SELF STUDY REPORT

Executive Summary

Introduction:

Sri Indu College of Engineering and Technology sponsored by the New Loyola Model Education Society, Vanasthalipuram was established in the year 2001. The college commenced its operations with an annual intake of 240 in 4 branches of Engineering (Electronics and Communications Engineering, Computer Science and Engineering, Electrical and Electronics Engineering, and Information Technology). The College has gradually increased its annual intake as on date to UG - B.Tech. - 960 Students & PG - M.Tech. & MBA - 132 Students for the Academic Year 2017-18. It had obtained NBA Accreditation two Times & Extension for Third Time is in the Process. The College has Obtained an Autonomous Status in the Year 2012 under JNTUH and subsequently the UGC has granted Autonomous Status for further Six Years.

Vision:

To evolve into a center of excellence in Science and Technology through creative and innovative practices in teaching & learning, towards promotion of academic achievement & research excellence to produce globally accepted, competitive and world class professionals who are psychologically strong and emotionally balanced imbibed with social consciousness and ethical values.

Mission:

To provide high quality academic programmes, training activities, research facilities and opportunities supported by continuous industry – institute interaction aimed at promoting employability, entrepreneurship, leadership and research aptitude among students and contribute to the economic and technological development of the region, state and Nation.

SWOC

Institutional Strength :

Our Strengths

- **UGC conferred Autonomous status to the college from 2014-15 AY.**
- **Eligible programs are Accredited Three times by NBA**

- **Included under 2(f) & 12 (B) of UGC.**
- **33,360 sq.m. built up area.**
- **Communication Skills Lab with high end systems and software.**
- **Central Library with 6,486 Titles & 36,208 Volumes and subscription for National and International journals. Digital Library.**
- **About 988 latest PCs with UPS in use across the campus.**
- **100 Mbps Internet with Wi Fi facility.**
- **Exclusive Girls Hostel with Computing and Internet facilities.**
- **College has MOU's with various Industries**
- **Skill development center in association with Govt. of Telangana and TASK.**
- **Participated IN TEQIP – PHASE II UNDER SUB COMPONENT 1.1**
- **Mr. Ch. Shekar bearing Roll No. – 11D41A0320 Got Gold Medal in Mechanical in JNTU 2016-17.**
- **Ms. Tripada bearing   Roll No. – 11D41A1742 Got Gold Medal in ETM in JNTU 2016-17.**
- **The college has signed MOU with University of Bridgeport, USA & iCarnegie, USA for higher studies**
- **The college has a regular practice of appointing a faculty member as a Mentor for every Class**
- **Spacious Infrastructure**
- **Good Experienced Faculty**
- **Good placement as priority action**
- **Pollution free learning environment - modern day Engineering and Technology GURUKUL**
- **Student discipline is good**
- **Supportive & Cooperative management**
- **Laboratories are Adequately equipped - as per current syllabus**
- **Management is financially strong**
- **Well equipped Library**

Institutional Weakness :

- R&D is not satisfactory and is to be improved.
- Less number of publications by faculty
- Insignificant Internal Revenue Generation (IRG)
- Latest emerging areas should be included in the syllabus
- Industry Institute interaction is less
- Support staff and technical non teaching staff needs training

Institutional Opportunity :

Institutional Opportunity :

- Tie up with foreign Universities
- Additional Courses in PG, PhD and Medical could be started as per state industrial policy
- Being close to industries in Hyderabad, projects should be obtained
- Skill based programmes for community should be offered
- Encash TEQIP II participation opportunity.
- Use industry for offering tailor made continuing education programmes
- Obtain sponsored research and consultancy from industry and generate revenue
- Training hub for industries CEP (Continuing Education Program).

Institutional Challenge :

Institutional Challenge :

- Mushrooming growth of engineering colleges in the city will increase competition in attracting good faculty and students
- Foreign universities' entry in the technical education sector
- Non availability of highly qualified faculty
- Current political scenario in the state
- Economic recession
- Multiple governmental controls

Criteria wise Summary

Curricular Aspects :

Curricular Aspects:

Design and Development of the Curriculum

The college is guided by its strategic plan concentrating on teaching-learning and research-consultancy activities in three areas: Technology, Service and Social Sectors. These have been chosen to ensure: ample academic flexibility, the employability of our graduates, catering to the needs of the knowledge economy, providing the capacity to impact and transform society, and promoting values and ethics.

Feedback Mechanism:

The college regularly collects feed-back on its Courses of Study and the syllabi from various stakeholders:

1. The Governing Body and the Board of Management evaluate the roll-out and acceptance or otherwise of these academic programmers.

2. The faculty and experts put together the Course Structures, the detailed syllabi and objectives for every course of study. Twice a year, they review the syllabi, propose revision to the Academic Council, and notify the students accordingly.
3. Each student is given the Handbook containing the detailed syllabi of every course of study, their objectives and evaluation patterns. The student feedback is taken off line twice a year.
4. Course wise regular student feedback is collected on teaching and learning and is communicated to the respective faculty members so that they assess themselves to improve and contribute to teaching learning process in a positive way.

Field trips and internships enrich intramural learning with life situations and industrial exposure. It also ensures the implementation of the Choice Based Credit System (CBCS) and Elective Course System including options for credits from On-Line Courses.

Teaching-learning and Evaluation :

Teaching-learning and Evaluation:

The Teaching-Learning-Evaluation process in the college is given the meticulous attention as indicated below:

Preparing Clear Course Plans/Course Schedules: There are prepared by the faculty and are made available to the students of the college through ERP.

Academic Calendar and the detailed Syllabus and Regulations: published annually – these contain the curriculum, the method of teaching and evaluation, and the plans for co-curricular and extra-curricular activities, seminars, workshops, conferences, training programs, etc.

Use of e-resources and ICT: Large number of classrooms and laboratory is having LCD projectors and access to the campus intranet giving access to the repository of lectures by experts.

Encouragement of Cooperative learning through projects, presentations and group work.

Conducting Orientation programmes for the first-year students familiarizes them with the opportunities available at the college and its expectations from them.

Internal assessment: 50% for it motivates the students to study continuously.

Student Feedback is collected on teaching and learning and is communicated by the Director to the respective faculty members.

Faculty development programmes targeting the personal and professional growth of the faculty are Faculty development programmes organized every semester.

Providing Remedial Courses in language and communication skills are provided to students from telugu medium.

Automation of the examination processes and timely declaration of results: Results have always been published within a month of the close of the examinations. 100% automation of the examination division, with an approved set of regulations and operating procedures, is in place.

Research, Innovations and Extension :

Research, Innovations and Extension :

Research Journals and Publications: Most of college Journals are published in reputed journals, some of them are UGC approved. There is 1 publication per 12 faculty over the last 5 years. The h index of the college period is satisfactory from Scopus and Web of Science.

Centre of Excellence: Centre of Excellence in innovation and systems laboratory to create a research environment and culture by promoting research activities such as research projects, publications, consultancy and training.

Green Research Methods in Life Sciences are applied in research relating to fermentation, Green synthesis, analysis and biological studies of novel hybrids.

Professional Development Allowance Fund and Fee Waivers motivate the faculty to pursue research and participate in the administrative work.

A BOARD for Research, Innovation and Consultancy support research and innovation, protect intellectual property rights, promote filing of patents and advocate consultancy by experts.

Mandatory Major Projects: All final year students have to complete a credited major project.

A Consultancy Policy facilitates projects with various institutes.

Incubation Centre has incubated several projects by the engineering students.

Extension Activities: The college has NSS unit through which we adopt nearby villages and participate in clean and green programmes and organize blood donation camps.

Collaborations 20 MoU s with institutions of national, importance and other colleges, industries, corporate houses institutions/industries for internship, sharing of research facilities

Infrastructure and Learning Resources :

Infrastructure and Learning Resources :

Physical Infrastructure: With a campus area of 35.23 Acers and built up area of 28,583 Square Metres the college has an impressive array of facilities, classrooms, and laboratories. Put together, the campuses have ample provision for academic and administrative areas, student residences, recreational and sports facilities, utilities and services, plantations and orchards, parks and quiet corners, cycle paths and jogging trails, Auditorium, several performance areas and a health centre.

Classrooms and Labs: In all the college has 45 classrooms 40 laboratories and 05 seminar halls.

Internet and ICT resources: All administrative offices of the college are computerized and the offices have LAN and WiFi connectivity. The internet capability of the college includes Global Netlinks online 64 Mbps leased line with several servers for internet and intranet, and also having 10 LCD class rooms.

ERP and Intranet Facilities: All aspects of college administration are computerized

Library Resources: The libraries of the campus are virtually centralized and offer access to 56,653 books and thousands of e-Journals and reference books.

Web OPAC makes all subscribed databases, consortium materials, E-resources, and in-house publications accessible on campus and remotely.

Maintenance of Campus Infrastructure: The college is highly appreciated for the sheer beauty and cleanliness of its campuses with two turf wicket cricket grounds, and the sense of ownership and commitment of its maintenance staff.

Development with Eco-Consciousness and Sustainability is resulting in a truly Green Campus.

Student Support and Progression :

Student Support and Progression:

A comprehensive Care System, designed to provide a 'holding environment', provides for the holistic development of the students.

Multi-pronged Capability Enhancement and Development Schemes include Individual Mentoring, Student development programmes, and programmes designed to learn to live and work together with achieving excellence in personal and academic areas.

Student activity clubs create interest in both technical and non-technical activities. and talent promotion.

Career Guidance Cell create awareness on career opportunities in emerging fields. Coaching classes in competitive exam such as GATE,CAT, UPSC are also organized by the cell.

Training and Placement Cell provides training in aptitude, technical and personal competencies and facilitates job placements.

Entrepreneurship Development and Incubation: The institute has ED Cell and Incubation centre on the campus to train the students to become good entrepreneurs.

Continuing education using ICT: The college has been chosen a Remote Centres for Spoken Tutorials, NPTEL online courses and certification, MOOC courses are also arranged.

Counselling services are available for students to address the pressures of family expectations, personal expectations, academic pressure, social pressure, psychological adjustments and identity formation.

College Associations: comprising of representatives from Administration, Faculty and Students nurture a sense of leadership and ownership among students.

Health Care Unit: campus infirmaries, annual medical camps, health services supported by "Project Child", Yoga Clinics etc take care of health issues on campus.

Grievance Redressal Mechanism is functional right from inception.

Scholarships Scheme: The college provides merit-cum-means scholarships out of a dedicated corpus fund.

Governance, Leadership and Management :

Governance, Leadership and Management:

Conceptualization of the college took place over 36 months of consultations on vision and mission, choice of study programmes, human resource requirements, networking, fund raising and sustainability.

Consultancy in Strategic Planning:

Major Decision Making Bodies: Governing Body, the Board of Management, and the Academic Council meetings and departmental board of studies meetings.

Organizational Structure is defined in an Organogram.

Decentralisation of Decision Making is done at every level: Controller of Examinations, HODs, principals Directors, the Registrar and the Vice Chancellor.

Human Resource Management is under Director with clear service rules, job descriptions and an employee manual.

Process Mapping and Standard Operating Procedures for all systems in the college ensure excellence in every field.

Smaller Structures of Governance, namely Committees for various purposes, are built in to ensure involvement and participation.

Faculty Empowerment Strategies include Staff Development Programmes, Professional Development Allowance, Induction and Orientation Programmes, Performance Appraisal and Feedback, Refresher Courses.

Management of Financial Resources: a Finance Committee for budgets and internal audits, external auditors for final audit, an investment firm to manage the investment of any surplus fund.

The Role of the IQAC: The IQAC is involved in planning, auditing performance, vetting strategic issues and in maintaining quality parameters.

Accessibility of the Leadership afforded to everyone in the college to interact with all officials is an outstanding characteristic of the college.

Institutional Values and Best Practices :

Institutional Values and Best Practices:

Institutional Values: This is an area of that is deeply ingrained in the foundational principles of the college and are expressed in all related parameters: gender sensitivity and equity, eco-consciousness, management of water resources and waste disposal, promotion of green practices, use of alternate energy, facilities for the differently abele, promotion of human values and professional ethics, patriotism and a sense of pride in the nation etc.

Best Practices: college takes pride in

1. **Creation and maintenance of an Eco-friendly Campus:**

The college has developed a multi-pronged approach in the following   areas:

Established variegated plantations in teak, neem, coconut, lemon, and Turmeric .

Adopted scientific water harvesting by creating tanks and lakes to ensure replenishment of the ground water levels.

Adopted an effective waste collection and disposal system.

Landscaped the campus to control storm water drainage and soil erosion.

2. Social Commitment as a way of life: Social Commitment runs in the genes of the college and its sponsoring society. This has led to the establishment of a 'Centre for Development Studies and Initiatives' by promoting community led improvement initiatives in six thematic areas to bring about progress in nearby villages neighboring the college.

The thematic areas are:

- Livelihood and food security
- Promotion of Education
- Promotion of Community health
- Promotion of self-governance systems
- Promotion of social security
- Community organization

Profile

BASIC INFORMATION

Name and Address of the College	
Name	SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY
Address	sheriguda Village, Ibrahimpatnam Mandal, Ranga Reddy District
City	Hyderabad
State	Telangana
Pin	501510
Website	www.sriindugroup.org

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Principal	Dr. P. Mallesham	040-24242592	9347363999	040-24020175	induprincipal@gmail.com

| Associate Professor | Kamma Ashok Babu | 08414-224166 | 9440209527 | 08414-224177 | kammaashok@yahoo.co.in |

Status of the Institution

Institution Status	Private

Type of Institution

By Gender	Co-education
By Shift	Regular

Recognized Minority institution

If it is a recognized minroity institution	No

Establishment Details

Date of Establishment, Prior to the Grant of 'Autonomy'	05-09-2001
Date of grant of 'Autonomy' to the College by UGC	19-06-2014

University to which the college is affiliated

State	University name	Document
Telangana	Jawaharlal Nehru Technological University	[View Document](#)

Details of UGC recognition

Under Section	Date
2f of UGC	17-01-2014

12B of UGC	17-01-2014

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	13-03-2017	12	

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location *	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	sheriguda Village, Ibrahimpatnam Mandal, Ranga Reddy District	Urban	10.24	32080

ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BTech,Ece	48	Inter	English	240	233
UG	BTech,Cse	48	inter	English	240	239
UG	BTech,Mechanical Engg	48	inter	English	180	126
UG	BTech,Civil Engg	48	inter	English	120	115

UG	BTech,Eee	48	inter	English	120	84
UG	BTech,It	48	inter	English	60	60
PG	MBA,Mba	24	UG	English	60	27
PG	Mtech,Mtech Cse	24	UG	English	18	12
PG	Mtech,Mtech Cs	24	UG	English	18	0

Position Details of Faculty & Staff in the College

Teaching Faculty

	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0				0				0
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit				0				0				0
Sanctioned by the Management/Society or Other Authorized Bodies				22				59				200
Recruited	21	1	0	22	43	16	0	59	114	86	0	200
Yet to Recruit				0				0				0

Non-Teaching Staff

	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				40
Recruited	25	15	0	40
Yet to Recruit				0

Technical Staff

	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				35
Recruited	28	7	0	35
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	21	1	0	0	0	0	0	0	0	22
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	42	18	0	112	86	0	258

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total

		0	0	0	0	0	0	0	0	0
D.sc/D.Litt.		0	0	0	0	0	0	0	0	0
Ph.D.		0	0	0	0	0	0	0	0	0
M.Phil.		0	0	0	0	0	0	0	0	0
PG		0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties

Number of Visiting/Guest Faculty engaged with the college?	Male	Female	Others	Total
	0	0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	754	4	0	0	758
	Female	267	0	0	0	267
	Others	0	0	0	0	0
PG	Male	20	0	0	0	20
	Female	18	1	0	0	19
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	71	96	76	108
	Female	15	21	23	20
	Others	0	0	0	0
ST	Male	39	69	61	73
	Female	6	17	13	8
	Others	0	0	0	0
OBC	Male	294	387	360	339

	Female	100	117	105	124
	Others	0	0	0	0
General	Male	210	206	284	226
	Female	122	213	126	139
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		857	1126	1048	1037

EVALUATIVE REPORT OF THE DEPARTMENTS

Department Name	Upload Report
Civil Engg	View Document
Cse	View Document
Ece	View Document
Eee	View Document
It	View Document
Mba	View Document
Mechanical Engg	View Document
Mtech Cs	View Document
Mtech Cse	View Document

QIF

1.Curricular Aspects
1.1 Curriculum Design and Development
1.1.1 Curricula developed /adopted have relevance to the local/ national / regional/global developmental needs with learning objectives including program outcomes, program specific outcomes and course outcomes of all the program offered by the Institution

Answer:

The curricula is designed and developed by considering the needs of industry. The curricula is designed for promoting employability, entrepreneurship, leadership and research aptitude among students and contribute to the economic and technological development of the region, state and Nation.

As per the directions of UGC and the Parent University, JNTUH from the Academic Year 2016-17, SICET has been adopting Choice Based Credit System (CBCS) in the Autonomous College.

All the programs are designed based on the Graduate attributes (GAs) recommended by NBA. The objectives of the programmes are well defined. The curricula is prepared by defining course objectives and outcomes. The program outcomes and programme specific outcomes also defined and displayed in each department of the institution along with vision and mission statements and published in college website.

The main objective of the institution is to transform the students into well meaning citizens through the committed pattern of instructions based on carefully prepared and well designed curricular aspects. The changing needs of the time are the basis while building a rich corpus of talent. Hence, the main objective of the Institution is to transform the students into well meaning citizens through well prepared socially committed patterns of instructors.

Development of Curriculum: The college meticulously develops good curriculum by conducting protracted meetings with the staff members of various department heads to develop various strategies for effective implementation of the curriculum. Teachers are encouraged beforehand to impart the curriculum through innovative teaching methods such as presentations, assignments, discussions, workshops, seminars, industrial visits, computer education apart from regular/traditional teaching methods.

Thereafter, the staff members of various teaching departments conduct their internal meetings and develop academic plans for the coming academic year. Keeping in view, the no. of working days available, the syllabus is divided into units which are to be finished by a given deadline. Each department of the college follows the academic calendar issued by the affiliating university.

The principal / Dean are members of board of studies and our college supports the development of the curriculum through suggestions offered by our principal during the BOS meetings. Though the college faces a few constraints to modify the syllabus on its own, yet the affiliating university has a system in place to get recommendations from its affiliated colleges through Board of Studies.

