



VIGNAN's INSTITUTE OF INFORMATION TECHNOLOGY
(AUTONOMOUS)

(Approved by AICTE - New Delhi & Affiliated to JNTUK, Kakinada)
Beside VSEZ, Duvvada, Vadlapudi Post, Gajuwaka, Visakhapatnam - 530 049.

STRATEGIC PLAN

2023-2028

VIIT Strategic Plan 2023-28: Version V0

With effect from 1st June 2023

Preface:

Vignan's Institute of Information Technology (VIIT) was established in the year 2002 in the City of Destiny, Visakhapatnam, Andhra Pradesh, India. It is promoted by Dr. Lavu Rathaiah, Chairman, of Lavu Educational Society, Guntur, Andhra Pradesh, India. Vignan's Institute of Information Technology (A), is initially affiliated to the JNT University Kakinada till 2022-23 and is now affiliated to JNT University Gurajada, Vizianagaram. The institute envisioned to be a recognised leader in technical education and is aimed at national excellence by creating competent and socially conscious globally acceptable technical manpower for the current and future Industrial requirements. VIIT started in 2002 with Four B.Tech programmes (CSE, ECE, IT & EEE,) with an annual intake of 240.

VIIT is now permanently affiliated to JNT University-Gurajada, Vizianagaram and offering Eleven UG Programs (Civil Engineering, Computer Science, Electronics and Communication Engineering, Mechanical Engineering, Information Technology, Electrical & Electronics Engineering, Electronics & Computer Science and Artificial Intelligence and Data Science, CSE-Artificial Intelligence, CSE-Data Science, CSE-Cyber Security) and 10 PG Programs including 8 M. Tech Programs (MD, P&ID, ECE, DECS, AI&ML, CSE, IT, TE), MBA, MCA with the Annual intake of 1864.

VIIT is Accredited by NAAC with 'A' Grade CGPA 3.41/4.00 in the year 2017 and also accredited by NBA for FIVE UG programs such as Computer Science Engineering, Electronics and Communication Engineering, Mechanical Engineering, Information Technology and Electrical and Electronics Engineering branches. Institute is also conferred with Autonomous Status in the year 2017 by University Grants Commission, New Delhi and also granted recognition under section 2(f), & 12(B) of the UGC Act, 1956 in the year 2014. Institute is also a STRIDE partner (Component 1), and Mentor Institute Under UGC-PARAMARSH Scheme.

VIIT established recognised Research centers approved by JNTU-GV University, and VFSTR University, Guntur. VIIT also recognised by Govt. of Andhra Pradesh with 'A' Grade in terms of Key performance Indicators in Engineering Education. IUCEE recognized VIIT as one of the best consortium leader in AP and Telangana. It is also collaborated with the premier technical institutions like, IIT Mumbai, and IIT Khargpur to exchange of video lectures through Ekalavya remote centre and for the activities of Robotics and Entrepreneurship development. The Institution conforms to quality standards such as ISO 9001:2017, ISO 14001:2018 and OHSAS 18001:2017. The institute is also undertaking Research & Development in thrust areas of Technology and Societal related issues. The Institute introduced Innovative practices in Teaching Learning & Evaluation to meet the quality standards in Higher education, few of the practices are Semester long Internship, Integration of Theory with Laboratories. The institute has collaboration with more than 100 Industry like, RINL, Infosys, Ramco, Reliance Jio, BSNL, VCTPL, WDM, Indian Navy, TCS, and GIT Solutions which offer internships. The Institute is committed to its core values and expects all stakeholders to embrace them. It has zero tolerance

towards any deliberate violation of the core values.

Institute has established a strong in-house Training and Placement department (TPC) to train the students from the IIIrd semester in soft skills, programming skills, Problem solving skills etc. Career Guidance Cell (CGC) Supplements information that helps and Guides the students for their future careers. The institute consistently achieving more than 85% placements every year with the highest annual package of Rs. 31.5 Lakhs per annum from companies like AMAZON, Microsoft etc., Established Vignan's Center for Innovation and Startups and Entrepreneurship Development Cell (EDC) to promote innovation and start-ups among the students to become successful Entrepreneurs. Since its inception it has been encouraging the students & Faculty in their academic pursuits by imparting high quality technical education and striving hard to transform this institute into one of the best technological institutions in the country.

