



NRI Institute of Technology

Visadala (P.O.) Medikonduru, Guntur.

Ph: 0863 - 2344300

www.nriit.ac.in

E-Mail : nriit.guntur@gmail.com

Cell: 7288889131

STRATEGIC PLAN & DEPLOYMENT



NRI INSTITUTE OF TECHNOLOGY

VISADALA (P.O), MEDIKONDURU MANDAL, GUNTUR – 522 438

2020-21

MESSAGE


NRI Institute of Technology, Visadala Road, Guntur, Andhra Pradesh, was established by MNK Education Society in 2008 aiming at becoming a pioneer in Technical Education in the private sector.

The NRI Institute of Technology was instituted by the MNK Education society in Visadala campus with an idea of opening an engineering college in the Guntur. The college offers 05 UG courses (B.Tech) i.e., Civil Engineering, Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering and Mechanical Engineering. In PG level 04 courses i.e., M.Tech. Structural engineering in Civil, DECS in ECE, Computer Science Engineering in CSE and Master of Business Administration (MBA). The instructional facilities are spacious, and the laboratories are continuously upgraded with state-of-the-art equipment. There are highly qualified and dedicated faculties. The strategic plan & development-2016- 2021 would acts as supervisory document for the next five years to assess and improve the institution towards delivering high quality education there by earning due recognition. The focus of strategic plan & development would be on good governance, best in class teaching-learning, research & innovation and highly employable students who act as brand ambassadors for the institution and trained to students in technical skills while inculcating in them a sense of social responsibility, in tune with the vision and mission of the college.

I congratulate and commend the high-quality work done by the Principal, HODs, and Faculty towards developing Strategic plan & Development 2016-21.

Wishing all the Success!

A. Rajendra Prasad
Secretary and Correspondent




PRINCIPAL
NRI Institute of Technology
VISADALA (P.O), Guntur-522 438

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 era. Strategic Planning and deployment document 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 and short-term goals. These are defined and guided by the stake holders (management, leadership, HODs, faculty, staff, industry, students, alumni and parents) through SWOC analysis. After analyzing 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 has been taken to involve all stakeholders to help contribute their part which is vital for the success of every organization. Effort has been taken to clearly identify the implementation processes and monitoring by identifying measurable targets in line with the desired outcomes. This will emerge to be the guiding force for NRI Institute of Technology to achieve its goal to become an institution of Academic brilliance and providing proficient by skilled young Technocrats and Managers to the society.



PRINCIPAL
NRI Institute of Technology
VISADALA (P.O), Guntur-522 438

VISION

To become reputed institution of Engineering & Management programs, producing competitive, ethical & socially responsible professionals.

MISSION

IM1: Provide quality education through best teaching and learning practices of committed staff.

IM2: Establish a continuous interaction, participation and collaboration with industry to provide solutions.

IM3: Provide the facilities that motivate/encourage faculty and students in research and development activities.

IM4: Develop human values, professional ethics and interpersonal skills amongst the individuals.

QUALITY POLICY

To pursue standards in all endeavors, with a holistic educational motivate of continuous monitoring evaluation and improvement, aiming at the total satisfaction of the stakeholders.

QUALITY OBJECTIVES

- Maintaining state-of-the art infrastructure and congenial learning environment.
- Enhancing the competencies of faculty by making them adaptable to all modern and innovative methods in teaching-learning process.
- Promoting research and development programme for the growth of economy
- Ensuring continuous improvement of Quality Management Systems to meet the needs and requirements of all its stakeholders.

Core Values:

Core values deliver the basis for all the academic, student and social programs and activities. The stated core values support the mission of NRI Institute of Technology.

- Enhance professionalism with good human values.
- Encouraging students to become productive, participating citizens.
- Support the mission and vision of the College.
- Focus on student and stakeholder needs.
- Continuously evaluate and improve programs, services, systems, and policies
- Promote creativity and innovation in all activities
- Recognize and support staff and student contributions.
- Create healthy atmosphere for effective teaching–learning process.
- Encourage interdepartmental collaboration.
- Recognize, appreciate, and celebrate the strength of diversity.
- Encouraging students to become productive, participating citizens.
- Sharing of experience, knowledge and skills.