Feedback on Curriculum : is also collected through the Alumni Survey, employer survey and stake holders feedback which is consider while designing the curriculum by the BOS.

Industry: The college has set up a Training and Placement cell which maintains professional relations with the representatives of industry. The students of various departments of the college are taken for industrial visits from time to time to keep them abreast of the latest developments in the market.

Research Bodies: To keep the research temper alive in the campus, research Scholars from various fields are invited to the college to motivate the students to take up research projects in their further studies. The faculty members of the college are also motivated to take up research projects initiated by the affiliating university or the UGC. Faculty members on their own also keep on interacting with various research bodies and participate in various research projects. Some of the faculty members being a member of the professional bodies like Aeronautical Society of India, ISTE, IETE, SAEINDIA, Computer Society of India(CSI), IEEE, HMA attend the conferences which in turn helps them in effective operation of curriculum.

The following aspects are ensured through curriculum design and development

- Employability
- Innovation
- Research

Curriculum is designed with the following GAs
1. Engineering knowledge
2. Problem analysis
3. Design/development of solutions
4. Conduct investigations of complex problems
5. Modern tool usage
6. The engineer and society
7. Environment and sustainability
8. Ethics
9. Individual and team work
10. Communication
11. Project management and finance
12. Life-long learning

SICET ensures that the curriculum developed addresses the needs of the society and have relevance to the regional / national development needs.

File Description	Document
Any additional information	View Document

1.1.2 Percentage of programs where syllabus revision was carried out during the last five years
Answer: 100

1.1.2.1 How many programs were revised out of total number of programs offered during the last five years

Answer: 2

File Description	Document
Details of program syllabus revision in last 5 years	View Document
Minutes of relevant Academic Council/BOS meeting	View Document

1.1.3 Average percentage of courses having focus on employability/ entrepreneurship/ skill development
Answer: 100

1.1.3.1 Number of courses having focus on employability/ entrepreneurship/ skill development year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
9	11	19	18	20

File Description	Document
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View Document
Program/ Curriculum/ Syllabus of the courses	View Document
Average percentage of courses having focus on employability/ entrepreneurship	View Document
MoU's with relevant organizations for these courses, if any	View Document

1.2 Academic Flexibility
1.2.1 Percentage of new courses introduced of the total number of courses across all programs offered during the last five years

Answer: 25

1.2.1.1 How many new courses are introduced within the last five years

Answer: 5

File Description	Document
Institutional data in prescribed format	View Document
Minutes of relevant Academic Council/BOS meetings	View Document

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented

Answer: 100

1.2.2.1 Number of programs in which CBCS/ Elective course system implemented.

Answer: 9

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

1.3 Curriculum Enrichment

1.3.1 Institution integrates cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum

Answer:

Response :

Institution Integrates cross cutting issues relevant to Gender, Climate change, human rights and ICT :

The cross cutting issues like Gender, Climate Change, Environment Education, Human Rights, ICT etc, find an ample space when it comes to applying them positively into the curriculum. The college, at its own level and with the assistance from University and other institutions like NITs & IITs etc. make arrangements for workshops and conferences of national level where in the experts from above mentioned fields are invited to share and deliver their experiences and knowledge.

The college regularly organizes state level seminars on women empowerment. The Management too has supported the cause of the women education thereby offering free books to the girl students. The subject of 'Environmental Studies' is a part of the curriculum. It is compulsory for all the students, irrespective of any stream, to clear the subject of environment.

The college supplements the university's Curriculum by imparting special courses like Personality Development, Campus Recruitment Training to succeed in interviews conducted by various prestigious companies. At UG level, the college is following the University instructions; by offering a compulsory subject in the name of 'Environmental Studies'. This subject has been designed and developed by the great academicians from eminent Institutes. The syllabus of this subject is framed in such a way by the university that ecology and environment protection and preservation, value orientation, global and national demands have made their entry significantly in the course of studies.

Value added courses for enrichment of the programmes offered by the Institute development: The college also offers skill development, personality development and communication skills improvement programmes as value added courses to students. The students are also exposed to Hardware and Networking Training to enhance their employability.

- **moral and ethical values**
- **employable and life skills**
- **better career options**

- **community orientation**
- **SAP**
- **GTP**

The curriculum including the pedagogy is designed integrating these cross cutting issues pertaining to gender, environment and sustainability Human values and professional ethics in varying disciplines in all the departments..
All the branches have a course in Communication skills (using English), having both theory and practice in the first and second semesters.

Topic	Name of the Program	Name of the Subject
Gender	B.Tech All courses	All courses are gender neutral.
Environment and Sustainability	B.Tech All courses	Environmental Studies
	B.Tech All courses	Human Values and Professional Ethics
Human Values and Professional Ethics	B.Tech Mechanical Engg.	Industrial Management, Work study, Estimation and Costing
	B.Tech Civil Engg.	Estimation and Costing

File Description	Document
Upload the list and description of the courses which address the Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum	View Document

1.3.2 Number of value-added courses imparting transferable and life skills offered during the last five years

Answer: 28

1.3.2.1 How many new value-added courses are added within the last 5 years

Answer: 28

File Description	Document
List of value added courses	View Document
Brochure or any other document relating to value added courses	View Document

1.3.3 Average percentage of students enrolled in the courses under 1.3.2 above

Answer: 27.24

1.3.3.1 Number of students enrolled in value-added courses imparting transferable and life skills offered year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
868	860	884	759	796

File Description	Document
List of students enrolled	View Document

1.3.4 Percentage of students undertaking field projects / internships

Answer: 55.93

1.3.4.1 Number of students undertaking field projects or internships

Answer: 2184

File Description	Document
List of programs and number of students undertaking field projects / internships	View Document

1.4 Feedback System

1.4.1 Structured feedback received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni 5) Parents for design and review of syllabus Semester wise /year wise

Answer: A. Any 4 of above

File Description	Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View Document

1.4.2 Feedback processes of the institution may be classified as follows:

Answer: B. Feedback collected, analysed and action has been taken

File Description	Document

Any additional information	[View Document](#)

2.Teaching-learning and Evaluation
2.1 Student Enrollment and Profile
2.1.1 Average percentage of students from other States and Countries during the last five years

Answer: 0.19

2.1.1.1 Number of students from other states and countries year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
3	2	12	11	1

File Description	Document
Institutional data in prescribed format	[View Document](#)
List of students (other states and countries)	[View Document](#)

2.1.2 Demand Ratio(Average of last five years)

Answer: 1.52

2.1.2.1 Number of seats available year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
303	303	425	373	373

File Description	Document
Demand Ratio (Average of Last five years)	[View Document](#)

2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Answer: 57.03

2.1.3.1 Number of actual students admitted from the reserved categories year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
403	403	565	496	496

File Description	Document
Average percentage of seats filled against seats reserved	[View Document](#)

2.2 Catering to Student Diversity
2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners

Answer:

Advanced Learners :

a. Identification Processes : There is a streamlined computerized mechanism for continuous monitoring and evaluation of the students. This system helps to identify advanced learners. The advanced learners are identified based on

- The performance in internal exams
- The performance in surprise quizzes
- Regular attendance to the classes
- The performance in lab and monthly tests.

b. Strategies adopted for facilitating advanced learners:

Advanced learners are continuously encouraged to strive for higher goals by providing them additional inputs for better career planning and growth like:

1. Encouraging the students to participate in seminar, Workshops and Conferences.

1. Offering special coaching for GATE, GRE and IES exams.
2. Assigning mini projects, industrial visits & Tours to inculcate research orientation and practical awareness.
3. Special training to motivate students to present papers in seminars /conferences.
4. Advising to participate in classroom seminars, group discussions, technical quizzes to develop analytical and problem solving abilities in them and thereby, to improve their presentation skills.
5. Motivating to access latest online journals,   reference materials and help them to understand the emerging trends in their field of study Training to use audio visual aids like power point, charts, models etc for effective presentation.

6. Encourage to participate in science expos in order to design and execute working models to give shape to their inherent ideas.

Providing opportunities to develop their creativity by organizing intercollegiate as well as national level cultural, literary, and technical and sports competitions.

Slow Learners :

The College has been conducting a study on incremental Academic growth of the different categories of the students from their performance at the examinations. Academic Performance of the students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc.. is detected by the teachers during their lectures in classrooms. We take marks as important criteria for identifying slow learning students and subjected to various methods of evaluation like vocal responses, sample individual responses and written test after each unit of syllabus. The students who do not seem to cope up with the pace of learning are advised and counseled by the faculty particularly assigned to each of student assisting with some kind of study material and intensive interactive sessions. These students are also given some special classes and also to be motivated by providing some additional learning materials such as textbooks and solved question papers from examinations. We conduct remedial classes for the students after college hours.

SLOW LEARNERS LIST

For the benefit and improvement of our students, ECE Department is conducting classes for the slow learning students

II B.Tech – I Sem. of ECE.

The lists of students subject wise are given below.

Time: 4:00-5:00 PM   Year:20-20

S.NO.	M-III	EDC	SS	PTSP	STLD	EC
1						
2						
3						
4						
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TOT	00	00	00	00	00	00

III B.Tech – I Sem. of ECE.

S.NO.	AC	AWP	CN	LDIC	COOS
1					
2					
3					
4					
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7					
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TOT	00	00	00	00	00	00

IV B.Tech – I Sem. of ECE.

S.NO.	AC	AWP	CN	LDIC	COOS
1					
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28					
TOT	00	00	00	00	00	00

2.2.2 Student - Full time teacher ratio

Answer: 13.61

File Description	Document
Institutional data in prescribed format	View Document

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Answer: 0.13

2.2.3.1 Number of differently abled students on rolls

Answer: 5

File Description	Document
Any other document submitted by the Institution to a Government agency giving this information	View Document
List of students(differently abled)	View Document
Institutional data in prescribed format	View Document

2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Answer:

As we are providing quality education our students are encouraged for technical experimental methods. As we are encouraged to participate technical fest for outside campus, and our college provides various advanced tools to learn so they can built up their career for their future. Recently our students actively participated in our college's **s-hub** ceremony by designing a cluster for communication and implemented a quadquapter for image reorganization. Moreover our students are encouraged to do quality and real time projects in our college itself so that we are providing various advance equipments like 3-D printer, gas cutters, and Advanced electronic devices. And we have a special block for R&D, their they can utilize their innovate ideas in respective fields.

The institution mainly focuses on the students to make them original thinkers. The faculty members motivate the students in such a way to participate in the youth festival and cultural activities to encourage the artistic temper among the students. In the same way, to encourage students

scientific temper, they are involved in the practical sessions and hands on experience in labs. Due to these type of activities the students can think on own and do at themselves better which will be useful for them in their career. To enrich their critical thinking, we will make them to participate in GDs, debates, seminars and JAM which will help them to think and explore new ideas and can get a chance to get the feedback from the experts and eminent professionals in their area of study. Encouraging the students to participate in seminar and conference by providing necessary expenses. Model making and poster presentation and science exhibitions are learning experiences.

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Answer: 97.56

2.3.2.1 Number of teachers using ICT

Answer: 280

File Description	Document
List of teachers (using ICT for teaching)	View Document
Provide link for webpage describing the " LMS/ Academic management system"	View Document

2.3.3 Ratio of students to mentor for academic and stress related issues

Answer: 13.95

2.3.3.1 Number of mentors

Answer: 280

File Description	Document
Year wise list of number of students, full time teachers and mentor/mentee ratio	View Document

2.3.4 Preparation and adherence to Academic Calendar and Teaching plans by the institution

Answer:

Sri Indu College of Engineering & Technology

AN AUTONOMOUS INSTITUTION

Lr.No. SICET/AUTO/DAE/BR-12 & BR-14/Academic Cal./2015   **Dt: 21.05.2015**

Dr.P.MALLESHAM,

Principal,

To,

All the HODs

Sir,

    Sub: SICET (Autonomous) - Academic & Evaluation - Academic Calendar for

        B.Tech – 2nd, 3rd & 4th Year - For the academic year 2015-16 – Reg.

                     ***

The approved Academic Calendar for **B.Tech – 2nd , 3rd & 4th Year** for the academic year 2015-16 is given below:

B.Tech 2nd Year for (2014-15 Batch) & 3rd /4th Year (2012-13 & 2013-14 Batches)

Academic Calendar for B.Tech – 2nd , 3rd & 4th Year Students

I Semester

Commencement of class work	01.07.2015 (Wednesday)	
I Spell of Instructions	01.07.2015	26.08.2015 - 8 Weeks
I Mid Examinations for II & IV Year Students	27.08.2015	29.08.2015 - 3 Days
I Mid Examinations for III Year Students	31.08.2015	02.09.2015 - 3 Days
II Spell of Instructions	03.09.2015	28.10.2015 - 8 Weeks
II Mid Examinations for III Year Students	29.10.2015	31.10.2015 - 3 Days
II Mid Examinations for II & IV Year Students	02.11.2015	04.11.2015 - 3 Days

Preparations & Practical Examinations	05.11.2015	12.11.2015 - 1 Week
End Semester Examinations	13.11.2015	27.11.2015 - 2 Weeks
Semester Break	28.11.2015	06.12.2015 - 1 Week
Supplementary Examinations	28.11.2 015	12.12.2015 - 2 Weeks
Commencement of class work of 2nd , 3rd & 4th Year II Semester - 07.12.2015		

II Semester

Commencement of class work	**07.12.2015 (Monday)**	
I Spell of Instructions	07.12.2015	30.01.2016 - 8 Weeks
I Mid Examinations for II & IV Year Students	01.02.2016	03.02.2016 - 3 Days
I Mid Examinations for III Year Students	04.02.2016	06.02.2016 - 3 Days
II Spell of Instructions	08.02.2016	02.04.2016 - 8 Weeks
II Mid Examinations for III Year Students	04.04.2016	06.04.2016 - 3 Days
II Mid Examinations for II & IV Year Students	07.04.2016	11.04.2016 - 4 Days
Preparations & Practical Examinations	12.04.2016	19.04.2016 - 1 Week
End Semester Examinations	20.04.2016	04.05.2016 - 2 Weeks
Supplementary Examinations	05.05.2016	19.05.2016 - 2 Weeks
Summer Break	20.05.2016	30.06.2016 - 6 Weeks
Commencement of class work for the A.Y 2015-16 - 01.07.2016 (Friday)		

** Mid Term Examinations are to be conducted during both forenoon and afternoon sessions and they are to be completed within 3 working days as per the schedule given above.

DEAN   PRINCIPAL

Copy to DAE,

Copy to all the Heads of the Depts.

The Placement Officer with a request to place in the College Website Portal.

Dr.P.MALLESHAM,

Principal,

Lr.No. SICET/DAE/Academic Calendar/2012-13

To,

All the HODs

Sir,

    Sub: SICET (Autonomous) - Academic & Evaluation - Academic Calendar for B.Tech.I Year (Regular) for the academic year 2012-13 – Reg.

<p align="center">*****</p>

The approved Academic Calendar for B.Tech. First Year (Regular) for the academic year 2012-13 is given below:

I Year B.Tech. (Reg) (2012-13)

SNO	EVENT	PERIOD	DURATION
B.Tech I Year I Semester			
1.	Orientation Programme	20.09.2012 & 22.09.2012	3 Days
2.	1ST Spell of Instructions for covering First Two and a half Units	24.09.2012 to 19.11.2012	8 Weeks
3.	I Mid Examinations ** **Timings:** 10.00am To 12.00 Noon(FN) 02.00pm To 04.00 pm (AN)	20.11.2012 to 23.11.2012	4 Days
4.	2nd Spell of Instructions for covering Remaining Two and a half Units	24.11.2012 to 19.01.2013	8 Weeks
5.	II Mid Examinations ** **Timings:** 10.00am To 12.00pm(FN) 02.00pm To 04.00pm(AN)	21.01.2013 to 24.01.2013	4 Days
6.	Preparation & Practical Examinations	25.01.2013 to 01.02.2013	1 Week
7.	I Semester End Examinations(Regular)	04.02.2013 to 15.02.2013	2 Weeks
Commencement of Class-Work for B.Tech I Year- II Semester - 18.02.2013			

** **M**id Term Examinations are to be conducted during both forenoon and afternoon sessions and they are to be completed within 5 working days as per the schedule given above.

Yours faithfully,

Principal

Copy to DAE,

Copy to all the Heads of the Depts.

The Placement Officer with a request to place in the College Website Portal.

Dr.P.MALLESHAM,

Principal,

Lr.No. SICET/DAE/Academic Calendar/2012-13

To

All the HODs

Sir,

Sub: SICET (Autonomous) - Academic & Evaluation - Academic Calendar for B.Tech.I Year (Regular) – II Semester for the academic year 2012-13 – Reg.

*****

The approved Academic Calender for B.Tech. First Year (Regular) for the academic year 2012-13 is given below:

I B.Tech – II Semester(Regular) - (2012-13)

B.Tech I Year II Semester			
1.	1st Spell of Instructions for covering First Two and a half Units	18.02.2013 to 15.04.2013	8 Weeks
2.	I Mid Examinations **	16.04.2013 to 20.04.2013	5 Days

	Timings: 10.30am To 12.00 Noon(FN) 01.00pm To 02.30 pm (AN)		
3.	2nd Spell of Instructions for covering Remaining Two and a half Units	22.04.2013 to 15.06.2013	8 Weeks
4.	II Mid Examinations ** **Timings:** 10.30am To 12.00pm(FN) 01.00pm To 02.30pm(AN)	17.06.2013 to 21.06.2013	5 Days
5.	Preparation & Practical Examinations	22.06.2013 to 30.06.2013	09 DAYS
6.	II Semester End Examinations (Regular) & I B.Tech I Semester Supply Examinations.	01.07.2013 to 13.07.2013	2 Weeks

Semester Break and Summer Holidays 15-07-2013 to 28-07-2013 (2 Weeks)

Commencement of Class-Work for B.Tech II Year- I Semester - 29.07.2013

** **M**id Term Examinations are to be conducted during both forenoon and afternoon sessions and they are to be completed within 5 working days as per the schedule given above.

Yours faithfully,

Principal

Copy to DAE,

Copy to all the Heads of the Depts.

The Placement Officer with a request to place in the College Website Portal.

Dr.P.MALLESHAM,

Principal,

Lr.No. SICET/DAE/Academic Calendar/2013-14

To,

All the HODs

Sir,

      Sub: SICET (Autonomous) - Academic & Evaluation - Academic Calendar for B.Tech.II Year (Regular) for the academic year 2013-14 – Reg.