Strategic Plan

The Strategic Plan has been developed as a guide envisioning our future priorities. Aligned with the Institute's Mission, the Strategic Plan defines the objectives and strategies that will build towards the goals outlined. A Strategic Planning Committee (VSPC) was constituted with key Institute leaders and faculty representatives. The VSPC prepared a draft strategy document with a Vision, Mission, goals and action items. After drafting the strategy document, brain storming sessions are conducted involving all the stakeholders. SWOT analysis of the institute is conducted based on the discussion and SWOT analysis report. The Strategy plan was finalized and finally a plan was presented to Governing Body for its discussion and approval. By incorporating the suggestion of GB, strategy plan was finalized for the period 2023-24 to 2027-28.

Institute Vision, Mission and Values Vision

We envision to be a recognized leader in technical education and shall aim at national excellence by creating competent and socially conscious technical manpower for the current and future industrial requirements and development of the nation.

Mission

VIIT seeks to realize its Vision by:

- Undertaking Research & Development in thrust areas
- Introducing Innovative practices of teaching learning
- Continuously collaborating with Industry
- Promoting strong set of ethical values
- Serving the surrounding region and Nation at large

Objectives

- Academic objectives -
 - About 90% students to complete their program within the stipulated time
 - Minimum 80-85% students to achieve placements, 3-5% to become entrepreneurs and 10% of students to pursue higher studies
- Social consciousness – Each student to work on at least 2 socially relevant projects before completing the program
- National recognition through research – Each faculty to publish at least one research paper per year in peer-reviewed standard journals and at least 10% of the faculty to be active with funded projects
- Industry collaboration – Every program is expected to sign MOU with at least two Industries.
- Social Responsibility – The institute aims to adopt at least one village every year and create an impact on the improvement of the villagers’ lives in terms of their education, health and economic levels.

Core Value

VIIT focused on eight core values mentioned below.

(i) Contributing to National Development

Contributing to National development has always been an implicit goal of VIIT. Serving the cause of social justice, ensuring equity ,increasing access to higher education , human resource development and capacity building of individuals, to cater to the needs of the economy, society and the country as a whole, thereby, VIIT contributing to the development of the Nation.

(ii) Fostering Global Competencies among Students

With liberalization and globalization of economic activities, the need to develop skilled human resources of a high caliber is imperative. Therefore, VIIT is preparing the students to achieve core competencies, to face the global challenges successfully innovative, creative and entrepreneurial in their approach. Towards achieving this, VIIT established collaborations with industries, network with the neighborhood agencies/bodies and foster a closer relationship between the “world of competent-learning” and the world of skilled work”.

(iii) Inculcating a Value System among Students

Although skill development is crucial to the success of students in the job market, skills are of less value in the absence of appropriate value systems. In India, with cultural pluralities and diversities, it is essential that students imbibe the appropriate values

commensurate with social, cultural, economic and environmental realities, at the local and national level. VIIT shouldering the responsibility of inculcating desirable value systems among students.

(iv) Promoting the Use of Technology & Innovation

Technological advancement and innovations in educational transactions have to be undertaken by all, to make a visible impact on academic development as well as administration. To keep pace with the developments in other spheres of human endeavor, VIIT has enriched the learning experiences of their students by providing them with state-of-the-art educational technologies including Information and Communication Technologies (ICT). VIIT established Technology Incubation Hub, Business Incubation Center and Entrepreneurship Development Cell to encourage students & Faculty for Innovation.