STRENGTH, WEAKNESS, OPPORTUNITY, AND CHALLENGES (SWOC) ANALYSIS

Institutional Strengths:

1. Socially conscious, humanitarian, far- sighted and visionary management.
2. Located at the nearer to the city.
3. Highly qualified and experienced teaching and non-teaching staff with high Retention ratio.
4. Membership with professional societies like IEEE, ISTE, IETE, SAE, CSI, ACA.
5. Wi-fi enabled campus.
6. Students' admissions have been consistently good.
7. Functional MoUs with industries and academic institutions like University of Silicon Andhra - California.
8. Well- established and state-of-the-art laboratories with good infrastructure.
9. The administrative and management policies & controls are well-defined.
10. Registered Alumni Association.
11. Recognized and proactive NSS Unit.
12. Lush green environment-friendly, pollution- free, plastic-free campus to create an ideal study space

Institutional Weakness:

It takes proactive measures to improve the quality of teaching, learning, and research. Though the institute has scripted many success stories, there are certain areas in which it needs to move forward. There is a need to overcome the limitations in the following areas:


1. Attracting more core companies to campus for recruitment. Efforts are made by signing MoUs with various organizations to bridge the gap between academia and industrial requirements.
2. Adhering to affiliated status, the college has restrictions pertaining to the academic flexibility to address industry requirements.
3. Research and Development and consultancy activities need to be strengthened.
4. Establishment of laboratories through Institute Industry Collaboration.

Institutional Opportunities:

1. Autonomous status will provide the flexibility in overcoming the shortfalls faced under affiliated status.
2. The location of the college will leverage the opportunity to have collaboration with Central/State Universities, industry and Research laboratories.
3. Collaborative research work can be carried with government sectors like ISRO, DRDO, NRSC, Texas Instruments etc.
4. Creating awareness among faculty members and students about the intellectual property rights and patent filling.
5. Strengthening the alumni network to provide more career development opportunities to the students.

Institutional Challenges:

1. With a wide range of career opportunities available in the Software / IT sector, attracting quality students to enroll in the core engineering branches like Civil, EEE and Mechanical Engineering has become a challenge.
2. Being an affiliated institution, meeting the industry demands and expectation with rapid change in technology has become a challenge.
3. Attracting core companies for placements.
4. Promoting sponsored research and consultancy as per industry requirements.
5. Imparting value-added courses and student exchange programs on niche technologies to bridge the curricular gaps in the stipulated time period of an academic year has always been a challenge.



PRINCIPAL
NRI Institute of Technology
VISADALA (P.O), Guntur-522 438

STRATEGIC GOALS

NRI Institute of Technology Management team after brainstorming the vision, mission, quality policy, core values, environmental factors and SWOC analysis have reached the step of defining Institution Strategic Goals for 2016-21.

1.	Good Governance
2.	Teaching & Learning
3.	Research & Development
4.	Physical Infrastructure
5.	Industry & Institute Collaborations (MOUs)
6.	Placement, Internships & Career
7.	Accreditation & Certification
8.	Autonomous Status
9.	Alumni engagement and interaction
10.	Quality assurance systems
11.	Library & information centre
12.	Entrepreneurship
13.	Social Activities

STRATEGIC PLANNING

Strategic Goal	Strategic Planning
Good Governance	Governing Body: <ul style="list-style-type: none"> Supervisory and approving policy matters, Staff Recruitments, annual budgets Evaluation of institutions academic performance and bench marking. Smooth Working of statutory committees.
	Vision, Mission, and Institution Strategic Goals: <ul style="list-style-type: none"> Vision, Mission progress & their delivery. Setting short term and long-term goals. Institutional Strategic development plan.
	Leadership & Transparency management: <ul style="list-style-type: none"> Polices formulation, approval & implementation. Service Rules circulations Student & Staff Grievance Redressal mechanism Decentralization of leadership managements Implementation E-Governance in administrative, Student support, etc.,
	Internal Quality Assurance Cell & Accreditation: <ul style="list-style-type: none"> Monitoring Conduct internal audit committee for monitoring compliance. Systems, checks and balances- Remedial measures.