*****

The approved Academic Calendar for B.Tech II Year (Regular) for the academic year 2013-14 is given below:

II Year B.Tech. (Reg) (2013-14)

I semester

Commencement of class work	29.07.2013		
I Spell of Instructions	29.07.2013	21.09.2013	(8w)
I Mid Examinations	23.09.2013	25.09.2013	(3 days)
II Spell of Instructions	26.09.2013	11.10.2013	(2 w 1day)
Dussehra Holidays	12.10.2013	16.10.2013	(5 days)
Continuation of II Spell of Instructions	17.10.2013	20.11.2013	(5 w)
II Mid Examinations	21.11.2013	23.11.2013	(3 days)
Preparations & Practical Examinations	05.11.2013	30.11.2013	(1w)
End Semester Examinations	02.12.2013	14.12.2013	(2w)
Supplementary Examinations	16.12.2013	28.12..2013	(2w)
Commencement of class work for II Semester for the A. Y. 2013-14	**30.12.2013**		

II Semester

Commencement of class work	30.12.2013		
I Spell of Instructions	30.12.2013	10.01.2014	(2w)

Pongal Holidays	11.01.2014	15.01.2014	(5 days)
Continuation of I Spell of Instructions	16.01.2014	26.02.2014	(6 w)
I Mid Examinations	27.02.2014	01.03.2014	(3days)
II Spell of Instructions	03.03.2014	26.04.2014	(8w)
II Mid Examinations	28.04.2014	30.04.2014	(3 days)
Preparations & Practical Examinations	01.05.2014	07.05.2014	(1w)
End Semester Examinations	08.05.2014	20.05.2014	(2 w)
Supplementary Examinations	21.05.2014	31.05.2014	(2 w)
Summer Vacation	01.06.2014	15.06.2014	(2w)
Commencement of class work for the III Year I Sem A.Y. 2014-15	**16.06.2014**		

Yours faithfully

PRINCIPAL

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The Placement Officer with a request to place in the College Website Portal.

Dr.P.MALLESHAM,

Principal,

Lr.No. SICET/DAE/Academic Calendar/2013-14

To,

All the HODs

Sir,

   Sub: SICET (Autonomous) - Academic & Evaluation - Academic Calendar for B.Tech.II Year I Semester   (Regular) for the academic year 2013-14 – Reg.

*****

The approved Academic Calendar for B.Tech II Yr I Semester (Regular) for the academic year 2013-14 is given below:

II Year B.Tech. (Reg) (2013-14)

I semester

Commencement of class work	29.07.2013	
I Spell of Instructions	29.07.2013	21.09.2013 (8w)
I Mid Examinations	23.09.2013	25.09.2013 (3 days)
II Spell of Instructions	26.09.2013	11.10.2013 (2 w 1day)
Dussehra Holidays	12.10.2013	16.10.2013 (5 days)
Continuation of II Spell of Instructions	17.10.2013	20.11.2013 (5 w)
II Mid Examinations	21.11.2013	23.11.2013 (3 days)
Preparations & Practical Examinations	25.11.2013	30.11.2013 (1w)
End Semester Examinations	02.12.2013	14.12.2013 (2w)
Supplementary Examinations	16.12.2013	28.12..2013 (2w)
Commencement of class work for II Semester for the A. Y. 2013-14	**30.12.2013**	

**Mid Term Examinations are to be conducted during both forenoon and afternoon sessions   and they are to be completed within 3 working days as per the schedule given above.

Yours faithfully

PRINCIPAL

Copy to DAE,

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The Placement Officer with a request to place in the College Website Portal.

Dr.P.MALLESHAM,   **Dt: 16-12-2013**

Principal,

Lr.No. SICET/DAE/Academic Calendar/2013-14

To,

All the HODs

Sir,

      Sub: SICET (Autonomous) - Academic & Evaluation - Academic Calendar for B.Tech.II Year-II Semester (Regular) for the academic year 2013-14 – Reg.

*****

The approved Academic Calendar for B.Tech. Second Year – II Semester (Regular) for the academic year 2013-14 is given below:

II Year B.Tech – II Semester (Reg) (2013-14)

II Semester

Commencement of class work	23.12.2013		
I Spell of Instructions	23.12.2013	10.01.2014	(3w)
Pongal Holidays	11.01.2014	16.01.2014	(6 days)
Continuation of I Spell of Instructions	17.01.2014	22.02.2014	(5w)
I Mid Examinations	24.02.2014	26.02.2014	(3days)

II Spell of Instructions	27.02.2014	26.04.2014	(8w)
II Mid Examinations	28.04.2014	30.04.2014	(3 days)
Preparations & Practical Examinations	01.05.2014	07.05.2014	(1w)
End Semester Examinations	08.05.2014	20.05.2014	(2 w)
Supplementary Examinations	21.05.2014	31.05.2014	(2 w)
Summer Vacation	01.06.2014	15.06.2014	(2w)
Commencement of class work for the 3rd Year I Sem A.Y. 2014-15	**16.06.2014**		

** Mid Term Examinations are to be conducted during both forenoon and afternoon sessions and they are to be completed within 3 working days as per the schedule given above.

Yours faithfully

PRINCIPAL

Copy to DAE,

Copy to all the Heads of the Depts.

The Placement Officer with a request to place in the College Website Portal.

Lr.No. SICET/AUTO/DAE/BR-12/Academic Cal./410/2014-15   Dt: 26.09.2014

Dr.P.MALLESHAM,

Principal,

To,

All the HODs

Sir,

Sub: SICET (Autonomous) - Academic & Evaluation - Academic Calendar for

III B.Tech – I & II Semester for the academic year 2014-15 – Reg.

***

The approved Academic Calendar for **III B.Tech – I & II Semester** for the academic year 2014-15 is given below:

Revised Academic Caldendar for III B.Tech – I & II Semester

Admitted Batch - 2012-13

I Semester

Commencement of class work	16.06.2014		
I Spell of Instructions	16.06.2014	09.08.2014	- 8 Weeks
I Mid Examinations	11.08.2014	13.08.2014	- 3 Days
II Spell of Instructions	14.08.2014	30.09.2014	- 6w/5 days
Dussera Holidays	01.10.2014	05.10.2014	- 5 Days
Continuation of II Spell of instructions	06.10.2014	15.10.2014	- 1w/ 2 days
II Mid Examinations	16.10.2014	18.10.2014	- 3 Days
Preparations & Practical Examinations	20.10.2014	01.11.2014	- 2 Weeks
End Semester Examinations	03.11.2014	15.11.2014	- 2 Weeks
Supplementary Examinations	17.11.2014	29.11.2014	- 2 Weeks
Commencement of class work for the III B.Tech - II Semester - 01.12.2014			

II Semester

Commencement of class work	01.12.2014		
I Spell of Instructions covering First Four Units (Including Pongal Holidays)	01.12.2014	31.01.2015	- 9 Weeks

I Mid Examinations	02.02.2015	04.02.2015 - 3 Days
II Spell of Instructions covering remaining Four Units	05.02.2015	04.04.2015 - 8 Weeks
II Mid Examinations	06.04.2015	08.04.2015 - 3 Days
Preparations & Practical Examinations	09.04.2015	18.04.2015 - 1 Week,2 Days
End Semester Examinations Supplementary Examinations	20.04.2015	04.05.2015 - 2 Weeks
Summer Break/ Mini Project/ Major Project	05.05.2015	30.06.2015 - 8 Weeks

Commencement of class work for IV B.Tech – I Semester – 01.07.2015 (Wednesday)

** Mid Term Examinations are to be conducted during both forenoon and afternoon sessions and they are to be completed within 3 working days as per the schedule given above.

Copy to DAE,   Yours Faithfully

Copy to all the Heads of the Depts.

The Placement Officer with a request to place in the College Website Portal.

PRINCIPAL

TEACHING PLAN

LESSON PLAN   **2015-16/ECE/TLP/SA&D/TLP-6/LP**

Year & Branch   : **IV B. Tech. ECE - A**
Academic Year   : **2015 -16. I Semester**
Name of the Subject : **MICROWAVE ENGINEERING**
Name of the Faculty   : **Ms. B.DEEPIKA RATHOD**
Designation   : **Associate Professor**

Department   **: Electronics & Communication Engineering.**

Text Books:

T – 1   Microwave Devices and Circuits — Samuel V. Liao, Pearson, 3rd Edition, 2003.

T – 2   Microwave Principles — Herbert J. Reich, J.G. Skalnik, P.F. Ordung and H.L. Krauss, CBS   Publishers and Distributors, New Delhi, 2004.

Reference Books:

R – 1   Foundations for Microwave Engineering — R.E. Collin, IEEE Press, John Wiley, 2ndEdition, 2002.

R – 2   Microwave Circuits and Passive Devices — M.L. Sisodia and G.S.Raghuvanshi, Wiley Eastern Ltd.,New Age International Publishers Ltd., 1995..

R – 3   Microwave Engineering Passive Circuits — Peter A. Rizzi, PHI, 1999.

R – 4   Electronic and Radio Engineering F.E. Terman, McGraw-Hill, 4th Ed., 1955.

R – 5   Microwave and RADAR Engineering — M.Kulakarni, Umesh publications, 4th Ed.

Other Text Books:

Unit/ Item No.	Topic (s)	Book Reference	Page (s) From	To	Proposed No. of Periods	Date
O – 1	Microwave Engineering —A. Das and S.K. Das, TMH, 2nd Ed., 2009					
O – 2	Microwave Engineering – G. S. Raghuvanshi and K. Satya Prasad, Cengage Learning, 2012.					
I	**MICROWAVE TRANSMISSION LINES**				**12**	
1.1	Introduction, Microwave Spectrum and Bands	R - 5	3	4	01	01-07-15
1.2	Applications of Microwaves	R – 5	9	10	02	02-07-15
1.3	Rectangular Waveguides — TE/TM mode analysis	R – 5	91	92	01	03-07-15
1.5	Expressions for Fields, Characteristic Equation and Cut-off Frequencies	R – 5	104	105	02	04-07-15
1.6	Filter Characteristics, Dominant and Degenerate Modes	R – 5	123	124	01	06-07-15
1.7	Sketches of TE and TM mode fields in the cross-section	R – 5	97	119	01	07-07-15
1.8	Mode Characteristics — Phase and Group Velocities	R – 5	105	113	01	08-07-15
1.9	Wavelengths and Impedance Relations	R – 5	119	121	01	10-07-15
1.10	Power Transmission and Power Losses in Rectangular Guide. Related Problems	R – 5	121	123	02	11-07-15
II	**CIRCULAR WAVEGUIDES**				**11**	
2.1	Introduction, Nature of Fields, Characteristic Equation	R – 5	104	105	02	13-07-15

Unit/ Item No.	Topic (s)	Book Reference	Page (s) From	To	Proposed No. of Periods	Date
2.2	Dominant and Degenerate Modes	R – 5	189	192	01	14-07-15
2.3	Impossibility of TEM mode. Microstrip Lines– Introduction, Zo Relations	R – 5	97	98	01	15-07-15
2.4	Effective Dielectric Constant, Losses, Q factor	R – 5	72	74	02	16-07-15
2.5	Cavity Resonators– Introduction	R – 5	170	171	02	17-07-15
2.6	Rectangular and Cylindrical Cavities, Dominant Modes and Resonant Frequencies	R – 5	68	69	01	21-07-15
2.7	Q factor and Coupling Coefficients. Related Problems	R – 5	194	195	02	22-07-15
III	**WAVEGUIDE COMPONENTS AND APPLICATIONS - I**				**12**	
3.1	Coupling Mechanisms – Probe, Loop, Aperture types	R – 5	230	231	01	23-07-15
3.2	Waveguide Discontinuities – Waveguide irises	R – 5	228	230	02	24-07-15
3.3	Tuning Screws and Posts,Matched Loads	R – 5	231	232	02	25-07-15
3.4	Waveguide Attenuators – Resistive Card, Rotary Vane types	R – 5	231	232	02	27-07-15
3.5	Waveguide Phase Shifters – Dielectric, Rotary Vane types	R - 5	244	247	01	28-07-15
3.6	Waveguide Multiport Junctions – E plane and H plane Tees	R – 5	200	208	01	30-07-15
3.7	Magic Tee, Hybrid Ring; Directional Couplers – 2 Hole, Bethe Hole types	R – 5	218	222	03	31-07-15
IV	**WAVEGUIDE COMPONENTS AND APPLICATIONS - II**				**10**	
4.1	Ferrites– Composition and Characteristics	R – 5	232	234	01	01-08-15
4.2	Faraday Rotation; Ferrite Components – Gyrator, Isolator, Circulator	R – 5	234	237	01	03-08-15
4.3	Scattering Matrix– Significance, Formulation and Properties	R – 5	201	204	02	04-08-15
4.4	S Matrix Calculations for – 2 port Junction, E plane and H plane Tees	R – 5	205	207	02	05-08-15
4.5	Magic Tee, Directional Coupler	R - 5	204	208	02	07-08-15
4.6	Circulator and Isolator. Related Problems	R - 5	204	208	02	08-08-15
V	**MICROWAVE TUBES – I**				**09**	

Unit/ Item No.	Topic (s)	Book Reference	Page (s) From	To	Proposed No. of Periods	Date
5.1	Limitations and Losses of conventional tubes at microwave frequencies	R – 5	308	309	01	10-08-15
5.2	Microwave tubes – O type and M type classifications. O-type tubes	R – 5	309	310	01	11-08-15
5.3	2 Cavity Klystrons – Structure, Reentrant Cavities	R – 5	318	319	01	12-08-15
5.4	Velocity Modulation Process and Applegate Diagram	T - 1	145	152	01	13-08-15
5.5	Bunching Process and Small Signal Theory – Expressions for o/p Power and Efficiency	T - 1	163	162	01	14-08-15
5.6	Reflex Klystrons – Structure, Applegate Diagram and Principle of working	R – 5	319	321	01	17-08-15
5.7	Mathematical Theory of Bunching, Power Output, Efficiency	R – 5	321	322	01	18-08-15
5.8	Electronic Admittance; Oscillating Modes and o/p Characteristics	R – 5	328	329	01	20-08-15
5.9	Electronic and Mechanical Tuning, Related Problems	O - 1	343	345	01	21-08-15
VI	**HELIX TWTS**				**10**	
6.1	Significance, Types and Characteristics of Slow Wave Structures	R - 5	329	330	01	22-08-15
6.2	Structure of TWT and Amplification Process (qualitative treatment), Suppression of Oscillations	R – 5	330	340	01	31-08-15
6.3	Nature of the four Propagation Constants, Gain Considerations	R – 5	341	353	02	01-09-15
	M-type Tubes					
6.4	Introduction, Cross-field effects, Magnetrons – Different Types	R – 5	342	345	01	02-09-15
6.5	8-Cavity Cylindrical Travelling Wave Magnetron	R – 5	353	359	01	03-09-15
6.6	Hull Cut-off and Hartree Conditions	O - 1	445	447	01	04-09-15
6.7	Modes of Resonance and PI-Mode Operation	O - 1	442	444	02	07-09-15
6.8	Separation of PI-Mode, o/p characteristics	O - 1	443	444	01	08-09-15
VII	**MICROWAVE SOLID STATE DEVICES**				**07**	
7.1	Introduction, Classification, Applications. TEDs – Introduction	R – 5	370	375	02	09-09-15
7.2	Gunn Diode – Principle, RWH Theory	T - 1	552	557	01	10-09-15
7.3	Characteristics, Basic Modes of Operation, Oscillation Modes	R - 5	416	418	02	11-09-15
7.4	Avalanche Transit Time Devices – Introduction	R – 5	419	416	01	01-10-15

Unit/ Item No.	Topic (s)	Book Reference	Page (s) From	To	Proposed No. of Periods	Date
7.5	IMPATT and TRAPATT Diodes – Principle of Operation and Characteristics	T - 1	560	563	01	03-10-15
VIII	**MICROWAVE MEASUREMENTS**				**09**	
8.1	Description of Microwave Bench – Different Blocks and their Features	R – 5	260	263	02	05-10-15
8.2	Precautions; Microwave Power Measurement – Bolometer Method	R – 5	276	281	01	06-10-15
8.3	Measurement of Attenuation	R - 5	282	284	02	07-10-15
8.4	Frequency, VSWR, Cavity Q	R – 5	284	285	02	
8.5	Impedance Measurements, Related Problems	R - 5	290	293	02	
	TOTAL				**80**	

Faculty In-charge   **HOD / Dept. of ECE.**   **Principal**

TEACHING PLAN

LESSON PLAN   **2015-16/ECE/TLP/SA&D/TLP-6/LP**

Year & Branch   : III **B. Tech. ECE - A**

Academic Year   : **2015 -16. II Semester**

Name of the Subject   :**MP&MC**

Name of the Faculty   : **Mr. P. Prashanth**

Designation   : **Associate Professor**

Department   : **Electronics & Communication Engineering.**

Unit/ Item No.	Topic (s)	Book Reference	Page(s) From	To	Proposed No. of Period2s	Proposed Date
I	**8086 ARCHITECTURE**				**16**	
1.1	8086 architecture-Functional diagram	R - 1	3	6	03	
1.2	Register organization, memory segmentation	R - 1	6	8	02	
1.3	Programming model, memory address	R - 1	14	15	02	
1.4	Physical memory organization	R - 1	15	16	02	
1.5	Architecture of 8086,signal description of 8086	R - 1	8	14	02	
1.6	Common function signal, Timing diagram, interrupts of 8086	R - 1	21	28	05	
II	**INSTRUCTION SET AND ASSEMBLY LANGUAGE PROGRAMMING OF 8086**				**12**	
2.1	Instruction formats, addressing mode	R - 1	38	46	02	
2.2	Instruction set, assembler directives	R - 1	46	80	02	
2.3	Macros, simple programs involving logical, branch and call instructions	R - 1	85	90	03	
2.4	Sorting, evaluating arithmetic expressions	R - 1	91	92	03	
2.5	String manipulations	R - 1	93	105	02	
III	**I/O INTERFACE**				**09**	
3.1	8255 PPI, Various modes of operations and interfacing to 8086	R - 1	184	211	05	
3.2	Interfacing keyboard, display	R - 1	173	184	02	
3.3	A/D and D/A Converter	R - 1	212	224	02	
	INTERFACING WITH ADVANCED DEVICES				**06**	
3.4	Memory interfacing to 8086	R - 1	158	172	02	
3.5	Interrupt structure of 8086	R - 1	141	145	01	
3.6	Vector Interrupt table, Interrupt service routine	R - 1	138	140	03	
	COMMUNICATION INTERFACE				**07**	
3.7	Serial Communication Standards	R - 1	278	280	02	
3.8	Serial data transfer schemes	R - 1	280	281	02	
3.9	8251 USART architecture and interfacing	R - 1	281	283	03	
IV	**INTRODUCTION TO MICRO CONTROLLERS**				**10**	
4.1	Overview of 8051 Micro Controller, Architecture	R - 4	51	68	03	
4.2	I/O ports and Memory Organization	R - 4	69	75	02	
4.3	Addressing modes and Instruction set of 8051	R - 4	104	116	03	
4.4	Simple Programs	R - 4	-	-	02	