(v) Quest for Excellence

The Institute is committed to excellence in all spheres of its activities, and through internal and external reviews, and will work towards continuous improvement. The Institute will demonstrate excellence by our people, programmes and outcomes, as well as by the quality of decisions and actions recognised through awards and honors. This 'Quest for Excellence' started with the assessment or even earlier, by the establishment of the Internal Quality Assurance Cell (IQAC) in the campus.

(vi) Integrity

Integrity involves honesty and fairness, consistency in instruction, ethics of scholarship, freedom of inquiry, and open and truthful engagement with the community through effective communication, policies and practices. Research and Teaching shall be carried out in an environment of academic freedom and honesty. The Institute will adhere to the standards of ethics in all its activities.

(vii) Transparency

The Institute will function according to defined procedures and rules, which will be informed to all stakeholders. The Institute will put all important information related to its functioning in college Website, www.vignaniit.edu.in

(viii) Empathy

An awareness of the conditions of the weaker sections of our society and contributions towards solution of their problems will form an integral part of the research and education programmes of the Institute.

The vision articulates our future direction. The mission specifies our purpose of existence. The values assert our beliefs that guide our actions and behavior. Taken together, they provide a road map to our destination.

Strategic Goals

In order to achieve its Mission, retaining the culture and aspirations, The VIIT has established the following GOALS:

GOAL1: Be among the Best Technical institutions in the country in Technology and Management by acquiring NIRF Rank less than 200.

GOAL2: Developing Excellence in Research and Consultancy. Publishing at least 500 papers in peer reviewed journals per year.

GOAL3: Developing Excellence in Innovation, and Entrepreneurship activities producing at least four to five entrepreneurs per year.

GOAL4: Promoting strong set of professional ethics and Human value amongst students and Staff

GOAL5: To focus on overall development of the students through high quality academic programs, training, Placement co – curricular and extra-curricular activities and community outreach programs.

GOAL6: To establish and maintain facilities and infrastructure; governance and administration that support the achievement of the college's Vision, Mission and Values.

GOAL7: Working towards sustainable goals

GOAL8: Implementation of IQAC to the possible extent

GOAL 1:

Be among the Best Technical institutions in the country in Technology and Management.

VIIT planned to develop the next generation of Engineers, Innovators and Entrepreneurs who will attain technical competence with leadership skills. The College will continue to strive in creating lifelong learners through the active engagement and support of its stakeholders and alumni.

Objective 1.1: Improvement in Teaching, Training and Learning Facilities

Strategies:

- a) Modernize and Strengthen the Laboratories as per Regulations
- b) Continuous updating of books, Learning Resources and Course specific software.
- c) Keep the Library and Digital Library Facility open to maximum time possible
- d) Encourage innovative teaching, learning and assessment methods
- e) Enhance faculty and student interaction with reputed institutions/companies

- through training programmes, workshops and collaborative projects
- f) Increase internships and student exchange programmes at reputed institutions and companies.
- g) More focus on finishing school programmes to improve placement rate
- h) Train the students for various National level competitive exams like UPSC.

Objective 1.2: Institutional Brand building Strategies:

- a) To be a Student centric institute, where academics is followed with utmost passion and sincerity.
- b) Improve overall student and Faculty satisfaction for word of mouth
- c) Evolve mechanisms to attract high quality students from local, national and international
- d) Ensure quality assurance through annual quality assessment
- e) Attain higher levels of achievements in co-curricular and extra – curricular activities
- f) Inspire social commitment of Faculty, staff and students through outreach activities
- g) Enhance the role of stakeholders in decision making
- h) Establish structured feedback system from stakeholders for curriculum enrichment activities
- i) Monitor the effective implementation of the strategic plan

Objective 1.3: Promote Alumni networking with students Strategies:

- a) Create a world-wide VIIT Alumni network
- b) Attract alumni support in placements, Knowledge sharing and internships for students
- c) Enhance the involvement of Alumni as Resource persons for technical workshops and invited talks, ASPIRE (National level techno Symposium)
- d) Strengthen Alumni involvement as Innovator or Entrepreneur in the campus start-up ecosystem–Technology Incubation Hub, Business Incubation Center and Entrepreneurship Development Cell.