<p>Teaching & Learning</p>	<ul style="list-style-type: none"> ▪ The improvements in teaching & learning infrastructure keeping in line the changing pedagogy and its implementation like aggressive adoption of ICT through improved facilities in classrooms, e-classrooms, skill development centers, laboratory, library, Wi-Fi enabled classrooms. ▪ R&D Laboratory and its maintenance
<p>Research & Development</p>	<ul style="list-style-type: none"> ▪ Enhancing R&D laboratories in all departments. ▪ Dedicated R&D facilitation & documentation centre. ▪ Competent technical staff for R&D labs. ▪ Establishing centres of excellences. ▪ Establishing Consultancy cell. ▪ Startup of maker Space– Product and development. ▪ Focus on Product development. ▪ Starting of patent cell. ▪ Patent filing, Scaling up & commercialization.
<p>Physical Infrastructure</p>	<ul style="list-style-type: none"> ▪ Upgrade the Classrooms, Tutorials, Seminar halls, conference halls. ▪ State of the art Laboratory & equipment up gradation Library infrastructure & e-learning ▪ Emerging sports (indoor/outdoor) facilities ▪ Strengthen Hobby clubs & Canteen facilities. ▪ Increasing Transport facilities. ▪ Rain water harvesting and plantations. ▪ Developing facilities to improve the energy saving & management. ▪ Solid waste management (zero plastic usage) ▪ Developing facilities to efficient usage of recycled waste water.

<p>Industry & Institute Collaborations</p>	<ul style="list-style-type: none"> ▪ Formation of industry institute interaction cell ▪ Identify branch wise preferred industries & companies. ▪ Identification of potential areas of research MoUs with industries ▪ Support for internships, visits, trainings, guest lectures ▪ Providing opportunities for Industry based / sponsored projects. ▪ Providing career guidance & Strengthen training & placement. ▪ Establish centres of excellence & skill development centers. ▪ Professional bodies membership.
<p>Training & Placement</p>	<ul style="list-style-type: none"> ▪ Setups dedicate T&P Team. ▪ Conduct Awareness programmes. ▪ Conduct Value added programmes. ▪ MOU s and relationship management ▪ Internships planning and execution. ▪ Developing Data base of various potential Industries / companies. ▪ Modernization of infrastructure (Video conferencing, interview & conference rooms).
<p>Autonomous Status</p>	<ul style="list-style-type: none"> ▪ Discussion in Governing Body and approval for university affiliation & Autonomous Status. ▪ Resource planning & budget approval. ▪ Inspections university affiliation preparation & Approvals. ▪ Preparation for the Accreditation & certifications
<p>Alumni Interaction</p>	<ul style="list-style-type: none"> ▪ Strengthen Alumni association and engagement. ▪ Establish alumni association office on campus, engage students. ▪ Data base updation and interactive alumni website ▪ Establish global chapters and networking

<p>Internal Quality Assurance & Assessment cell</p>	<ul style="list-style-type: none"> ▪ Setting up of IQAC team ▪ Intermittent checks and guidance ▪ Recognizing achievements & best practices ▪ Choose accreditation/certification agency. ▪ Establish academic audit process & audit teams.
<p>Library & Information Centre</p>	<ul style="list-style-type: none"> ▪ Budget allocation for library & information centre. ▪ Books, journals procurement, storage, and Retrieval. ▪ Digitization of Library resources. ▪ Resources automation & Access (24X 7).
<p>Entrepreneurship</p>	<ul style="list-style-type: none"> ▪ Establishment of dedicated EDP cell. ▪ Identification of emerging areas of entrepreneurship. ▪ Identify interested students for entrepreneurship. ▪ Identify mentors from successful entrepreneurs from Alumni/others. ▪ Formal training on entrepreneurship.
<p>Social Activities</p>	<ul style="list-style-type: none"> ▪ Study rural projects and challenges under UBA. ▪ Conduct awareness programs in villages / communities. ▪ Conducting health awareness camps & Blood donation camps.

K. Sunan

PRINCIPAL

NRI Institute of Technology
VISADALA (P.O), Guntur-522 438

STRATEGY IMPLEMENTATION AND MONITORING

Strategic development plan once approved by Governing Body and the progress shall be measured from time to time through the IQAC. Hence the measurable success indicators are clearly spelt out in the implementation document. The principal along with academic council and other team member will be the custodian for strategic plan and its deployment.