Unit/ Item No.	Topic (s)	Book Reference	Page(s)		Proposed No. of Period2s	Proposed Date
			From	To		
V	**8051REALTIMECONTROL**				**11**	
5.1	Programming Timer Interrupts	R - 4	151	156	02	
5.2	Programming external H/W interrupts	R - 4	156	164	03	
5.3	Programming the serial communication interrupts	R - 4	165	170	02	
5.4	Programming 8051 Timers, Counters	R - 4	172	186	04	
	TOTAL				**71**	

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Answer: 98.93

File Description	Document
List of the faculty members authenticated by the Head of HEI	View Document
Year wise full time teachers and sanctioned posts for 5 years	View Document

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

Answer: 8.79

2.4.2.1 Number of full time teachers with Ph.D. year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
22	17	29	27	26

File Description	Document

List of number of full time teachers with PhD and number of full time teachers for 5 years	View Document

2.4.3 Teaching experience of full time teachers in number of years

Answer: 5.82

2.4.3.1 Total experience of full-time teachers

Answer: 1669

File Description	Document
List of Teachers including their PAN, designation,dept and experience details	View Document

2.4.4 Average percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

Answer: 11.53

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
56	37	52	18	7

File Description	Document
Institutional data in prescribed format	View Document

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

Answer: 2.73

2.4.5.1 Number of full time teachers from other states year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
18	8	4	5	4

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	View Document

2.5 Evaluation Process and Reforms

2.5.1 Average number of days from the date of last semester-end/ year- end examination till the declaration of results during the last five years

Answer: 47.8

2.5.1.1 Number of days from the date of last semester-end/ year- end examination till the declaration of results year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
47	48	47	48	49

File Description	Document
List of programs and date of last semester and date of declaration of result	View Document

2.5.2 Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years

Answer: 0.59

2.5.2.1 Number of complaints/grievances about evaluation year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
43	32	13	13	0

File Description	Document
Number of complaints and total number of students appeared year wise	View Document

2.5.3 Average percentage of applications for revaluation leading to change in marks

Answer: 3.26

2.5.3.1 Number of applications for revaluation leading to change in marks year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
7	0	0	0	0

File Description	Document
Year wise number of applications, students and revaluation cases	View Document

2.5.4 Positive impact of reforms on the examination procedures and processes including IT integration and continuous internal assessment on the examination management system

Answer:

AUTONOMOUS ANNEXE:

The Autonomous Annexe of the College is a confidential section with the responsibility of smooth conduct of examinations for all courses of the College after the College is awarded Autonomous Status by JNTUH, publication of results, maintenance of students' records and certification.

STRUCTURE:

The Autonomous Annexe of SICET is headed by **Director, Academic Affairs & Evaluation** who is overall-in charge of the Section. He is assisted by the following officers.

1. Dean
2. Controller of Examinations
3. Additional Controllers of Examinations
4. Senior Assistants
5. Data Entry Operators
6. Office staff like Junior Assistants, Attenders etc.

BEES EXAMINATION TOOL

Autonomous Annexe implemented automation by purchasing customized examination automation tool called BET (Bes Examination Tool) . Annexe is

functioning 7 modules out of 8 modules.

All these 7 modules have set of defined functionality.

Autonomous Annexe implemented automation by purchasing customized examination automation tool called BET (Bes Examination Tool) . Annexe is utilizing 7 functions out of 8 defined functions of BET.

BET APPLICATION LOGIN SCREEN

All the above defined BET functions 7 are categorized into 3 modules, they are

1.PRE-EXAMINATION MODULE

2. POST-EXAMINATION MODULE

3. UTILITIES AND ACTIVITIES

After Successful Login, depending on the user credentials one can perform are utilize defined procedures of BET.

IDENTIFYING QUESTIONS TWO DIFFERENT SETS FROM THE QUESTION BANK FOR CONDUCTING THE MID EXAMINATIONS

Model Question identification sheet.

Short listing or selecting Mid Question Paper:

Mid Exam Blank Marks Sheet issued to coordinator:

All the subject Answer Scripts were given to concerned subject faculties through coordinators along with a blank mid marks sheet.

PROCEDURE TO CONDUCT END EXAMINATION

The performance of a student in each semester shall be evaluated subject –wise with **a maximum of 100 marks for theory and 75 marks for practical subjects.** In addition, an Industry oriented mini- project, Technical Seminar, Comprehensive viva-voce, and Main Project Work shall be evaluated for **50, 50, 100 and 200 marks** respectively.

Recounting/Revaluation/Challenge of Evaluation:

Re counting of marks in the Answer Scripts:

Students are permitted to apply through the Principals of respective colleges within 15 days from the date of publication of results for recounting of marks in theory subjects of the end examination by paying the prescribed fee. The students will be informed about changes in marks, if any, through the respective principals along with the corrected marks memos.

ATTENDANCE:

The programs are offered on a unit basis with each subject being considered a unit.

- A student shall be eligible to appear for the semester end examinations, if student acquires a minimum of 75% of attendance in aggregate.
- Shortage of attendance in aggregate up to 10% (65% and above, and below 75%) in each semester may be condoned by the college academic committee on genuine and valid grounds, based on the student's representation with supporting evidence
- Shortage of attendance below 65% shall in no case be condoned.
- A stipulated fee shall be payable towards con donation of shortage of attendance.

PROCEDURE TO CONDUCT MID-EXAMINATIONS:

UG MID EXAMS

For theory subjects the distribution shall be 30 marks for Internal Evaluation and 70 marks for the End-Examination, Two mid examinations will be conducted in each semester as per the academic calendar. Each mid examination is evaluated for 25 marks. First mid examination should be conducted for 1 – 2 ½ Units of syllabus and the second mid examination shall be conducted for 2 ½ - 5 Units of syllabus. The mid descriptive type exam paper consists of Section-A and Section-B.

Section-A [compulsory] consists of 5 short answer questions and each carries one mark.

Section-B consists of 6 questions out of which 4 are to be answered and each question carries 5 marks. The time duration of each mid examination is 90 minutes.

Two assignments are to be given to students covering the syllabus of first mid and second mid examinations and these assignments and Attendance are evaluated for 5 marks each. The first assignment shall be submitted before first mid examinations and second Assignment should be submitted before second mid examination.

At the end of the semester Internal Marks Maximum of 30 for the respective subjects are allotted as follows:

- 25 marks for the better of the two midterm examinations
- 5 marks of the average of the two assignment marks & Attendance

For the subjects having design and / or drawing, (such as Engineering Graphics, Engineering Drawing, Machine Drawing, Production Drawing Practice, and Estimation etc.,) the distribution shall be 30 marks for internal evaluation (15 marks for day-to-day work and 15 marks for internal tests

The better of the two examinations will be taken into account.

Continuous internal assessment

1. Continuous internal assessment system is conducted through class tests, presentations, assignments, quizzes, tutorials, two internal and one End examination. This assessment gives enough scope to the students to improve their performance and analyze their progress on a time to time basis.
2. To ensure a more comprehensive and continuous evaluation, the college adheres to a precise and clear process of internal evaluation. For theory subjects, including audit subjects, the internal assessment shall be done by two midterm tests. Earlier, the better marks of the two midterm-tests of the in-semester assessment were taken; Now, Internal assessment marks in a subject will be calculated as weighted sum of the two midterm test marks in that subject. The weights are: 30% for the minimum midterm marks and 70% for the maximum midterm marks. Any fractional mark after adding all contributions is rounded up to next integer mark. If any student absents for any midterm test, she/he will be awarded zero marks for that midterm test.
3. Shift from year wise scheme to semester system for I B.Tech students gave scope for continuous internal assessments.

CONDUCT OF INTERNAL PRACTICAL/LAB EXAMINATIONS:

UG COUSE:

For practical subjects there shall be a continuous evaluation during the semester for 25 sessional marks and 50 marks for end examination. Out of the 25 marks for internal, day-to-day work in the laboratory shall be evaluated for 10 marks, and 10 marks for internal examination (two internal practical examinations will be conducted and the better of the two examinations will be taken into account) and 5 marks for laboratory record.

2.5.5 Status of automation of Examination division along with approved Examination Manual

Answer: A. 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Document
Annual reports of examination including the present status of automation	View Document
Current manual of examination automation system and Annual reports of examination including the present status of automation	View Document
Current Manual of examination automation system	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed on website and communicated to teachers and students

Answer:

The Program Outcomes(POs), Program Specific Outputs(PSOs) and Course Outcomes (COs) are published in college website, at department display boards. The POs are disseminated during the Faculty Development Programs, seminars, workshops and other activities conducted by the department. The Pos of the institute are presented to the newly joined students and their parents during orientation program conducted at the time of joining during the 1st year of B.Tech. Awareness is created among all the senior

students through interactive sessions conducted during the academic year.

The PO's, PSO's and CO's are published at College Website www.sriindugroup.org

- Display Boards
- Laboratories
- Department Library
- Course File

The PO's PSO's and CO's are disseminated through

- Staff meetings
- Student Orientation programme
- Class Teachers to the respective classes at the beginning of every Semester course.
- College Website www.sriindugroup.org

File Description	Document
COs for all courses (exemplars from Glossary)	View Document
Link for Additional Information	View Document

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Answer:

THE METHOD OF MEASURING ATTAINMENT OF POs, PSOs and COs

MEASURING TOOLS	QUALITY & RELEVANCE
	Students write assignment 5 questions for 2 mid tests. The questionnaire uplifts the

	ASSIGNMENT	creative thinking of the student.
	MID TEST 1	In a semester 2 mid tests are proposed, the test evaluates the student analytical skills, problem solving capability, derives the technical knowledge about the concern subject.
	MID TEST 2	
	SEMESTER END EXAM	Questions are in a way to increase the logical thinking of students in an angle towards the technical concept of the concern subject.
	SEMINAR & PROJECT	Students asked to give seminars & projects in the up- coming trends in the field.
DIRECT ASSESSMENT TOOLS	PROJECT WORK EVALUATION	Students asked to perform projects in the up-coming trends Innovative thoughts are implemented by our students as the project reports.
	ORAL EXAMS/VIVA VOCE	Viva Voce conducted during lab sessions. End semester course viva is also used to measure the same.
	COURSE EVALUATION	Course evaluation is collected from the teacher at the end of each sem. Mode of evaluation are Internal Theory & Practical Exams, Assignments, Seminars

MEASURING TOOLS		QUALITY /RELEVANCE
INDIRECT ASSESSMENT TOOLS	ALUMNI SURVEY	The questionnaire in relevance to POs and PSOs given to the stake holders, they commented on those questions helped us to make corrections and remedial actions to improve the Quality bar performance.
	EMPLOYER SURVEY	
	STUDENT EXIT SURVEY	
	PARENT FEEDBACK SURVEY	
	STUDENT FEEDBACK SURVEY	

Level of attainment of POs, PSOs and COs:

Final Result %	0% to 49%	50% to 69%	70% to 100%
Attainment Level	1.	1.	1.

Mechanism of communication of POs, PSOs and COs to the teachers and students:

At the beginning of every academic year the teachers are given by the respective syllabus copy which contains the course outcomes of the given subjects in the respective academic year.

At the beginning of course the students are given by the respective syllabus copy of the entire 4 years course which contains the course outcomes of the given subjects in the respective academic year, and at the initial stage of each subject the POs, PSOs and COs are clearly explained by the respective teacher for that subject.

(A) PROGRAM OUTCOMES(POs)

Engineering Graduates will be able to:

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

B. PROGRAM SPECIFIC OUTCOMES (PSOs)

Program shall specify 2-4 program specific outcomes.

PSO1 : Apply basic knowledge related to electronic circuits, VLSI, communication systems, signal processing and embedded systems to solve engineering/societal problems.

PSO2 : Design, verify and authenticate electronic functional elements for a different applications, with skills to interpret and communicate results.

PSO3 : Engineering and management concepts are used to analyze specifications and prototype electronic experiments/projects either independently or in teams.

2.6.3 Average pass percentage of Students

Answer: 91.3

2.6.3.1 Total number of final year students who passed the university examination

Answer: 2971

2.6.3.2 Total number of final year students who appeared for the examination

Answer: 3254

File Description	Document
List of programs and number of students passed and appeared in the final year examination	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Answer:

File Description	Document
Database of all currently enrolled students	View Document

3.Research, Innovations and Extension

3.1 Promotion of Research and Facilities
3.1.1 The institution has a well defined policy for promotion of research and the same is uploaded on the institutional website

Answer: Yes

File Description	Document
Any additional information	View Document
URL of Policy document on promotion of research uploaded on website	View Document

3.1.2 The institution provides seed money to its teachers for research (average per year)

Answer: 0.88

3.1.2.1 The amount of seed money provided by institution to its faculty year wise during the last five years(INR in Lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
1.37	1.05	0.61	0.6	0.75

File Description	Document
List of teachers receiving grant and details of grant received	View Document

3.1.3 Number of teachers awarded international fellowship for advanced studies/ research during the last five years

Answer: 0

3.1.3.1 The number of teachers awarded international fellowship for advanced studies / research year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
List of teachers and their international fellowship details	View Document

3.1.4 Institution has the following facilities

1. Central Instrumentation Centre

2. Animal House/Green House / Museum

3. Central Fabrication facility

4. Media laboratory/Business Lab/Studios

5. Research / Statistical Databases

Answer: C. Two of the facilities exist

3.2 Resource Mobilization for Research
3.2.1 Grants for research projects sponsored by the government/non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution during the last five years(INR in Lakhs)

Answer: 13

3.2.1.1 Total Grants for research projects sponsored by the government/non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year wise during the last five years(INR in Lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	13	0	0

File Description	Document
List of project and grant details	View Document
e-copies of the grant award letters for research projects sponsored by non-government	View Document

3.2.2 Number of research centres recognised by University and National/ International Bodies

Answer: 2

3.2.2.1 **Number of research centres recognised by University and National/ International Bodies**

Answer: 2

File Description	Document
Names of research centres	View Document

3.2.3 Percentage of teachers recognised as research guides

Answer: 1.39

3.2.3.1 **Number of teachers recognised as research guides**

Answer: 4

File Description	Document
Details of teachers recognized as research guide	View Document

3.2.4 Average number of research projects per teacher funded by government and non-government agencies during the last five years

Answer: 0.01

3.2.4.1 Number of research projects funded by government and non-government agencies during the last five years

Answer: 10

File Description	Document
List of research projects and funding details	View Document
Supporting document from Funding Agency	View Document
link to funding agency website	View Document

3.3 Innovation Ecosystem

3.3.1 Institution has created an eco system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge

Answer:

CENTER FOR RESEARCH AND INNOVATION POLICY DOCUMENT

Purpose

An essential component of the mandate of Sri Indu College of Engineering & Technology is to create and sustain an atmosphere of intellectual excitement, a climate of inquiry and innovation among students and faculty. The Center for Research and Innovation is the vehicle for establishing procedures for the conduct of research and scholarly activity and to promote applied research and innovation.

Scope and Limits

This policy applies to all persons participating and conducting research and innovation activities under the auspices of the College.

Policy Statements

1. **Establishment**: The Governing Body of the College authorized the Academic Council for the College to establish and manage Center for Research and Innovation (CRI). CRI will prepare and implement policies for research and innovation activities within the College.
2. **Governing**: CRI will be governed by a committee consisting of the following members:

1. Principal of College, Chairman of committee
2. Coordinator
3. Heads of all Academic Departments
4. Faculty nominated by Principal, Members
5. Expert from Industry nominated by Principal, Member
6. Expert from Academics nominated by Principal, Member
7. Student nominated by Principal, non-voting Member

All members have equal voting rights except the nominated student member

1. **Responsibilities**: The primary responsibility is to create and nurture the research and innovation ecosystem in the College. The responsibilities are, but not limited to:

1. Sponsor and administer research promotion policies reflecting the Vision and the College
2. Network with industries and research institutions for funding and cooperation
3. Enable faculty and students to contribute to research and innovation activities
4. Establish and maintain infrastructure required for research and innovation
5. Promote emerging areas of research and innovation
6. Promote product development and assist in monetization of research
7. Promote and administer consultancy works
8. Sensitize the stakeholders to adhere to Code of Ethics in Research

1. **Tenure of Members**: The tenure of members shall be two years
2. **Quorum**: The quorum for all meetings of the committee is 50%, rounded to next higher integer number, of the members with voting rights
3. **Meeting Schedule**: The committee shall meet at least two times each semester. The Coordinator shall prepare the agenda and convene the meetings as appropriate
4. **Reporting**: The CRI shall report to Academic Council of the College
5. **Review and Feedback**: Coordinator, CRI, will propose modifications and improvements to this policy document based on experiences, and feedback from stakeholders and others. Academic Council of the College will review the proposed modifications and incorporate them into the policy.

