.D. exams, conferences, and other related activities.
		To encourage faculty to undergo pedagogical training/interaction with outside world.	Faculty delivering guest lectures and acting as resource persons.
8	**Research and Development**	To get Research Centers for eligible departments.	- JNTU-GV granted research centers for Electrical & Electronics & Engineering Dept., Mechanical Dept., and Mathematics Dept. for NSRIT for the A.Y.2023-24 and A.Y.2024-25. - Research scholars are allocated for EEE and Mathematics department.
		To consistently apply for research projects from various funding agencies and secure sponsored projects.	- Research proposals totaling Rs. 2,14,63,200/- have been submitted to various funding agencies, including DST, AICTE, and others. - A grant of Rs. 2,50,000/- was received for conducting the ATAL FDP. - The AICTE IDEA Lab has been approved for NSRIT with a funding amount of Rs. 96,49,510/-.
		To foster a startup culture by promoting innovation through idea challenges, incubation spaces, and hands-on entrepreneurial training.	**Four startups** have been launched by the CSE, ECE, EEE, and Mechanical branches through hosting idea challenges, selecting promising projects, and offering mentorship and incubation support.
		To develop in-house R&D by facilitating required infrastructure and financial support.	It is planned to allocate Rs.2,00,000/- per department as seed money to encourage faculty to pursue research work.
		To encourage more peer reviewed Publications.	A total of 21 papers have been published in peer-reviewed journals, and 19 papers were presented at international conferences.

		The goal is to file at least 50 patents by 2028 and ensure that at least 40% of the filed patents are granted.	A total of 14 patents have been filed, out of which 9 patents have been published and 4 patents are granted so far.
		To initiate collaborative research with reputed organizations and enhance MOUs with premier institutes, foreign universities, and research organizations.	MoU with Aachen University, Aachen, Germany as part of sharing the knowledge of Robotics.
		To encourage faculty participation in Quality Improvement Programme (QIP) offered by AICTE.	Three faculty members have successfully completed the AICTE QIP in Cyber Security.
9	**Student Career Development**	To enhance Institute Industry Linkage for • Promoting Internships with a focus on stipend-based internships. • Encourage students to work on real projects for industries • Invite industry experts to inspire students and offer practical knowledge.	• A separate Institute-Industry Linkage and Engagement (IIE) cell has been established to equip students with the skills and professional mindset necessary for achieving a successful career. • Department wise IIE Coordinators to strengthen IIE. • 43 MOUs with various Industries for technology dissemination and knowledge sharing. • 100% of students completed internships during the summer break. • A total of 108 students have secured stipend-based internships as on 31-12-2024. • 1258 certification courses are done by students offered by NASSCOMM – Accenture, VihanElectrix, Edx certification, Infosys Spring Board, etc., as on 31-12-2024.
		To achieve 100% placements for eligible candidates by focusing on: i. Targeting placement drives with annual salary packages of 3.2 lakhs and above. ii. Enhancing technical and coding skills in students. iii. Improving professional	Necessary measures initiated to improve average salary package are: • Reasoning and aptitude skills classes are conducted from II B.Tech. to help students crack placements and national entrance tests. • Technical training has been incorporated into academics starting from III B.Tech. of 566 no. of students • Professional communication skills classes are conducted for students from II B.Tech.

			iv. Strategizing plans for core company placements. v. Provide hands-on trainings as per the needs of the industry	• Continuous assessments are carried out to monitor their performance. • Over the last three years, an average of 82% of eligible students are placed in reputed companies.
		To further strengthen the Institute Innovation Council (IIC) in order to enhance student career development.	• Impetus is given to students to enrich their knowledge of the startup ecosystem, IPR and patents, and entrepreneurial skill development through design thinking and critical thinking concepts. • For the A.Y. 2023-24, 72 events were organized and NSRIT received a **3.5/5.0 star rating** in the National IIC Assessment.
10	**Academic Excellence**	To keep improving the teaching/ learning environment.	• A training arm of Centre for Academic Excellence under IQAC is established for training the fresh faculty for understanding OBE. • Course Assessments are done semester wise assuring the set attainment levels by taking measures. • As per NEP-2020, NSRIT is registered at NAD portal and created ABC (Academic Bank of Credits), APAAR Ids for all the students admitted from 2021 batch and uploaded their **3818** grade sheets.
		To improve academic success rate in Semester End Exams	Slow learners are identified based on the performance in Continuous Internal Evaluation (CIE)-1 and conducting additional coaching by providing makeup classes for those students in the respective courses.
		To encourage more students to opt for higher education.	Awareness sessions on the impact of higher education on the students' career are being conducted. Technical training classes are being conducted focusing on PGCET/GATE/GRE/TOEFL etc.
		To encourage the students to undergo MOOCS certification courses like NPTEL.	**438** students are certified by SWAYAM NPTEL in various advanced courses.

11	**Examination Reforms**	To introduce digital evaluation.	Presently, evaluation is done in a conventional manner.
12	**Energy Audit**	• To conduct Annual Electrical Safety Inspection for ensuring safety. • Electricity Bill Analysis • Use of Solar Power PV and analysis to reduce number of units and power bill.	Annually Electrical Safety Inspection is conducted by Andhra Pradesh Electricity Power Distribution Coop. Ltd. (APEPDCL)
13	**Green Audit**	• Procedure for Green Audit • Activities under Green Campus • Plastic free campus	Implementation of Green Initiatives: • Rainwater Harvesting Pits are available. • Audit for Carbon footprint study and energy audit is conducted by Sustainable Living Inc. and certificate received. • Environment Audit (Water conservation and Waste management) is conducted by Sustainable Living Inc. and certificate received. • Green landscape Audit is conducted by Sustainable Living Inc. and certificate received. • NSS activities are organized for maintaining plastic free campus, green campus and environment.
14	**Enhance alumni engagement**	To organize more interactions with alumni, disseminate their knowledge, involve in curriculum design and mentoring.	• Included alumni in the curriculum development • Organized guest lectures.