GOAL 2:

Developing Excellence in Research and Consultancy.

Our endeavors fostering Innovation, Research, Consultancy, Internship programs and Entrepreneurship in the coming years to prepare the students to be global citizens.

Objective 2.1: Strengthen research activities Strategies:

- a) Increase the number of external and internal research projects.
More focus on Sponsored Research projects.
- b) Increase research publications in reputed peer reviewed refereed Journals.
- c) Encourage faculty and students to organize/ attend workshops, conferences, invited

talks, seminars etc.

- d) Encourage faculty and students for commercialization and patenting of Research products
- e) Continuously monitor and apply for financial aids given by central, state governments and various international organizations
- f) Obtain Research centre for all other Departments of the college by JNTUV and other Universities also.
- g) Establishing center of Excellency in two to four nationally recognized areas of marked distinction within the college by identifying unique research opportunities that matches our faculty's expertise, building upon the research strengths of the college and develop road maps.
- h) Establish Interdisciplinary/Transdisciplinary Research Centre in the campus.

Objective 2.2: Strengthen Industry Institute Interaction Cell for consultancy and internships

Strategies:

- a) Continue to Nurture a culture of research and innovation excellence focusing on challenges of society in the region.
- b) Strengthen consultancy cell and pursue consultancy activities for all the departments
- c) Sign MoUs with more reputed industries and organization for productive partnership to undertake joint research projects, training and internships.

GOAL 3:

Developing Excellence in Innovation, and Entrepreneurship activities

Objective 3.1: Strengthen Entrepreneurial ecosystem in the campus Strategies:

- a) Facilitate and develop a culture of research and entrepreneurship that rewards faculty & students for the development of Intellectual Property Rights.
- b) Encourage students and Faculty (Department wise) to participate in Technology Incubation Hub that promote entrepreneurship.
- c) Develop Business Incubation Center as per the norms of MSMEs.
- d) Conduct training programmes / workshops / events / competitions focused on Innovation and Entrepreneurship.

GOAL 4:

Promoting strong set of professional ethics and Human value amongst students and staff

VIIT strongly believe that the basic human values refer to those values which are at the core of being human. The values which are considered basic inherent values in humans include truth, honesty, loyalty, love, peace, etc. because they bring out the fundamental goodness of human

beings and society at large.

Objective 4.1: Provides a way to understand Professional Ethics and Human Values through Curriculum

Strategies:

- a) Continue the courses on Professional Ethics and Human Values that integrates cross-cutting issues relevant to Professional Ethics and Human values
- b) Continue the courses on Universal Human values and Constitution of India
- c) Encourage more projects on EPICS (Engineering Projects in Community Service program)

Objective 4.2: Collaborate with Non-Governmental Organizations (NGOs) to reach the society more effectively and understand society better.

Strategies:

- a) To collaborate with NGOs and professional agencies to exchange knowledge and solve the some of the problems.
- b) To imbibe the value & ethics amongst all socia-economic group students and staff

Objective 4.2: Offer expert talks and Guest lectures on ethics and Human values strategies:

Strategies:

- a) Invite experts to give talks on Professional ethics and Human values
- b) Organize seminars/Guest Lecture on Professional ethics
- c) Encourage faculty and students to actively participate the events organized on Professional ethics and human values

Objective 4.3: To give opportunity to imbibe ethical practices

Strategies:

- a) Encourage students to do more society-oriented Engineering Projects in Community Service program (EPICS)
- b) To conduct more extension and outreach programmes by student and staff
- c) Encourage students and staff to participate more extension and outreach programs
- d) To promote ethical practices in research and development activities

GOAL 5:

Focus on holistic development of the students through high quality academic programs, training, Co – curricular and extra-curricular activities and community outreach programs.