File Description	Document
Any additional information	View Document

3.3.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry - Academia Innovative practices during the last five years

Answer: 8

3.3.2.1 Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
2	2	1	1	2

File Description	Document
List of workshops/seminars during the last 5 years	View Document

3.3.3 Number of awards for innovation won by institution/ teachers/ research scholars/students during the last five years

Answer: 248

3.3.3.1 Total number of awards for innovation won by institution/teachers/research scholars/students year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
45	36	42	70	55

File Description	Document
List of innovation and award details	View Document

3.3.4 Number of start-ups incubated on campus during the last five years

Answer: 9

3.3.4.1 Total number of start-ups incubated on campus year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
5	3	1	0	0

File Description	Document
List of startups details like name of startup, nature, year of commencement etc	View Document

3.4 Research Publications and Awards

3.4.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Answer: Yes

File Description	Document
Institutional data in prescribed format	View Document

3.4.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Answer: Yes

File Description	Document
List of Awardees and Award details	View Document

3.4.3 Number of Patents published/awarded during the last five years

Answer: 0

3.4.3.1 Total number of Patents published/awarded year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
List of patents and year it was awarded	View Document

3.4.4 Number of Ph.D.s awarded per teacher during the last five years

Answer: 0.2

3.4.4.1 How many Ph.Ds are awarded within last 5 years

Answer: 2

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document

3.4.5 Number of research papers per teacher in the Journals notified on UGC website during the last five years

Answer: 0.16

3.4.5.1 Number of research papers in the Journals notified on UGC website during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
86	57	57	17	17

File Description	Document

| List of research papers by title, author, department, name and year of publication | [View Document](#) |

3.4.6 Number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last five years

Answer: 0.03

3.4.6.1 Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
12	6	6	8	8

File Description	Document
List books and chapters in edited volumes / books published	[View Document](#)

3.4.7 Bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Answer: 0.32

3.4.7.1 Total number of citations received by publications in the last 5 years, which are included in online databases such as SCOPUS, web of science or PubMed/ Indian Citation Index

Answer: 100

File Description	Document
BiblioMetrics of the publications during the last five years	[View Document](#)

3.4.8 Bibliometrics of the publications during the last five years based on Scopus/ Web of Science - h-index of the Institution

Answer: 0.5

3.4.8.1 Number of citations received by individual research publications in the last 5 years

Answer: 10

3.4.8.2 Number of publications receiving proportionately maximum number of citation in the last five years

Answer: 20

File Description	Document
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View Document

3.5 Consultancy

3.5.1 Institution has a policy on consultancy including revenue sharing between the institution and the individual

Answer: Yes

File Description	Document
Soft copy of the Consultancy Policy	View Document
URL of the consultancy policy document	View Document

3.5.2 Revenue generated from consultancy during the last five years

Answer: 7.45

3.5.2.1 Total amount generated from consultancy year wise during the last five years (INR in Lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
4	1.6	1.25	0.60	0

File Description	Document
List of consultants and revenue generated by them	View Document

3.5.3 Revenue generated from corporate training by the institution during the last five years

Answer: 3.21

3.5.3.1 Total amount generated from corporate training by the institution year wise during the last five years (INR in Lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
1.15	0.45	0.55	0.35	0.71

File Description	Document
List of teacher consultants and revenue generated by them	[View Document](#)

3.6 Extension Activities

3.6.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Answer:

Sri Indu College of Engineering & Technology actively involved in extension activities in the adjacent villages. Some of the activities during the last five years are listed below:

- A free skill development training program was introduced. The objective of this program is to train educated unemployed youth with skills to earn a livelihood.
- One day sensitization program was organized by the school of humanities and social sciences on participatory photography among the various community members of nearby villages. The purpose of this activity was to exploit the accessibility of photography where community members take pictures of them.
- The women empowerment cell of the department of CSE has organized one-day training by giving a one-day hands-on training on "Basic Computer Fundamentals" to women in November 2016.The primary objective was to carry out a drive towards social commitment by providing basic computer literacy in remote area to school teachers so as to make them able to use computers and related technology efficiently.
- The civil Engineering department organized an event on green world to create awareness about environment on the occasion of world earth day.
- A program was started which was mainly aimed at providing the children with tutorials in subjects like Mathematics, Science, Social Sciences and English, besides taking care of their growth and developmental need as adolescents in a climate of rapidly changing and often hostile environments.
- The college hosted a tree plantation drive in the around the Campus of SICET, by the name of "Harithaharam".

3.6.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

Answer: 3

3.6.2.1 Total number of awards and recognition received for extension activities from Government /recognised bodies year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
3	0	0	0	0

File Description	Document
Number of awards for extension activities in last 5 years	View Document

3.6.3 Number of extension and outreach programs conducted in collaboration with industry, community and Non-Government Organisations through NSS/NCC/Red cross/YRC etc., during the last five years

Answer: 6

3.6.3.1 Number of extension and outreach programs conducted in collaboration with industry,community and Non-Government Organisations through NSS/NCC/Red cross/YRC etc.,year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
3	1	1	1	0

File Description	Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	View Document

3.6.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Answer: 0.22

3.6.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
9	4	9	7	5

File Description	Document
Average percentage of students participating in extension activities with Govt. or NGO etc.	View Document

3.7 Collaboration

3.7.1 Number of Collaborative activities for research, faculty exchange, student exchange per year

Answer: 4.2

3.7.1.1 Total number of Collaborative activities for research, faculty exchange, student exchange year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
9	3	2	2	5

File Description	Document
Number of Collaborative activities for research, faculty etc.	View Document

3.7.2 Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last five years

Answer: 22

3.7.2.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13

| 9 | 3 | 3 | 2 | 5 |

File Description	Document
Details of linkages with institutions/industries for internship	[View Document](#)

3.7.3 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last five years

(only functional MoUs with ongoing activities to be considered)

Answer: 22

3.7.3.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
11	4	2	1	4

File Description	Document
Details of functional MoUs with institutions of national, international importance,other universities etc. during the last five years	[View Document](#)

4.Infrastructure and Learning Resources
4.1 Physical Facilities
4.1.1 The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc

Answer:

- The college regularly updates physical infrastructure by constructing new buildings and replacing obsolete equipment with modern equipment. Whenever new courses are sanctioned or additional intake is sanctioned, new buildings are constructed or additional floor space is created.
- Every year, budget proposals are submitted by different departments for purchase of new equipment for laboratories. The proposals are scrutinized and funds are sanctioned for the purchase of necessary equipment
- The college had constructed buildings in the form of blocks such as Main Block, ECE & R&D Block, Mech. / Aero / Civil Block, First Year Block, Hostel Block. Each block is allotted to one or more departments depending on floor space required by each department.
- All the class rooms and Laboratories are equipped with LCD Projectors and also contains notice boards which is used to give information regarding the daily activities of the Institution and also used to post the latest information on technology which helps for students knowledge up gradation. Even students actively post any new technical information they come across from various sources.

- This campus with state-of-the-art infrastructure comprising smart class rooms, conference rooms, faculty cabins, student housing, dining hall, students' common room, sports facilities etc., and ATM with basic banking facilities and a fully functional laundry near the student housing area. There is a range of food and beverage facilities in the Food Village in addition to the Dining Halls and also a convenience store and transport facility
- Campus houses a fully functional 24/7 Health Centre with emergency bed facilities for students, staff and faculty.
- Each laboratory in the department is utilized optimally. Some of the laboratories are utilized as per the curriculum. The laboratories are used to train our students both academically and also for learning some practical concepts of the theoretical subjects. The laboratories are equipped with state of art updated equipments. As the practical aspects are very necessary in today engineering study, the students are one to one trained.
- The college has Seven Seminar Halls of different seating capacity. These may be utilized by any department depending on required seating.
- The institution has sufficient resources allocated for regular upkeep of the infrastructure. There are effective mechanisms for the upkeep of the infrastructure facilities and promote the optimum use of the same.
- The Institution has 7 departments namely, H&S, CSE, EEE, ECE, Mechanical, Civil and IT. All departments are fully established in 4 different Blocks and the total available infrastructural facilities are as detailed shown in below tabular form.

Following additional facilities are available in campus:

- R&D Center
- Advanced lab innovation center (Incubation center)
- Video conference hall (ICT Center)
- Digital library
- Seminar halls

CLASS ROOM PHYSICAL FACILITIES

BRANCH	No. of Students	TOTAL AVAILABLE CLASS ROOMS	WRITING BOARDS	LCD PROJECTORS	PC	LAN	UPS
H&S	885	15	15	15	15	15	15
MECH	520	9	9	6	6	6	6
CSE	685	12	12	9	9	9	9
ECE	796	12	12	9	9	9	9
EEE	375	6	6	4	4	4	4
CIVIL	449	7	7	4	4	4	4
IT	165	3	3	4	4	4	4
TOTAL	3875	64	64	51	51	51	51

LABORATORY PHYSICAL FACILITIES

BRANCH	Total No. of Students	TOTAL LABS	AVAILABLE WRITING BOARD	EQUIPMENTS REQUIREMENTS	LCD PROJECTORS	PC	LAN	UPS
H&S	885	6	6	YES	3	3	3	1
MECH	520	9	9	YES	1	1	1	1
CSE	685	9	9	YES	3	3	9	9
ECE	796	12	12	YES	6	6	6	1
EEE	375	6	6	YES	2	2	2	1
CIVIL	449	9	9	YES	1	1	1	1
IT	165	1	1	YES	1	1	1	1
TOTAL	3875	52	52		17	17	23	15

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.1.2 The institution has adequate facilities for sports, games (indoor, outdoor, gymnasium, yoga centre etc.,) and cultural activities.

Answer:

S.NO	NAME OF THE GAME	AREA IN SQ.FT.	YEAR OF ESTABLISHMENT
1	BASKET BALL	1800	2003
2	CRICKET	30000	2015
3	BALL BADMINTON	1500	2003
4	VOLLEY BALL	2500	2003
5	KABADDI	1000	2003
6	THE JAVELIN THROW	1000.	2003
7	KHO KHO	600	2001

8	INDOOR GAMES	CHESS	2000.	2001
		CAROM BOARD		2001
		TABLE TENNIS		2001
		SHUTTLE CORK		2001
9	YOGA CENTRE		1000.	2012

Sports & Games

1. 25-03-2015 to 26-03-2015 Women Throwball Tournament in JNTU C Zone in Narsimha Reddy Engineering College.
2. 23-03-2015 to 24-03-2015 badminton Tournament in JNTU C Zone in Narsimha Reddy Engineering College.
3. 15-03-2015 15 Students participated in Cricket Tournament in CMR College of Engineering & Technology
4. 09-01-2015 **15** Students participated in Cricket Tournament in EENDU Cricket Championship 2014.
5. 23-01-2015 K. Sai Krishna, Department of Mechanical Engineering participated in FENCING at JNTUH
6. 03-03-2015 to 04-03-2015 Athelitics 800 mtrs. got 3rd Prize in Seventh Indian Open Inter Engineering Coligiate sports fest at VNR Vignana Jyothi Institute of Engg. Technology
7. G. Lokesh Kumar, Department of ECE got 2nd Prize and 3rd Prize in Athletics JNTUH 800 mtrs. And 1500 mtrs. (24-03-2014)
8. 06-03-2014 to 07-03-2014 got first prize in Athletics in 8 Kms. at V.N.R. Vignana Jyothi Engg. College
9. G. Lokesh Kumar, Department of ECE got 3rd Prize in first Telangana state Juniors Athletics Championship at Warangal in 400 m & 800 Mtrs. (14-09-2014)
10. 2013 G. Lokesh Kumar, Department of ECE got 1st Place in 48th Inter Discreet Championship under 8 Kms.
11. 26-1-2013 to 21-02-2013 Jawahar Cricket & Volley Ball Tournament-2013   3rd State level Inter Engineering Collegiate Tourment participated in JNIET.
12. The Institution has developed many Indoor and Outdoor Play Grounds during the years 2011-2012.
13. Selections were conducted for Cricket, Volleyball, Basketball, Chess, Athletics, Netball, Shuttle Badminton teams to participate in Jawaharlal Nehru University Inter-collegiate tournaments 2011-12.
14. The Institution Sports meet conducted every year
15. T. Sai Tarun Mechanical 1st Year participated Inter University soft ball during 19th to 28th February, 2012
16. S. Kranthi Kiran Participated in C. Devender Yadav memorial cross country run first place in Nizam College Ground, Participated in Inter University.
17. Participated in VNR Vignanajyothi 4th all Inter Engineering Colleges sports meet first place 400 mts.

Additional facilities:

- Open Air Theaters (OAT)
- Sports Room
- Excellent indoor stadium
- PD room

Co-curricular and Extra-curricular Activities

The students are motivated and frequently guided by the expert lecturers in the department to project their technical skills. The students are allowed to participate in various co-curricular activities within the college and also at institutional level.

Our department offers a unique opportunity to students, for broadening their perspectives and also for an in-depth feel of technological, managerial and administrative skills involved in their curriculum. The list of co-curricular activities organized by our college is as under:-

- Technical quiz
- Work shops
- Group discussion
- Students project work
- Paper presentation
- Guest lecture by external experts
- PDP-personality development programs
- EDP-Entrepreneurship development programs
- Mock interviews
- Students seminar
- Alumni interaction

The co-curricular activities are conducted for the students to enrich themselves in wider aspects.

Technostav-2017 on 4TH March, 2017, in sri Indu College of Engineering &Technology

Technostav-2016 on 20th February, 2016 in sri Indu College of Engineering &Technology

AAYUKTHA 2015, 6TH & 7TH March 2015, 2014, 2013, 2012 various cultural activities also organized for the students of this institute

Technostav-2015 on 8th May, 2015, 2014, 2013, 2012 in sri Indu College of Engineering &Technology

Social Service : The Institution is also conducting various social service activities. The following social activities organized by the College.

NCC Activities

1. *Tree Plantation* : The College organized Tree Plantation Program and planted five hundred Trees by the NCC students in the campus.
2. *C.Ms Flood Relief Fund*: The college student clubs collected a fund of Rs 1,00,000/- and donated to CMs office.

NSS Activities

- Blood Donation Camp Organized. Many of our students and staff have participated voluntarily and donated blood for Red Cross Society, Lions Club, Gandhi Hospital and charity for orphanage.

Cultural activities:

Various cultural activities like dancing, singing, skit, mimicry etc., are conducted and actively participated by the students during the following celebrations.

- Annual day celebration
- College day celebration
- Fresher's day celebration
- Farewell day celebration
- Sports day celebration
- Hostel day celebration

File Description	Document
Any additional information	View Document
link for additional information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc

Answer: 87.88

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Answer: 58

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Answer: 22.82

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year wise during the last five years (INR in Lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
196	176	158	149	98

File Description	Document
Audited utilization statements	View Document
Details of budget allocation, excluding salary during the last five years	View Document

4.2 Library as a Learning Resource
4.2.1 Library is automated using Integrated Library Management System (ILMS)

Answer:

Library has an advisory committee. The Constitution of the Library advisory Committee is as follows.

1. Principal   - Chairman

2. HODs of all Dept.   - members

3. Librarian   - Convener

        The function of Library Committee is to support the functioning of the Library so that it can facilitate the Library development plans by advocating the library development activities. The purpose of the library committee is to act as a channel of communication between the College Library and its users.

Major Responsibilites

- The activities of the library are monitored by way of lending of books, purchase of books, lending of audio-visual material, stock verification, computerization etc.
- Distribution of funds allocated for books, journals, e-journals and furniture
- Functioning of the Digital Library.
- To review the functioning of the library with regards to its support to the academic programmes of the college.
- To monitor and evaluate, from time to time, trends and developments in information technologies, networking, library automation.
- To formulate action plan for the development of library infrastructure, facilities, products and services.

The central library is located in the separate block having its own digital library, reading room and is easily accessible to the student of all departments.

Books are issued through New Genlib Automation software with bar code, Photocopier, Journals, magazines, power back up and pure drinking water facilities are also available. Library is equipped with the state of art facilities where the students and the faculty can make use of resources

available. The overall Environment of Library is user friendly. Faculty of Library Science is totally dedicated to put their best efforts in satisfying the student community.

1. *Name of the ILMS software:* ***NewGenLib***

- *Nature of automation (fully or partially):* ***Fully***
- *Version:* ***3.0.4Carbon(Release 2)***
- *Year of automation:* ***2007***

NewGenLib is a fully web based integrated library management software that runs on distributed computers through a network or server. It can also run on local area networks without access to the Internet, although some of the advantages of using it via the web will be lost. It uses a number of well supported and widely used, reliable and well tested open source components like PostgreSQL, Apache Tomcat, and Solr Lucene. .

NewGenLib is entirely Java based, platform neutral, and uses the following related software technologies in its presentation, web server and database layers. Interface makes it possible that part of the processing works can be done by the client, thus reducing load and memory usage for sessions on the server, and unnecessary network usage.

NewGenlib 3 uses the Yahoo! User Interface Library (YUI) framework for Cascading Style Sheets (CSS) to maintain good browser compliance and standard layout features. Advanced Functional Features NewGenLib is the result of the joint efforts of experienced library professionals and information technology experts from India. So, naturally, the system is influenced by the workflow process followed in the Indian subcontinent. For instance, payment of subscription dues for journals is processed in

NewGenLib as per the practice followed by the libraries in the Indian subcontinent. However, in the libraries in the western countries, these payments are usually done by back office or administration departments rather than the library. This could be the reason for non inclusionof the payments for journal subscriptions in Koha. The functionality of the Serials Management sub system in NewGenLib is as good as the best of western commercial ILMS.

In fact, NewGenLib"s adherence to proven MARC standards for the description of serials, and the use of Captions and Patterns for expecting receipts of serial issues, so vital in serials management automation, is quite elaborate, yet quite intuitive for serial managers.

To understand its modular functionalities and workflow process, one should go through the book on automation by the domain specialist of NewGenLib. In addition, many functional details of each module have been given by Haravu.

Each department Library has more than 500 books with 300 titles. It also has the old project reports for student's reference. The collection of online lectures and some transactions are also available. There is a collection of ebooks in CD format which are made available to the students on demand.

File Description	Document

Any additional information	View Document
link for additional information	View Document

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resource for library enrichment

Answer:

Data Requirement for last five years:

Provide the description of library enrichment which includes

· Name of the book/ manuscript

· Name of the publisher

· Name of the author

· Number of copies

· Year of publishing

The Rare Book collections:

Sri Indu College of engineering and Technology Library Rare Book Collection consists of relevance to the college teaching and research interests particularly Science and Technology Collection. The Central Library builds distinctive collections of academic, rare books and preserves them for teaching learning for faculty and students of the college in the campus. In support of Sri Indu college of engineering and Technology, library collect a diversity of voices in a wide range of books for all the branches. As per regular academic books central library do not circulate to users these rare books.

In Central library Rare Books may be viewed only in the Reference section/reading room. These materials are not permit to take home. Students and faculty can read these materials from the library of all branches, rare books must be used in the Library rare books must be used under supervision photocopying and scanning of rare books is not usually permitted

As per the Regular collection of Hard Copies (books), College Digital Library preserves many rare books in Electronic formats (e-books) through National Digital Library and N-List (eshodh sindhu) these books users can access within the campus and remote access also.

