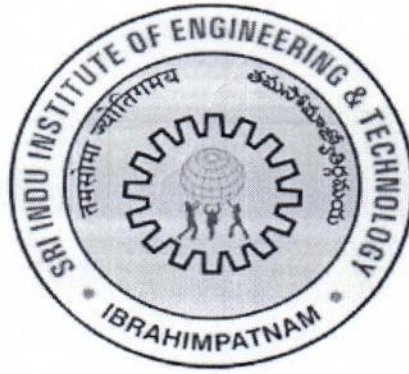



Strategic Plan
for
Sri Indu Institute of Engineering & Technology,
2016-2021



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Preface

The Sri Indu Institute of Engineering and Technology (SIJET) was established in 2006 and located on a scenic campus of 11.14 Acres on the Nagarjuna Sagar highway at a distance of 18 KM from L.B. Nagar. The institute is situated in a lush green location which provides aesthetic appeal and a serene environment conducive for learning. It has achieved a considerable success in meeting its Mission. It Being a new institution, the institute could not participate in TEQIP I in 2008, when the Project was initiated as it could not meet the eligibility criteria. Now that the institution is matured and is moving on the right path, the assistance from World Bank through the sub-component 1.1 (Strengthening institutions to improve learning outcomes and employability of graduates) as indicated in Programme Implementation Plan of Government of India (obtained through the website of National Project Implementation Unit), is being sought.

The institution has already prepared a Strategic Plan based on the SWOC analysis and is ready to implement the provisions of the project. The deliverables form part of the Strategic Plan along with detailed resource planning and sources of procurement of resources. The institution is committed to:

- Based on the SWOC analysis and the Strategic Plan determinate the faculty and students are needed for training.
- Be autonomous within two years.

The SWOC analysis conducted in the institution premises with the involvement of students, faculty, staff, parents, alumni and employers and consequently, the resultant Strategic Plan developed by the institution match some of the provisions of TEQIP III - Component 1.1 as provided in the Programme Implementation Plan.

Within the framework of the Component 1.1 the areas of activities identified by the institution are given below. These activities have emerged as Strategic Plan of the institution under various goals set to be achieved in next five years by the institution and have been included under eight Strategic Goals.

- Improvement in teaching, training, and learning facilities
- Student employability


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- Modernization and strengthening of labs and libraries to increase access to knowledge resources
- Faculty and staff development for improved competence based on SWOC
- Enhanced interaction with industry
- Institutional management capacity enhancement
- Academic support to weak students



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Executive Summary

Sri Indu Institute of Engineering and Technology (SIJET) was established by Global Trend set Educational Society - 2006, Vanastalipuram, Hyderabad under the chairmanship of Sri. R.Venkat Rao. The management is having proven rich experience in the field of education for more than 41 years with an intension and commitment to impart school education and Technical education of highest quality.

It is located on a scenic campus of 11.14 Acres on the Nagarjuna sagar highway at a distance of 18KM from L.B. Nagar, Hyderabad. The institute is situated in a lush green location which provides aesthetic appeal and a serene environment conducive for learning.

The Institution has been commenced with initial 4 courses of ECE, CSE, IT & EEE and subsequently over 12 years of time the other branches MECHANICAL, CIVIL and also P.G. Courses like MBA & M.TECH. – CSE, Computer Science, Embedded Systems, Thermal Engineering, Power Electronics have been added. At present the institute is providing UG programmes of CSE, ECE, CIVIL, Cyber Security, IOT, AI & ML to about 2400 students on the campus. The institute has been approved by AICTE, New Delhi, and Permanently affiliated to JNTU, Hyderabad.

The institute has participated in Golden Education Fair sponsored by APEX Pvt ltd and TNews of Telangana. The institution is endowed with state-of the-art infrastructure facilities including Academic Buildings, Library, All Modern Laboratories, Sports facilities, Canteen as per AICTE & JNTU norms.

Campus Placement: Our College is striving for 100% Placements for our Students. A full-fledged training and placement cell has been established in the college which will supervise and endeavor for conducting campus interviews for the Final Year Students, to the conduct of Industry related training programmes – Viz., like Communication Skills, Technical Training, Mock Interviews, attitude and group discussions, Personality Development. More than 314 Students were placed from B.Tech, MCA, MBA in various companies like Infosys, Accenture, Wipro, HDFC Bank, DELL, TCS, Amdocs, Byjus etc., Minimum and Maximum pay packages 1.4 Lakhs to 10 Lakhs.



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Discipline : The Hallmark of this college is discipline which underlies in all the aspects of the college and which is solely responsible in making the college ragging-free campus. The college plies buses covering all important areas of the twin cities for students.

Achievements : Our college Civil department student has won 1st prize in the Hackthon from the region as evaluated by JNTU Hyderabad based on its performance. The college has received ragging-free campus facilitation given by Police Commissioner Mr. Mahesh Bhagavath. One of our students secured all India Rank in GATE. The institute is organizing Guest Lectures from the renowned industries, Technical festivals and Cultural festivals. Many of our faculty members published their papers and articles in National & International Journals and Magazines.