Implementation at institute level

Particular	Committee
Good Governance & Administration	GB, Secretary & Correspondent,, Members of GB
Finance & Account Management	Finance Committee
Institution Complaint Compliance (IIC)	Principal, Vice-Principal and HODs
Autonomous & University Affiliations	GB, Principal, Vice-Principal and HODs
Infrastructure-Academics	GB, Secretary & Correspondent, Principal, Vice-Principal, HODs and Incharge Maintenance
Physical Infrastructure	GB, Secretary & Correspondent, Principal, Vice-Principal, HODs and Incharge Maintenance
Teaching- Learning	Principal, Vice-Principal, HODs, Faculty and Staff
Research & Development, Consultancy	Principal, Research Coordinators
Student affairs	Principal, Vice-Principal & HODs
Student admissions	Principal & Admission Incharge
Departmental activities	HODs and Faculty
Placement & Training	Principal, Placement & Training Incharge and HODS
Entrepreneurship	Principal and E&D Cell Incharge
Library	Principal, Vice Principal and Library Coordinator

MEASURABLE DURING IMPLEMENTATION

Strategic Goal	Deployments
Good Governance	<ul style="list-style-type: none"> ▪ Governing Body selection ▪ Vision-Mission reviews ▪ Number of meetings conducted. ▪ Policies implementation. ▪ Student & staff procedures, ▪ Service & Conduct Rules ▪ ERP implementation, etc.,
Accreditation & Certification	<ul style="list-style-type: none"> ▪ The institute has ISO 2009:15 Certification. ▪ The Institute got UGC 2f status.
Infrastructure and facilities	<ul style="list-style-type: none"> ▪ Upgrade the all the computers. ▪ Strengthen WIFI Facility. ▪ The entire campus installed CCTV cameras and fire safety equipments in each floor of the block. ▪ Adequate infrastructure is developed for extracurricular activities. ▪ Established RO unit and Potable water supply through coolers and dispensers is made available in every floor and block.
Teaching & Learning	<ul style="list-style-type: none"> ▪ No. of learning resources ▪ No. of student counseling/mentoring/training sessions conducted. ▪ Result of examinations (Pass, First classes, Distinctions) ▪ Graduate attribute attainment levels ▪ Student feedback
Industry & Institute Collaborations (MOUs)	<ul style="list-style-type: none"> ▪ Institute done with institute wise and department wise with different industries and organizations Like University of Silicon Andhra, California, USA. etc.,
Skill Development	<ul style="list-style-type: none"> ▪ Center of Excellence Electric Vehicle with SkillShark, MoU with CISCO Academy & Oracle Academy, BoTLAB.
Student Clubs	<ul style="list-style-type: none"> ▪ Established NRIIT Campus Connect (NCC) Club for Cultural Activities.


Research & Development	<ul style="list-style-type: none"> Established R&D Hub with collaborate University of Silicon Andhra, California, USA.
Training & Placement	<ul style="list-style-type: none"> Every Year Conducted Campus Recruitment Training (CRT) Classes with FACE, TIME Tie-up with Pre-access test agencies Code Tantra, Co-Cubes, AMCAT
Certification	<ul style="list-style-type: none"> From IIC the institute got 3.5 Star rating NIRF is in Planning Phase ARIIA -2021 waiting for results
Green Initiative	<ul style="list-style-type: none"> 50kWp Rooftop Solar plant is installed. Biogas Plant is installed. Replacement with tube lights with LED lights

The Principal, Academic Council and other committees will be monitored implementation of strategic plan regularly. The various committees in-chargers will prepare the detailed improvement report. The IQAC committee intermittently monitoring, evaluation of attainment of strategic plan. The IQAC will report the findings to the Academic Council and GB. Based on IQAC report, the Academic Council and GB committee will recommend the corrective actions, need of further processes and deployment of resources.

K. Srinivas
 PRINCIPAL
NRI Institute of Technology
 VISADALA (P.O), Guntur-522 438

CONCLUSION

The strategic plan & deployment is an effort for clearing a pathway towards achievement of objectives of NRI Institute of Technology dreams to accomplish. Simply defining the essential arrangement doesn't guarantee a good outcome, however it gives a directing structure which is an aggregate exertion conveyed by the cycle of participative brainstorming of stakeholders. The appropriate execution of strategies through collaboration with great soul prompts achievement and manageability throughout a more drawn-out time through a powerful cycle. It needs continuous evolution to incorporate the lessons learnt during the implementation and emphasizes the role of IQAC in ensuring the quality of implementation.



PRINCIPAL
NRI Institute of Technology
VISADALA (P.O), Guntur-522 438