Name of the book	Name of the Publisher	Name of the Author	Number of Copies	Year of Publishing
Webster's Encyclopedic Unabridged Dictionary of the English Language	Gramercy Book	Webster	1	1996

Academic Press Dictionary of Science and Technology	Academic press	Morris, Christopher	1	1992
The Electronics Hand Book	CRC	Whitaker, Jerry C	1	2000
The Computer Science and Engineering Hand Book	CRC	Tucker, Allen B	1	
The Industrial Electranics Handbook	CRC	Irwin, J. David	1	1997
The Control Handbook-Vol.I	Jaico	Levine, William S	1	1999
The Control Handbook-Vol.II	Jaico	Levine, William S	1	1999
The Secrets of Effective Direct Mail	TMH	Fraser-Robinson, John	1	1989
The Telephone Book: How to Find, Get, Keep and Develop Customers	BPB	Leiderman, Robert	1	1990
Electronics Engineers Reference book	Newnes	Mazda, F.F	1	1994
Reference Data for Engineers: Radio, Electronics, Computer and Communication	Newnes	Valkenburg, Van	1	2001
Atomic, Molecular & Optical Physics Handbook	AIP	Dreake, Gordon W.F	1	1996
Safety at Work	Butter worth	Ridley, John and Channing, John	1	2001
I S O 9000 to OHAS 18001	S.K.Kataria	Arora, K.C	1	2004
Comprehensive Vol. I - IV Biotechnology	Pergamon Press	Conney.Charles.L	1	2004
Handbook of Biomedical Instrumentation	TMH	Khandpur, R.S	9	2001
Norms and Standards AICTE	AICTE	Image Print	1	1999
Ultimate Family Visual Dictionary	DK	Ian Graham	1	2015
Aircraft Structures for Engineering Students	Elsevier	MEgson	4	2010
Aircraft Design: A Conceptual Approach	AIAA, Virginia	Daniel P Raymer	3	2006
Rocket Propulsion Elements	Wiley	George P Sutton	3	2010
The Jet Engine	Rolls Royce	Rolls Royce	1	
Aerothermodynamics of Aircraft Engine components	AIAA	Gordon C Oates	1	1985
Sreemadbagavadgeetha	Ramakrishnamat	Nirvikalpananda	37	2016
Sri Sharadha Devi Charitha	Ramakrishnamat	Sri Chiranthananda	37	
Sri Vivekanand Jeevitha Charithra	Ramakrishnamat	Sri Chiranthananda	42	2016
Sri Ramakrishna Jeevitha Charithra	Ramakrishnamat	Sri Chiranthananda	42	
The Gospal of Sri Sri Ramakrishna	Ramakrishnamat	Nikhilananda	1	2000

Does the institution have the following: (3)

1. e – journals

2. e-ShodhSindhu

3. Shodhganga membership

4. e-books

5. Databases

Options:

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

E. None of the above

Opt One

Data Requirement for last five years:

· Details of memberships

· Details of subscriptions

Year	Details of Memberships	Details of Subscriptions	Name of service subscribed to	No of eresources with full text	Validity Period	Usage report from the	Whether remote access provided? (Yes / No)

Year				access		service provider	
2012-2013	1. CYB/11-2012/961 2. CYB/11-2012/962 3. IEEE 92394440	1. Infotrac Engg.& Tech 2. Infotrac Mgt. 3. IEEE	1. Cyber Info Syndicate 2. IEEE	1.1330 2.33	One Year	Enclosed	Yes
2013-2014	C-405-1246	J-Gate Engg. & Tech.	Informatics	2005	One year	Enclosed	Yes
2014-2015	C-405-0039	J-Gate Engg. & Tech.	Informatics	2005	One Year	Enclosed	Yes
2015-2016	1.C-405-0800 2.IM-6173 3.INF/N-LIST/2015/5310	1.J-Gate Engg. & Tech. 2.DELNET 3.N-List	1.Informatics 2.DELNET 3.INFLIBNET	1.4082 2.1420 3.80409 E-Books	One Year	Enclosed	Yes
2016-2017	1.C-405-0800 2.IM-6173 3.INF/N-LIST/2016/5746	1.J-Gate Engg. & Tech. 2.DELNET 3.N-List	1.Informatics 2.DELNET 3.INFLIBNET	1.4091 2.1420 3.125000 E-Books	One Year	Enclosed	Yes
2017-2018	1.C-405-0800 2.IM-6173 3.INF/N-LIST/2017/85063 4.IEEE94466516	1.J-Gate Engg. & Tech. 2.DELNET 3.N-List 4.IEEE	1.Informatics 2.DELNET 3.INFLIBNET 4.IEEE	1.4091 2.1420 3.125000 E-Books 4.32	One Year	Enclosed	Yes

File Description	Document
link for additional information	View Document

4.2.3 Does the institution have the following

1. *e-journals*
2. *e-ShodhSindhu*
3. *Shodhganga Membership*
4. *e-books*
5. *Databases*

Answer: Any 3 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc.	View Document

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

Answer: 33.19

4.2.4.1 Annual expenditure for purchase of books and journals year wise during the last five years (INR in Lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
34.5	36.2	35.60	28.93	30.71

File Description	Document
Audited statements of accounts	View Document
Details of annual expenditure for purchase of books and journals during the last five years	View Document

4.2.5 Availability of remote access to e-resources of the library

Answer: Yes

File Description	Document
Details of remote access to e-resources of the library	View Document
Any additional information	View Document

4.2.6 Percentage per day usage of library by teachers and students

Answer: 21.95

4.2.6.1 Number of teachers and students using library per day over last one year

Answer: 920

File Description	Document
Details of library usage by teachers and students	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Answer:

IT facilities including Wi-Fi:

- All the computers are connected through LAN and provided with Internet Facilities. WiFi Facilities has been provided in all the blocks to enable the students to connect to the Internet and Access various available Library E-Resources at ease.

- Open Wi-Fi connectivity established around the campus during 2017-2018.
- Increased LAN connectivity throughout the campus.
- Establishment of CC cameras.
- LMS accessibility extended.
- Dedicated computers are used in library for students as well as faculties.

- **Modern teaching methods in practice and use of ICT in Teaching-learning:** The ICT facilities and other learning resources are adequately available in the institution for academic purposes. Faculty members are provided with computers with internet browsing facility for preparation of teaching/learning materials in the department. Also LCD projectors, OHP's are available with all the department for the faculty's use. Lectures on various topics are available in CD format in the department. Also the faculty is provided with Audio-Visual aids which facilitate multimedia teaching.
- Each Department has separate seminar Halls which is equipped with all modern ICT facilities. Video Conferencing and Remote Access facilities are available in these seminar Halls which helps to incorporate online teaching learning process through guest lecturers from other Higher educational Institutions and also online courses. Seminar Halls are also used for various presentations by faculties and students. All

the users are made aware that the Institute electronically / manually audits all computers, registers on a regular basis. At times, random audits are also carried out.

1. **IT Service Management:**

   Public data:

- Available to public through website. No access control or identification is required.
- The data can be accessed by the public at any point of time

1. **General Administrative Data**

- Proprietary data for general administration.
- Primarily internal usage, not for external distribution e.g., student names, addresses etc. It is maintained by Student Information System.

  Protected data:

The protected data can be accessed by the authorities with the written

approval of the Principal

Email System:

- Webmail by college server is the primary e-mail service offered to Institutes' Employees.
- Webmail using the Google-apps is provided to the students.

1. **Information Security**

Institute maintains the information regarding its students, employees and other users in order to facilitate the monitoring of performance, achievements, health and safety. The information is with the college administration and within the Department.

1. **Network Security**

- The College is having internet facility with firewall security.
- In order to use the computing facilities of the Institute a person must first be registered. During registration, a username and password will be allocated. These are for the exclusive use of the person applying for use of computing facilities. Un authorized use will be restricted. Students cannot transmit or make accessible offensive, annoying, or harassing material, such as broadcasting unsolicited messages or sending unwanted mail.

1. **Risk Management**

  The institute has two fold policy to manage the risk.

- The institutional IT assets such as college website, learning services and campus automation systems will be protected against vulnerabilities, threats, likelihood loss or impact.
- Implementing the standards set by the professionals to mitigate the risk. The institute takes no responsibility to the user's data.

1. **Software Asset Management**

- It is the policy of Institute to respect all computer software copyrights and adhere to the Terms & Conditions of any license to which Institute is a party.
- All computer software acquired by the college is purchased through the approval of established procurement procedures
- Software users may not load or use any software received via email. Sharing software via email is also prohibited

4.3.2 Student - Computer ratio

Answer: 4.11

File Description	Document
Any additional information	View Document
Student - Computer ratio	View Document

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)

Answer: ≥50 MBPS

File Description	Document
Details of available bandwidth of internet connection in the Institution	View Document
Any additional information	View Document

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Answer: No

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

Answer: 93.06

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year wise during the last five years (INR in Lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
715	696	629	561	548

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	View Document
Audited statements of accounts.	View Document

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Answer:

Lab utilization:-

- In regular time table, lab hours have been allocated with respected to the lab course prescribed in the curriculum.
- Approximately 3 hrs/week lab course.
- Additional hours will be provided after the regular working hours, if necessary.
- Incubation center established for developing innovative projects by the students
- Students can access the lab after regular hours with prior permission from their respective co-ordinator / HODs
- In all computer labs installed LCD Projectors for effective learning process.
- In all laboratories every time updating advanced software and latest equipments.

Library utilization:

- Library working hours from 08:00AM to 07:00PM.
- Students can visit library at any time.
- Specifically final year's library hours has been made mandatory timing the regular class hours.
- Library will be working during holydays.

○ The students and staff can access the e-books and all information (like journals and magazines) from the Digital library within the campus.

Sports complex utilization:

○ Students will use sports complex after class hours.
○ Sports complex will be opened during holydays also.
○ Sports complex is maintained by a team Physical Education Directors and their supporting staff.

Computer center utilization:

○ Computers center can be utilized by students after getting permission from their respective HODs.

Class room utilization:

As per the time table, teaching learning process successfully done in the class rooms.

File Description	Document
Any additional information	View Document

5.Student Support and Progression
5.1 Student Support
5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Answer: 67.81

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
2301	2180	2023	1954	1950

File Description	Document
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	View Document
Upload self attested letter with the list of students sanctioned scholarships	View Document

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Answer: 0

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Number of students benefited by scholarships and freeships besides government schemes in last 5 years	[View Document](#)

5.1.3 Number of capability enhancement and development schemes –

1. *Guidance for competitive examinations*
2. *Career Counselling*
3. *Soft skill development*
4. *Remedial coaching*
5. *Language lab*
6. *Bridge courses*
7. *Yoga and Meditation*
8. *Personal Counselling*

Answer: 7 or more of the above

File Description	Document
Any additional information	[View Document](#)
Details of capability enhancement and development schemes	[View Document](#)
Link to Institutional website	[View Document](#)

5.1.4 Average percentage of students benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

Answer: 100

5.1.4.1 Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
3662	3470	3039	2893	2459

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years

Answer: 0

5.1.5.1 Number of students attending VET year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Details of of students benefited by Vocational Education and Training (VET)	View Document

5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

Answer: Yes

File Description	Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document
Details of student grievances including sexual harassment and ragging cases	View Document

5.2 Student Progression
5.2.1 Average percentage of placement of outgoing students during the last five years

Answer: 52.94

5.2.1.1 Number of outgoing students placed year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
455	587	358	288	170

File Description	Document
Details of student placement during the last five years	View Document

5.2.2 Percentage of student progression to higher education (previous graduating batch)

Answer: 41.57

5.2.2.1 Number of outgoing students progressing to higher education

Answer: 350

File Description	Document
Details of student progression to higher education	View Document

5.2.3 Average percentage of students qualifying in state/ national/ international level examinations during the last five years (eg: NET/SLET/GATE/GMAT/CAT, GRE/TOFEL/Civil Services/State government examinations)

Answer: 49.49

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/SLET/GATE/GMAT/CAT, GRE/TOFEL/Civil Services/State government examinations) year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
123	144	170	112	66

5.2.3.2 Number of students appearing in state/ national/ international level examinations (eg: NET/SLET/GATE/GMAT/CAT, GRE/TOFEL/Civil Services/State government examinations) year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
245	220	315	250	200

File Description	Document
Number of students qualifying in state/ national/ international level examinations during the last five years	View Document

5.3 Student Participation and Activities

5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) during the last five years

Answer: 47

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	16	15	16

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	View Document
e-copies of award letters and certificates	View Document
Any additional information	View Document

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Answer:

GOVERNING BODY :

The Governing Body of the college has, internal members drawn from the industry, affiliating University and experts from academic field. The Governing Body gives direction to the New Loyola Model Education Society (NLMES) was registered on 23rd August, 1979 under the act of 1350 Fs. comprising of the founders and other members.

S. No.	Name of the Member	Designation	Role
1	Dr.T. Navaneetha Rao	Former Vice Chancellor Osmania University	Chairman
2	Prof. Devi Prasad	President New Loyola Model Education Society	Member
3	Dr. S.D. Sikhamani	Vice-Chancellor A.P. Articulture	Member
4	Sri. R. Venkat Rao	Chairman New Loyola Model Education Society	Member
5	Smt. R. Indumathi	Treasurer New Loyola Model Education Society	Member
6	Sri. R. Anup Chakravarthy	Secretary and Correspondent New Loyola Model Education Society	Member
7	Capt. J. Rama Rao	Industrialist from US CAPOL Industries	Member
8	Dr. J. Nrupadesh Rao	Industrialist Chairman PENNAR Group of Industries	Member
9	UGC Nominee	Prof. R.V. Singh UGC Nominee for Autonomous Dept. of Chemistry.	Member

		University of Rajasthan, Jaipur.	
10	AICTE Nominee	The Regional Officer, SCRO of AICTE	Member
11	C. Srinath	Nominee of Technical Education, Govt. of A.P.	Member
12	Dr.B.Padmaja Rani	Asso.Prof. in CSE, JNTUH College of Engg,Hyderabad Nominee of JNTUH, Hyderabad	Member
13	Prof. K. Ashok Babu	Professor & HOD ECE Dept. Sri Indu College of Engg. & Tech.	Member Representing Teachers of the college
14	Prof. Ch.G.V.N.Prasad	Professor & HOD CSE Dept. Sri Indu College of Engg. & Tech.	Member Representing Teachers of the college
15	Dr. P. Mallesham	Principal Sri Indu College of Engg. & Tech.	Member & Convenor

Various committees

v **Academic Council**

The following faculty have been appointed as the Academic Council Members.

Sr. No.	Name	Designation & Department	Status
1	Dr. P. Mallesham	Principal	Chairman
2	Dr. N. C. Jagan	EEE, HOD	Member
3	Dr. M. Raja	Professor, CSE	Member

Sr. No.	Name	Designation & Department	Status
4	Dr. Mukunthan	ECE, Professor	Member
5	Dr.D. Madan	HOD, MECH	Member
6	Dr. Ch. G.V.N. Prasad	HOD, CSE	Member
7	Mr. K. Ashok Babu	ECE, Assoc. Prof.	Member
8	Dr. K. Venkatesh Sharma	IT, HOD	Member
9	Mr. R. Rajendra Babu	CIVIL, HOD	Member
10	Mr. M. Srinivasa Rao	MECH, Assoc. Prof.	Member
11	Dr. D. Srinivasa Rao	Professor, JNTUH	Member

*To be nominated by BOG

Frequency of Meetings: The member Convener shall, with the approval of the Principal convene the meeting of the AC at least once in a month and such other occasions as may be necessary. The member secretary shall, with the approval of the Principal prepare the agenda for the meeting. One half of the members shall constitute the quorum. However, if there is no quorum for the meeting convened up to half an hour, then the meeting shall stand adjourned to the next convenient day fixed. In the adjourned meeting, if there is no quorum for up to half an hour, the members present shall themselves constitute the quorum and conduct the meeting.

The functions of Academic Council are to:

•   Scrutinize and approve the proposals, of the Boards of Studies with regard to programmes of studies, academic regulations, curricula, scheme, syllabi and modifications thereof, instructional and evaluation arrangements, methods, procedure relevant thereto etc. If AC differs on any proposal, it shall have the right to return the matter for reconsideration to the Board of Studies concerned or reject it, after giving reasons to do so.

•   Adopt regulations regarding the admission of students consistent with the University / Government norms to different programmes of study in the College.

•   Frame regulations consistent with University norms to conduct examinations and initiate measures for improving the quality of teaching, students' evaluation and advisory system in the College.

•   Approve the list of successful candidates for the award of degree, diploma / certificate.

•   Make regulations for sports, extracurricular activities and proper maintenance of the playgrounds and hostels.

- Recommend to the BOG the proposal for instituting of new programme(s) of study.

- Make recommendations to the BOG regarding the institution of scholarships, studentships, fellowships, prizes and medals and to frame regulations for the award of the same.

- Make recommendations to the BOG on issues related to academic affairs.

- Encourage faculty members to undertake sponsored research, industrial consultancy, continuing education and related activities.

- Perform such other functions as may be assigned to it by the BOG of the institute.

- Board of Studies for each Discipline

The BOS will be reconstituted every two years.

1. **Academic Quality Assurance Committee**

Composition:

Sr. No	Name	Designation & Department	Status
1	Dr. P. Mallesham	Principal, Mechanical Dept.	Chairman
2	Dr. Ch. G.V.N. Prasad	HOD, CSE	Member
3	Prof. A.K.Jain	Professor, ECE	Member
4	Mr. M. Srinivas Rao	Associate Prof., MECH	Member
5	Prof. B. Shankara Rao	HOD, CIVIL	Member
6	Dr. N.C. Jagan	HOD, EEE	Member
7	Dr. M. Raja	Professor, CSE	Member
8	Dr. H.S.N. Murthy	Professor, ECE	Member - Convener

Meetings: Frequency of meetings: Once in a semester

Functions:

1) To define and modify, if necessary the performance indicators of the teaching-learning process.

2) To envisage the profile of U.G. / P.G. and Ph.D. students of the institute

3) To conduct the quality audit of the teaching-learning process and the profiles of students.

4) To give the inputs of audit to Dean, Academics and Dean, Student Development for further action.

1. **Examination Committee**

The college will set up a fully functional Examination Cell with a full time Controller of Examinations in place, create required space and facilities and provide him/her required support staff.