Objective 5.1: Ensure quality teaching and learning

Strategies:

- a) Along with the use of ICT all class rooms smart boards will be fixed for teaching and learning
- b) Continue to empower the students' personal and professional development through academic and professional advising, peer-to-peer mentoring and counseling.
- c) Strengthening UG&PG curriculum by introducing Add on and value added courses.
- d) Strengthen the quality and impact of the M Tech & MBA programs.

Objective 5.2: To prepare students for successful placements and/or higher studies**Strategies:**

- a) Enhance career guidance and placement activities to attract core companies
- b) Offer skill based and industry relevant training programmes
- c) Train students to get admissions in top ranking institutions in India & abroad.
- d) Take measures including academic support to weak students to improve the student pass percentage by appropriately addressing the related issues
- e) Special focus on National level competitive exams like GATE, Civil Services etc.

Objective 5.3: Develop a culture to serve the society**Strategies:**

- a) Motivate student projects relevant to society and to provide solutions to the regional and local problems.
- b) Encourage students for community service through NSS activities.
- c) Encourage Support for NGOs engaged in social service activities

Objective 5.4 Provide an environment for the holistic development of students**Strategies:**

- a) Enhance extra-curricular, co-curricular activities and Hobby club activities
- b) Enhance department association and professional society activities and ensure mass participation of students
- c) Develop counseling center to address students' psychological and emotional issues Empower the student Activity Centre to discuss common problems of students and ensure their solution.
- d) Strengthening grievance redressal mechanism to address grievances.

GOAL 6:

Maintain facilities and infrastructure; governance and administration that support the achievement of the college's Vision, Mission and Values

Objective 6.1: Achieve excellence in governance and administration through Transparency, accountability, quality and trust

Strategies:

- a) Establish well defined rules, policies and simple procedures.
- b) Decentralization of powers and all-inclusive well defined organisational charts
- c) Provide financial powers to departments and manage its utilisation with accountability and transparency
- d) Celebrate and reward excellence in innovation, leadership and initiative.
- e) Streamline the process of budgeting and financial auditing.

Objective 6.2 : Develop world class infrastructural facilities for undergraduate and postgraduate education, and research**Strategies:**

- a) Develop a master plan that addresses the need for the present and the future.
- b) A full-fledged maintenance cell to undertake the maintenance of infrastructure and other facilities.
- c) Continuous up-gradation of laboratory/workshop requirements on par with reputed National / International institutions
- d) Improve library facilities- print and digital resources, both at central and department libraries. Establish a full fledged Health care centre.
- e) Enhance facilities for sports, fine arts and recreation, with time extension beyond regular working hours

GOAL7:**Working towards sustainable goals****Objective 7.1: Providing quality education Strategies**

Institute thriving its best to provide quality education to all the students in the form of innovative academic curriculum, quality training for better placements and involving the student's latest technologies in the form of projects, internships etc.

Objective 7.2: Gender equality:**Strategies:**

The institute is continuing to take the following measures to have gender equality in the campus.

1. Appointing lady faculties in administrative Posts.
2. Having an effective Women protection cell on campus
3. Fee concession proposal under consideration to encourage the girl students to take admission

GOAL8: Implementation of IQAC to the possible extent

Objective 8.1: Implementation of Indian knowledge system Strategies:

1. VIIT as realized the importance of imparting Indian knowledge system among the faculty and students. As it is known as Indian knowledge system is a source of virtue that shows way to humanity to leave a productive and sustainable life.
2. A 30-hour course is designed to educate both faculty and students.

STEPS for Effective Implementation and Monitoring:

1. Identify leaders from VIIT Strategic Planning Committee for the six strategic goals who will develop appropriate Targets and assessment plans.
2. Communicate the College Strategic Plan to all Stakeholders in general and Head of Departments (HoDs) in particular.
3. Encourage Heads of Departments to align their Departmental plan with the College Strategic Plan.
4. Collection of true feedback and suggestions from all the stakeholders as it is the culture of the Institute.
5. Half yearly review of implementation of strategic plan by the committee chaired by the college Chairman /Director.