Strategic plan is based on SWOC analysis and alignment of various visions including affiliation of the university. SWOC analysis was carried out in which 345 stakeholders participated including industrialists, alumni, teaching and supporting staff. The exercise of SWOC analysis, mandate impacting the college and alignment of visions resulted in 8 objectives which are as follows

Goal- 1	To obtain desired Autonomy and create effective institutional management structures.
Goal- 2	To support weak students (a) at entry level (b) SC/ST/OBC/Economically Backward/minorities throughout 4 years of study.
Goal- 3	To improve Teaching, Training and Learning processes that best reflect the current and future requirements of engineering profession at UG level.
Goal- 4	To create Research and Innovation Culture at UG level and enhance activities related to R&D, consultancy, innovation and academic pursuits.
Goal- 5	To improve Faculty and staff development for improved competence based on SWOC of the institute.
Goal- 6	To enhance Industry Institute and Alumni interaction.
Goal- 7	To introduce academic and non-academic reforms.
Goal -8	To establish Entrepreneurship & Information Processing Cell and Incubation Center Cell which will harbor for budding entrepreneurs?


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SWOC ANALYSIS

Institutional Strengths

- The Management is committed to bringing high levels of quality in every aspect of institution.
- Highly qualified faculty with experience and expertise.
- Good team work of the faculty and staff.
- Enrichment of Curriculum through value added courses beyond the syllabus.
- Infrastructure which includes laboratories, ICT classrooms, sports and games.
- Provides Industry oriented Training programs for student community.
- Focus is laid on R&D activities related to publishing the research papers.
- Recognized by UGC under section 2(f) of UGC act 1956..
- Students get benefited through the participation of curricular as well as Co-curricular activities.
- The MOUs with renowned industrial and research organizations.

Institutional Weakness

- Cutting edge Research infrastructure.
- Inflexibility of academic structure and curriculum.
- Being a self financed institution the government funding is conservative.
- Industrial Consultancy.


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Institutional Opportunity

- To compare with best Institutions in Hyderabad.
- To attain funding projects from AICTE, UGC, RCI, DRDL, DST etc.
- To develop collaborative programs with industry and R&D organizations.
- The Institution is privileged to apply for the UGC Autonomous status based on the results of NAAC.
- To train students in PSUs like ECIL, BEL, HAL, BHEL, DRDO etc.
- To bring campus drives from reputed software and core companies like Microsoft, Google, TCS, Wipro, L&T, Reliance Industries etc.

Institutional Challenge

- Development of curriculum.
- Competing with already established institutes in surrounding areas.
- Research funding from government and private agencies.
- Modernizing labs with advances in Technology and Industry growth.
- Attracting top rank students for admissions.
- Involvement of Alumni.


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Proposed Strategic Plan

Strategies to achieve Vision & Mission:

- Strategy#1: To establish better academic practices and procedures.
- Strategy#2: To be a good quality students and competent faculty.
- Strategy#3: To produce technically competent and ethically strong graduates.
- Strategy#4: To encourage Research & Consultancy.
- Strategy#5: To develop a smart campus.

Strategy#1: To establish better academic practices and procedures.


- Improving course delivery to meet learning and assessment levels of Bloom's Taxonomy.
- Implementation of Outcome Based Education (OBE).
- Introduction of descriptive Knowledge in Full Semester.
- MoUs with industries and research institutions for Consultancy, Research and Faculty training.
- Self and Collaborative Learning Initiatives are supported to do Online certification courses, internships and Peer Group Learning.

Strategy#2: To be a good quality students and competent faculty.

TASKS :

Students :

- A positive attitude towards the study
- An ability to think and work independently


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- Increasing the “Branding”.
- Informative Brochure
- Establishment of “Media Cell”

Faculty :

- Recruitment of competent faculty from the institutions of repute.
- A well structured appraisal system to regulate the faculty.

Other Stakeholders :

- Setting up of IQAC to review & monitor activities of the campus.
- Obtaining NAAC accreditation.
- Obtaining NBA accreditation.

Strategy#3: To produce technically competent and ethically strong graduates.

TASKS :

- Strengthening of club activities.
- Introduction of Skill Development Courses from 2nd year onwards.
- Introduction of courses on life skills, structured co-curricular and extra-curricular activities.
- Encouraging students to participate in Games, Sports and cultural activities.
- Introduction of courses to promote entrepreneurial skills.
- Introduction of Technical Skills training during 3rd year.
- Encouraging participation of students in voluntary and extension activities.

Strategy#4: To encourage Research & Consultancy.

TASKS :


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- Monitoring the progress of the faculty pursuing Doctoral programme.
- Training programmes on writing research papers.
- Awareness programmes on funding agencies.
- Encouraging faculty to publish papers.
- Motivate the faculty with Ph.D to submit project proposals for funding.
- Financial support for research publications.
- Establishing Centres of Excellence with industry collaboration.

Strategy#5: To develop a smart campus.

TASKS:

- Provision of Wi-Fi Hotspots.
- Desktop facility for faculty.
- Establishment of Campus Surveillance System.
- Introduction of Energy conservation systems


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