Examination Branch:-

Chief superintendent

Sr.superintendent

Supporting staff members

Non teaching staff

Examination

Internal exams   Semester End exam   ·

Two mid exams per semester   Twice in a academic year

Creation of a fully functional Exam Cell

- Create an autonomous cell for examinations and fill positions of Controller of examination and additional assistants and support staff such as computer operators, DEOs, helpers
- Provide office space and space for storing confidential papers
- Creating an examination cell and a confidential secure computerized exam administration system, registration and records system, printing unit
- Set up a mechanism with the assistance of the Academic Advisory Body and Departmental faculty for QP setting, answer sheet evaluation, auditing, revaluation etc to bring in proper accountability and confidentiality
- Establish a system of formative and summative tests
- Create a roster of experts for setting examination papers and evaluating them
- Develop accountability mechanism to ensure transparency and strict adherence to quality so that autonomy is not misused while assessing student competencies.
- The following institutional arrangements will be followed for the implementation of the scheme:

1. **Examination Committee**

The college will set up a fully functional Examination Cell with a full time Controller of Examinations in place, create required space and facilities and provide him/her required support staff.

Examination Branch:-

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- Create an autonomous cell for examinations and fill positions of Controller of examination and additional assistants and support staff such as computer operators, DEOs, helpers
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- Establish a system of formative and summative tests
- Create a roster of experts for setting examination papers and evaluating them
- Develop accountability mechanism to ensure transparency and strict adherence to quality so that autonomy is not misused while assessing student competencies.
- The following institutional arrangements will be followed for the implementation of the scheme:

1. **Disciplinary Committee**

Composition:

S.No	Name	Designation & Department	Status
1.	Dr. P. Mallesham	MECH	Chairman
1.	Dr. M. Raja	CSE	Member

1.	Dr. N.C. Jagan	EEE	Member
1.	Dr. H.S.N. Murthy	ECE	Member
1.	Dr. K. Venu Gopal	CIVIL	Member
1.	Dr. Ch.G.V.N. Prasad	CSE	Member
1.	Mr. L. Satyanarayana	Administration Officer	Member
1.	Mrs. N. Shailaja	H&S	Member
1.	Mr. Shiva Kumar	EEE	Member
1.	Prof. K. Ashok Babu	ECE	Member – Convener

Functions of Disciplinary Committee

- To monitor and maintain discipline in the campus
- To implement provisions of Anti Ragging Act
- To recommend disciplinary actions as deemed necessary

Frequency of meetings: as and when required

1. **Purchase Committee**

Composition:

Sr.No	Name	Department	Status
1.	Dr. P. Mallesham	MECH	Chairman
1.	Dr. M. Raja	CSE	Member
1.	Dr. N.C. Jagan	EEE	Member

1.	Dr. H.S.N. Murthy	ECE	Member
1.	Dr. K. Venu Gopal	CIVIL	Member
1.	Dr. Ch.G.V.N. Prasad	CSE	Member
1.	Mr. L. Satyanarayana	Administration Officer	Member
1.	Mrs. N. Shailaja	H&S	Member
1.	Mr. Shiva Kumar	EEE	Member
1.	Prof. K. Ashok Babu	ECE	Member – Convener

Functions of the Purchase Committee:

- To prepare guidelines and devise general system for procurements of materials, equipments and items for the Institution
- To coordinate all the purchases of various Departments and ensure the procurement of required items as per schedule
- To finalize annual maintenance contracts as per requirement

- To carry out discussions and negotiations with suppliers and procure the best quality items at competitive price.
- Meetings: Frequency of meetings: as required

1. **Institution Development Committee**

Composition:

S. No	Name	Department	Status

S. No	Name	Department	Status
1.	Dr. P. Mallesham	Principal & MECH	Chairman
1.	Dr. Ch. G.V.N. Prasad	HOD & CSE	Member
1.	Prof. A.K.Jain	Professor & ECE	Member
1.	Mr. B. Shankara Rao	Professor & CIVIL	Member
1.	Dr. N.C. Jagan	Professor & EEE	Member
1.	Dr. H.S. Murthy	Professor & ECE	Member
1.	Dr. M. Raja	Professor & CSE	Member
1.	Mr. Samuel	Associate Prof. & IT	Member
1.	Mr. M. Srinivas Rao	Associate Prof. & MECH	Member
1.	Dr. Subrahmanyam	Professor & PHYSICS	Member
1.	Mr. Ramana Murthy	Associate Prof. & MECH	Member
1.	Dr. A. Rama Krishna Rao	DAE	Member – Convener

Functions of Institutional Development Committee:

- To prepare detailed plan of the activities to be undertaken for academic year as advised by Governing Body.
- To ensure smooth functioning of the Institution by coordinating all the activities of different Departments and Committees.
- To devise mechanism for career growth and assess requirement of staff
- To review the administrative policies for progress of the institution
- To prepare feedback of ongoing activities and forward it to BOG
- Frequency of meetings: Once in a Semester

1. **Library Committee**

Composition:

S.No	Name	Department	Status
1	Dr. P. Mallesham	MECH	Chairman
2	Mr. Dayakar Reddy	Librarian	Member
3	Mr. B.Ch. Venkat Reddy	H&S	Member
4	Mrs. N. Shailaja	H&S	Member
5	Dr. A.S. Bhanu Prasad	H&S	Member
6	Mrs. Ch. Vineela	IT	Member
7	Mr. Ch. Naga Raju	MECH	Member
8	Prof. B. Murali Manohar Rao	CIVIL	Member
9	Dr. H. Suryanarayana Murthy	ECE	Member
10	Ms. C. Vindhya	Student, CSE-IV	Member
11	Mr. Pradyumna	Student, ECE-IV	Member
12	Dr. N.C. Jagan	EEE	Member - Convener

Functions of Library Committee:

- To prepare a budget for books needed by each Departments and forward it to Finance Committee
- To procure text books in adequate number well in advance before the start of semester in consultation with Academic Committee
- To add more titles every year in consultation with respective departments
- To enrich the library by procuring leading national / international journals.
- To procure quality audio and video library literature.
- To have a tie up with IIT libraries, and reputed libraries in the state.
- To provide book-bank facility to students.

Frequency of meetings: Monthly

1. **Grievance Redressal Committee**

Composition:

S.No	Name	Designation & Department	Status
1.	Dr. P. Mallesham	Principal & MECH	Chairman
1.	Dr. Ch. G.V.N. Prasad	HOD of CSE	Member
1.	Dr. H.S.N. Murthy	Professor of ECE	Member
1.	Dr. M. Raja	Professor of CSE	Member
1.	Dr. A. Ramakrishna Rao	Dean of Academic & Affairs	Member - Convener

Functions of Grievance Redressal Committee:

- Receive written complaints from students regarding any kind of academic grievances and suggest appropriate remedies
- Forward recommendations to the Principal for consideration

Frequency of meetings : as and when required

1. **Anti Sexual Harassment Committee (ASH):**

Composition:

S.No	Name	Department	Status
1.	Dr. P. Mallesham	MECH	Chairman
1.	Mrs. N. Shailaja	H&S	Member
1.	Mrs. Ch. Vineela	IT	Member
1.	Mrs. Kranthi Kumari	H&S	Member
1.	Mr.L. Satyanarayana	AO	Member
1.	Dr. A. Ramakrishna Rao	Dean of Academic & Affairs	Member -Convener

Functions of Anti Sexual Harassment Committee:

- To build self – esteem & dignity among girl students and women faculty members.
- To offer services such as counseling, legal aid in case of harassment of women

- To create awareness regarding women rights
- To arrange programs regarding health, personality development etc.
- To examine complaints, if any and recommend appropriate remedial measures.

Frequency of meetings: as required

1. **Anti Ragging Committee :**

The college has Anti-ragging Committee to solve the various ragging problems of the students.The college has set up an anti-ragging committee in this direction. It comprises of the Head of the Institution and all the Head of Departments, Physical Director, Placement Officer, Administrative Officer. Freshers Trimble, Parents Shiver and Managements Puzzle at very word of Ragging. Ragging has become synonymous with Teasing,

Terror, Harassment, Cruelty, fear and tarcher.Ragging in India commonly involves serious abuses and clear violations of human rights. The University Grants Commission has made it mandatory for the institutions to incorporate in their prospectus, the anti-ragging directions of the Central Government.With the situation of ragging worsening yearly, there is emerging a spontaneous anti-ragging movement in India. The college is also very cautious regarding this menace. Faculty members, assigned to check the students, make surprise visits and maintain a diary of his/her interaction with the fresher's. Till date, no incident of ragging of any kind has been reported in the college.It is a Ragging free campus.The Institution has displayed the posters and sign boards and Bill boards about the effects and its punishments and prohibition of Ragging and consequences of Ragging involvement as per Ragging Act. 26, 1997.The Institution has appointed Anti-ragging Committee, Special Squads and Secrete Vigilance Committee to curb ragging.The Institution also erected suitable hoardings showing evil effects and imprisonment of ragging in prominent places within the campus to prevent Ragging.the Institution obtains affidavits from every students, Parent, Guardian separately as per class 5, sub clause 3 and 4 of AICTE regulations.

S.No	Name	Desig. & Department	Status
1	Dr. P. Mallesham	Principal & MECH	Chairman
2.	Dr.A.Ramakrishna Rao	Dean & English	Member
3.	Prof K.Ashok Babu	HOD & ECE	Member
4.	Prof GVN.Prasad	HOD & CSE	Member
5	Prof M. Shiva Kumar	HOD & EEE	Member
6	M.Srinivasa Rao	HOD & MECH	Member
7	Mr. S.B.Shankar Rao	HOD & CIVIL	Member
8	Mr.L. Satyanarayana	AO	Member
9	Mr.Sambasiva Rao	PD	Member
10	Mr. M Narsimha	PD	Member
11	Mr.A.Trimurthulu	PRO	Member
12	Mr.M Subhankar	STUDENT (MECH)	Member
13	Mr.G Vamshi	STUDENT (AE)	Member
14	Mr.M Bharath Kumar	STUDENT (CSE)	Member
15	Mr.P Archana	STUDENT (IT)	Member
16	Mr.G Satyanarayana	STUDENT (ECE)	Member
17	Mr. B Varsha	STUDENT (EEE)	Member

File Description	Document
Any additional information	View Document

5.3.3 Average number of sports and cultural activities / competitions organised at the institution level per year

Answer: 6

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
6	6	6	6	6

File Description	Document
Report of the event	View Document
Any additional information	View Document
Number of sports and cultural activities / competitions organised per year	View Document

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Answer:

Response:
Alumni of 2004-2009 batch donated Rs 50000/- in the year 2013 for the purpose of developing the laboratories.
Alumni of 2006-2010 batch contributed Rs 100000/- in the year 2014 for the purpose of developing the library and placements for students.
Alumni of 2010-14 batch donated Rs 200000/- in the year 2017 for the purpose of developing the laboratories

- Besides financial contributions, the Alumni as and when they visit the college, interact with the students by providing guest lectures.
- They also provide guidelines to the students for better career and give the information about the latest industry requirements.
- Alumni provides help in placements.

5.4.2 Alumni contribution during the last five years (Amount in rupees)

Answer: 5 Lakhs - 10 Lakhs

File Description	Document
Alumni association audited statements	View Document

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

Answer: 5

5.4.3.1 Number of Alumni Association /Chapters meetings held year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	1	1	1

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years.	View Document
Any additional information	View Document

6.Governance, Leadership and Management
6.1 Institutional Vision and Leadership
6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution

Answer:

VISION

To evolve into a center of excellence in Science and Technology through creative and innovative practices in teaching & learning, towards promotion of academic achievement & research excellence to produce globally accepted, competitive and world class professionals who are psychologically strong and emotionally balanced imbibed with social consciousness and ethical values.

MISSION

To provide high quality academic programmes, training activities, research facilities and opportunities supported by continuous industry – institute interaction aimed at promoting employability, entrepreneurship, leadership and research aptitude among students and contribute to the economic and technological development of the region, state and Nation. To encourage merit of the students by offering Gold Models for Toppers and awarding cash praises for class wise. To develop the Institute into Deemed University.

Quality improvement strategies adopted by the institution to meet Vision and Mision are
Curriculum Development

- Required inputs will be taken from various stake holders like companies that visit for placements, experts that visit the college on various occasions, alumni, etc. these inputs are discussed at length in BOS and finalized appropriately.
- A course end survey is conducted at the end of every course and necessary measures are taken. The results of mid exams are mapped with Course Outcomes and the achievement levels are indexed.
- Planned cycles of curriculum review.
- Linking faculty development programs to curriculum design delivery.
- Creating assessment plan and procedures to determine curriculum effectiveness.
- A frame work for optimising local, state and nation standards in curriculum.
- Monitoring curriculum delivery.

Teaching and Learning

- Lesson plan will be prepared in every course and instruction will be delivered adhering to the academic plan. Lesson diary is recorded in the class student attendance register. Instead of listening to the teacher exclusively, students and teachers interact equally.
- Empowering innovation, experimentation and creativity by teachers to effectively utilise new methods of ICTs.
- Designing and conducting bridge courses to help students understand and assimilate institute teaching learning practices.

Research and Development

- Periodical FDPs are organized to encourage in research work.
- Faculty members are encouraged and supported to publish papers and also present papers in conferences and journals with high impact factor through incentives like travel reimbursement, funding and awards.
- Modernising laboratories with equipments and tools needed for research and product development.
- Involving students in minor and major research projects.

Library, ICT and physical infrastructure / instrumentation

- The library has a collection of good number of books meeting the requirement of students and faculty. New titles and volumes of text books are added every year continuously, by allocating required budget to procure books and e-journals.
- Information and Communication Technology has been made an integral part of teaching learning process by converting some of the conventional class rooms into e-class rooms. These rooms have been equipped with LCD projectors, digital boards and audio systems.
- Faculty chambers are provided computers with internet facility.

Industry Interaction / Collaboration
The management and departments strive to enter into MoUs with the industries to provide summer internships & projects
Interaction with industry helps to provide industrial visits and research.

File Description	Document

| Link for Additional Information | [View Document](#) |

6.1.2 The institution practices decentralization and participative management

Answer:

The institution practices decentralization and participative management

Decentralization of administration is shown in organization chart.

The Principal of the institution collaborate with different sections/departments and personnel to improve the quality of its educational provisions using the following procedure:

The Institute is following Academic Calendar and it is being finalized in consultation with principal, Head of Departments, Controller of Examinations, and senior faculty and physical director covering all academic activities e.g. commencement of classes, internal examinations, various committee meetings, end semester examinations, technical festival and sport activities etc. This printed academic calendar is circulated to all teaching staff, nonteaching staff and students.

The management, Principal and Head of the departments meet frequently to review plans and update academic and administrative matters. Performance of the departments is discussed in meetings of Head of Departments. The information discussed and decisions of management are communicated to the staff of the institution through departmental meetings by head of the respective departments. Principal also communicate this information to the staff using circulars.

The management get the information from Academics Branch, Examination Branch, Administration Branch, Accounts & Audit Branch, head of the departments, teaching staff and non teaching staff to review the activities of the institution.

Management encourages and supports the staff in the decision-making process for improvement of the effectiveness and efficiency of the institute. Principal of the College is the member of the governing body which is highest decision making body. The Faculty is appointed as members of various committees for the college.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Answer:

Perspective / Strategic Plan and deployment documents are available in the institution

Yes, the governing body specifies the perspective plans to the administrative authorities to develop the institution in time to time. Based on this, administrative authorities developed Entrepreneur development cell is being promoted the institutional mechanism to create entrepreneur culture in science and technology of academic institutions and to foster the techno entrepreneurship for generation of wealth and employment by science and technology students.

Internal Quality Assurance Cell (IQAC) develops the system conscious, consistent and catalytic action to improve the academic and administrative performance of the institution committees for achieving the academic excellence in the field of technical education and personality development. Various committees are formed and given their specified targets in respective fields. The strategic plan is proposed by the Academic Council of College in the fields of course programs, research projects, infrastructural development, Human relations, placements and alumni relations.

Research and Development cell promotes continuously on research work in all branches and encourage the students on publishing of papers in reputed conferences and journals. They are encouraging the staff and students to conduct conferences and workshop to create the awareness and opportunities in respective fields.

Academic council of the College advised to improve the existing facilities in laboratories, in view of this CAD / CAM lab of Mechanical / Civil Engg dept was purchased AUTOCADD and STRAD PRO softwares. With usage of these softwares, faculty members in Civil Engineering department are able to prepare architectural drawings, analysis and design of all proposed buildings. They successfully completed four new projects and one renovated project in the organization.

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Answer:

GOVERNING BODY :

The Governing Body of the college has, internal members drawn from the industry, affiliating University and experts from academic field. The Governing Body gives direction to the New Loyola Model Education Society (NLMES) was registered on 23rd August, 1979 under the act of 1350 Fs. comprising of the founders and other members.

S. No.	Name of the Member	Designation	Role
1	Dr.T. Navaneetha Rao	Former Vice Chancellor Osmania University	Chairman
2	Prof. Devi Prasad	President	Member

		New Loyola Model Education Society	
3	Sri. R. Venkat Rao	Chairman New Loyola Model Education Society	Member
4	Smt. R. Indumathi	Treasurer New Loyola Model Education Society	Member
5	Sri. R. Anup Chakravarthy	Secretary and Correspondent New Loyola Model Education Society	Member
6	Dr. A. Ramakrishna Rao	Director, Academics & Evaluation Sri Indu College of Engg. & Tech.	Member
7	Prof. R.V. Singh	UGC Nominee	Member
8	Dr.B.Padmaja Rani	Asso.Prof. in CSE, JNTUH College of Engg,Hyderabad Nominee of JNTUH, Hyderabad	Member
9	Prof. K. Ashok Babu	Professor & HOD ECE Dept. Sri Indu College of Engg. & Tech.	Member Representing Teachers of the college
10	Prof. Ch.G.V.N.Prasad	Professor & HOD CSE Dept. Sri Indu College of Engg. & Tech.	Member Representing Teachers of the college
11	Mr. L. Satyanarayana	Administrative Officer, Sri Indu College of Engg. & Tech.	Member
12	Dr. P. Mallesham	Principal Sri Indu College of Engg. & Tech.	Member & Convenor

File Description	Document
Any additional information	View Document

6.2.3 Implementation of e-governance in areas of operation

    1. Planning and Development
    2. Administration
    3. Finance and Accounts
    4. Student Admission and Support
    5. Examination

Answer: All 5 of the above

File Description	Document
Details of implementation of e-governance in areas of operation Planning and Development,Administration etc	View Document

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Answer:

Disciplinary Committee

Functions of Disciplinary Committee

- To monitor and maintain discipline in the campus
- To implement provisions of Anti Ragging Act
- To recommend disciplinary actions as deemed necessary

Purchase Committee

Functions of the Purchase Committee:

- To prepare guidelines and devise general system for procurements of materials, equipments and items for the Institution
- To coordinate all the purchases of various Departments and ensure the procurement of required items as per schedule
- To finalize annual maintenance contracts as per requirement

- To carry out discussions and negotiations with suppliers and procure the best quality items at competitive price.

Institution Development Committee

Functions of Institutional Development Committee:

- To prepare detailed plan of the activities to be undertaken for academic year as advised by Governing Body.
- To ensure smooth functioning of the Institution by coordinating all the activities of different Departments and Committees.
- To devise mechanism for career growth and assess requirement of staff
- To review the administrative policies for progress of the institution
- To prepare feedback of ongoing activities and forward it to BOG

Library Committee

Functions of Library Committee:

- To prepare a budget for books needed by each Departments and forward it to Finance Committee
- To procure text books in adequate number well in advance before the start of semester in consultation with Academic Committee
- To add more titles every year in consultation with respective departments
- To enrich the library by procuring leading national / international journals.
- To procure quality audio and video library literature.
- To have a tie up with IIT libraries, and reputed libraries in the state.
- To provide book-bank facility to students.

Grievance Redressal Committee

Functions of Grievance Redressal Committee:

- Receive written complaints from students regarding any kind of academic grievances and suggest appropriate remedies

- Forward recommendations to the Principal for consideration

Anti Sexual Harassment Committee (ASH):

Functions of Anti Sexual Harassment Committee:

- To build self – esteem & dignity among girl students and women faculty members.
- To offer services such as counseling, legal aid in case of harassment of women

- To create awareness regarding women rights
- To arrange programs regarding health, personality development etc.
- To examine complaints, if any and recommend appropriate remedial measures.

Anti Ragging Committee :

The college has Anti-ragging Committee to solve the various ragging problems of the students.The college has set up an anti-ragging committee in this direction. It comprises of the Head of the Institution and all the Head of Departments, Physical Director, Placement Officer, Administrative Officer.

Advisory Committee

- Plans the academic schedule in accordance with the academic

Calendar given by College

- Plans the execution of mini and major projects
- Supervises recruitment process in the department
- Plans the budget in the department
- Plans the event calendar for every year

Examination Cell

- To form an internal sub-committee for the distribution of question papers in the examination halls and the answer scripts after the examinations to the faculty concerned

- To maintain records regarding the External examinations like attendance particulars, invigilation duties supporting staff etc.,

Frequency of meetings: as and when required

File Description	Document
Any additional information	View Document

6.3 Faculty Empowerment Strategies
6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Answer:

Health Center:

The Institute has its own Health Center to provide necessary medical aid to the students and staff in the campus. There are Two Doctors and One Nurse. Specialists are also visiting the Health Center to provide consultation to the inmates. To meet the emergency, an ambulance is available in the institute. Medicines are provided at Free of cost. The College has got MOU with Ankitha Hospital also

Free Transportation Facilities:

The Institute transport facilities include 36 buses (52 seater), 02 staff cars, 01 ambulance, and 1 tractor. The buses are provided to near by places to make it convenient for the students coming from these areas. Buses leave the college in various timings to make it convenient for the students to utilize the Library and Internet facilities in the college.

Book stores and Canteen:

College stores and Canteens are available in the campus to cater the needs of the residents of the Institute. Subsidized rates for staff are provided in the canteen

Other facilities provided by the administrative authorities

- Maternity leaves as per the norms.
- Paid leave for curriculum course work who are perusing Ph.D.
- TA and DA provisions for faculty development programs.
- EPF and Group Insurance are provided.
- Fee concession for Faculty children.
- Two Bank ATMs (Andhra Bank, HDFC) are provided in the Campus

6.3.2 Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years

Answer: 21.86

6.3.2.1 Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
102	86	72	35	25

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc. during the last five years	View Document

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Answer: 15.6

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
21	22	21	9	5

File Description	Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	[View Document](#)

6.3.4 Average percentage of teachers attending professional development programmes viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programme during the last five years

Answer: 27.35

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
100	85	90	65	50

File Description	Document
Details of teachers attending professional development programs during the last five years	[View Document](#)
IQAC report summary	[View Document](#)

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Answer:

The Performance Appraisal for teaching staff is obtained based on the following criteria.

- Work Experience.
- Education qualification.

- Teaching and Learning Activities such as Subjects taught, Course material preparation and Innovative teaching -learning methodologies.
- Co-curricular and Professional Development Activities.
- Research papers published in referred journals as notified by UGC.
- Students Feedback.
- Contribution to corporate life.
- Classroom teaching and Examination duties.

Performance factor for Non-Teaching staff are

- Command of all assigned work duties and responsibilities.
- Cooperates with co-workers.
- Accepts direction from his/her supervisor.
- Performs the work assignment with a minimum of supervision.
- Is punctual, reliable, and has good attendance habits.
- Completes his/her work in a timely manner
- Decision making and problem solving.
- Human resourse management.
- Employees skill level.
- Effective ness in listening to others.
- Employee responsive ness

File Description	Document
Any additional information	View Document

6.4 Financial Management and Resource Mobilization
6.4.1 Institution conducts internal and external financial audits regularly

Answer:
Yes, The College has a internal academic audit cell to scrutiny of every financial transactions took
place for purchasing the various items in respective departments.

Further the following committees are formed for internal auditing purpose.
1.Finance Committee.
2.Management Committee.

Every financial year budget proposals including Income & Expenditure details being submitted by the
college to the governing body for their consideration and approval.

The proposals are made on different heads such as laboratory equipment, library expenses, salary payments, building infrastructure and other maintenance expenses.

In the college there is an internal (Financial Committee) constituted which would examine the budget proposals, receipts, bills and vouchers and supporting documents for the year. The financial committee after the scrutiny they may advice concerned departments for any possible improvement.

External:

The College has submitted the budget proposals and income & expenditure statements to the Audit Committee for the necessary audit.

External Audit Committee has visited the college for the purpose of verification of income & expenditure details and committee will authorize the income & expenditure account for that particular financial year.

Audit Objections:

There are two major areas in our college where audit objections are expected. These are in the case of a) The Computer & Software, Due to rapid technological advancements in the field of computer systems & software the existing equipment is getting obsolescent very fast requiring changes in the systems configurations/versions for their up gradations. Because of this fact college has been requesting the audit committee to revise the depreciation applicable for this fixed asset which would reflect realistic worth of these fixed assets.

b) Library Books, Learning Resources and Equipments. As our college is affiliated to JNTU the curriculum is normally being revised with a frequency of 2-3 years. Hence the library books, learning resources and lab equipment is getting absolute because of the revision of syllabus. To-accommodate this rate of depreciation needs to be enhanced significantly to meet the requirement.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III)

Answer: 0

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropists year wise during the last five years (INR in Lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	**View Document**

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Answer:

The institution always monitors the effective and efficient use of available financial resources for the infrastructural development and teaching learning process. Each and every paisa spent for the development is properly auditable by the charted accountant.

Authorities guide and encourage faculty to submit proposals for research grants.

- All the expenses are met from the student tuition fees and other resources like UGC grants.
- Alumni have donated funds for the development of college and are solicited to donate liberally.

Funds are also obtained from student's examination fee.

As our college is self financing institution, affiliated to JNT University, Hyderabad. We get the income mainly from tuition fee receipts, as fixed by State Government of Andhra Pradesh. The college is also receives amount through bank loans to meet the expenditures for running the institutions.

The expenditure mainly consists of salary payments, laboratory infrastructure & building infrastructures and maintenance. For meeting the expenses if there is any deficit of funds, the same is met by the funding from New Loyola Model Educational Society which runs our institutions.

OBJECTIVES:-

- Ensures growth and development in a planned and phased manner.
- Stakeholders are taken into account sustainability as a major concern at every level.
- We design every plan to suit the vision and objectives of the Institution.
- Provide for periodic strategic planning for mobilization, allocation and utilization of resources.

STRATEGIES:-

- The Institution should be financially viable from inception.
- Develop infrastructure through fundraising (Foundations, Individuals).

- Manage maintenance and operational costs through fees.
- Parallel models of planning for sustainability for the Institution.

THE PROCESS OF PLANNING FOR SUSTAINABILITY:-

- Strategic Planning Committee & Strategy Retreats.
- Governing Bodies of Sponsors and of the Institution.
- For matters relating to Policy.
- Board of Management of the University for Operational Matters.
- Board of Management and Academic Council of the Institution for academic matters.

STRATEGIES TO DEVELOP ALTERNATE CHANNELS OF FUNDS GENERATION:-

- Develop an investment plan for the funds at the disposal of the Institution.
- Maximize returns from use of the infrastructure of the Institution.
- Maximize opportunities for returns from outsourcing utilities and services.
- Maximize returns from the land at the disposal of the Institution.

FUNDING RESOURCES:- Ground rules, Sources.

- Depend mainly on fundraising for capital expenses and infrastructure.
- Depend on fees for running expenses, maintenance and normal development and expansion.
- Provisions made for cross subsidy of non-viable but socially relevant courses.

6.5 Internal Quality Assurance System
6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Answer:

1. **IQAC is constituted to undertake the following quality assurance strategies and process issues.**

1. Identify the processes needed
2. Determine the sequence and interactions
3. Determine criteria and methods needed
4. Ensure availability of requisite information and resources
5. Measure, monitor and analyze
6. Ensure, achieve planned results and improvement.
7. Suggest modifications to academic regulations & Curriculum syllabus.
8. Post pedagogic execution audit by statutory bodies like NBA, AICTE, APSCHE and university committees

9. Ascertaining the social and industrial relevance of a particular course to be introduced.

It monitors

1. Recording attendance for every class in the first five minutes
2. Instant consolidation of attendance in the registers.
3. Entering subject wise attendance through software developed for the purpose.
4. Posting of letters to the parents of the students for shortage or otherwise of attendance.
5. Displaying the attendance.
6. Asking students to submit medical certificates immediately after reporting to college if the absence is on medical grounds.
7. Ascertaining the genuine nature or otherwise of the certificates submitted.

Penal action stipulated for those that do not conform to the set norms in vogue.

Yes, the College has established an Academic audit cell to audit its departments. The Academic audit is a regular feature in for continuous monitoring of the students academic performance over and above the college, the affiliating university regularly monitors the performance regularly.

1. Monthly students attendance.
2. Internal Exam Marks.
3. Semester Internal Marks.
4. Semester end exam marks.
5. Semester wise performance and comparison with other University affiliated colleges.
6. Every Year Conferences and Seminars organized by the Institution as students participating in other institutions.

As measure of our good academic practices, the institution is accredited by NBA, New Delhi

As per academic audit cell recommendations the following measures are taken to improve the teaching, learning and evaluation process.

- Lesson plans are prepared and reviewed thoroughly for including practical tasks.
- Learner centric interaction is implemented to make the student to be proactive and dynamic.

Advanced audio/visual teaching aids are provided in more than 25% of the class rooms

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

Answer:

Yes, The institution regularly collects students feedback and evaluates the teaching ability of faculty and advices as their shortcomings.

- The college has constituted an Academic Audit Cell (AAC) to review the teaching learning process and all developmental activities.
- Head of the department separately evaluates the performance of the faculty.
- Performance of the students is continuously evaluated by the dept.
- Separate students counseling is available which advices each students separately.
- Detailed subject-wise lecture notes is required to be prepared by each faculty members.

Lab manuals are prepared by the institution and made available to the student.

The number of e-class rooms is increased and number of faculty using the ICT facility is increased. Lesson plan will be prepared in every course and instruction will be delivered adhering to the academic plan. Lesson diary is recorded in the class student attendance register. Instead of listening to the teacher exclusively, students and teachers interact equally. Empowering innovation, experimentation and creativity by teachers to effectively utilize new methods of ICTs. Designing and conducting bridge courses to help students understand and assimilate institute teaching learning practices. IQAC examines various aspects of Teaching Learning process and suggests various modes for improvement by taking the inputs inform of feedback and advises to implement them and reviews periodically. Setting instruction quality attributes help teachers to deliver subject content efficiently. Setting learning quality attribute help students in learning process. Feedback system systemizes the monitoring. Grades in examination and co-curricular and extracurricular activities of students are direct and indirect means of teaching and learning process.

To continuously review the teaching-learning process, a central body viz the Academic Council of the College has been established. This is a statutory body fulfilling the requirement of autonomy. It regularly monitors and reviews teaching and learning process. It is having all the Heads of the Departments and senior faculty as members and principal as its chairman. The council meets frequently and takes decisions regarding all academic matters. It also approves and ratifies the decisions of the Boards of Studies. Besides the college academic council several committees are also engaged in reviewing the teaching-learning process continuously.

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Answer: 2.6

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

Answer:

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |

4   3   2   2   2

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	View Document
Any additional information	View Document
IQAC link	View Document

6.5.4 Quality assurance initiatives of the institution include

1. *Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements*
2. *Academic Administrative Audit (AAA) and initiation of follow up action*
3. *Participation in NIRF*
4. *ISO Certification*
5. *NBA or any other quality audit*

Answer: Any 3 of the above

File Description	Document
Details of Quality assurance initiatives of the institution	View Document
e-copies of the accreditations and certifications	View Document

6.5.5 Incremental improvements made during the preceding five years (in case of first cycle)

Post accreditation quality initiatives (second and subsequent cycles)

Answer:

The Institution got the UGC autonomy. IQAC constituted recently to perform the various activities stipulated under its functions. The Institution has a mechanism to record the incremental academic growth of the students admitted from the disadvantaged sections. For every twenty students in the class a counselor is allotted. Teacher counselors record in the counseling register a comment on his/her incremental academic growth. The institution has a mechanism to check and record the marks secured by the disadvantaged sections of the students.

For the slow learners remedial and need based coaching will be offered. For such students special coaching and model question papers are provided. The student grievance cell addresses their needs and provides extra facilities.

IQAC contributed to institutionalizing quality assurance strategies and processes in :

1. Syllabus review and up gradation

2. Improvement of evaluation process

A central body within the College to continuously review the teaching learning process of its structure, methodologies of operations and outcome

The institution regularly collects students feedback and evaluates the teaching ability of faculty and advices as their shortcomings.

- The college has constituted an Academic Audit Cell (AAC) to review the teaching learning process and all developmental activities.
- Head of the department separately evaluates the performance of the faculty.
- Performance of the students is continuously evaluated by the dept.
- Separate students counseling is available which advices each students separately.
- Detailed subject-wise lecture notes is required to be prepared by each faculty members.
- Lab manuals are prepared by the institution and made available to the student.

Faculty development programme, orientation program and workshop have been conducted for the faculty members to enhance knowledge on technology up gradation. Training for faculty, staff and students on latest tools. Workshops on digital transactions. Creating assessment plan and procedures to determine curriculum effectiveness. A frame work for optimising local, state and nation standards in curriculum. Involving students in minor and major research projects. Establishing inter disciplinary research groups that work on product development. The library has a collection of good number of books meeting the requirement of students and faculty. New titles and volumes of text books are added every year continuously, by allocating required budget to procure books and e-journals. Information and Communication Technology has been made an integral part of teaching learning process by converting some of the conventional class rooms into e-class rooms. These rooms have been equipped with LCD projectors, digital boards and audio systems. All the departments and divisions are continuously appended with additional physical infrastructure regularly when ever required and also based on the inputs taken from the stakeholders through feedback. Faculty chambers are provided computers with internet facility. Providing digital infrastructure for teaching, learning and collaboration.

7.Institutional Values and Best Practices
7.1 Institutional Values and Social Responsibilities
7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Answer: 7

7.1.1.1 Number of gender equity promotion programs organized by the institution year wise during the last five years

Answer:

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |

2 2 1 1 1

File Description	Document
List of gender equity promotion programs organized by the institution	**View Document**

7.1.2 Institution shows gender sensitivity in providing facilities such as
a) Safety and Security
b) Counselling
c) Common Room

Answer:

GENDER EQUALITY:

Enough is enough. There are genuine reasons why half of all the girls in India don't want to be girls, and it's time to change.

This prompts us to seriously ponder on the issue of gender equality in the present times. Now the question remains: what will the educational institutions do to improve the status of girls and women?

The fight for "women's rights" is one that has crossed time and space – penetrating countries and cultures, developing and developed alike. Amartya Sen argued that "inequality between women and men is not everywhere the same" – that is to say, that gender disparity is multi-faceted and complex, taking on different unique histories and outcomes within different contexts. Calling for global priority of the education of women, world leaders and development policymakers often tout women as the greatest untapped resource of the developing world.

Engineering is generally regarded as a "men's sphere," and women in engineering are underrepresented everywhere, including India. However, recent years have witnessed a tremendous increase in the enrollment of women in undergraduate engineering education in India. Traditionally, women in India have shied away from engineering and related fields. However, recent trends suggest more and more females participating in the growing technology sector in India. Although this new interest might open new opportunities for females as well as Indian economy, research on women in engineering in India still remains scarce. Women have long been fighting to be recognized in the same light as men.

The institution has Anti Sexual Harassment Committee for Prevention of Sexual harassment of Women, which looks after the issues pertaining to women in particular. This Committee is capable of dealing the cases (if any) very confidently with its team of Principal, functional head of the committee and a few women faculty members. The committee also conducts different activities to encourage women to fight against any kind of injustice resulting from gender bias.

- It can be stated with due pride that in the institution the incidents of sexual harassment of women students are nil due to the discipline on the campus.
- The campus is proved to be very secure due to its well-maintained security system. Separate hostels for girls with good security.
- The institution is very concerned about health and security and thus provided with ambulance to attend any kind of emergency 24/7. A health Centre with a qualified Doctor and full time Nurses are available to offer medical care for minor issues and first aid.
- Women workshops are organized quite often for stress free life by the selected resource persons.
- Faculty Counsellors always available to counsel the girl students.

- Sick room for girl students with required medical facilities.
- Common rooms exclusively for girl students are provided in each block.
- Students in the hostels have to follow strictly the rules displayed in their notice boards.
- Outings are allowed only once in a week that too after taking the consent of the parents over phone.

7.1.3 Percentage of annual power requirement of the Institution met by the renewable energy sources

Answer: 0

7.1.3.1 Annual power requirement met by renewable energy sources (in KWH)

Answer: 0

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	View Document

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Answer: 48.38

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Answer: 12540

File Description	Document
Details of lighting power requirements met through LED bulbs	View Document

7.1.5 Waste Management steps including:
- *Solid waste management*
- *Liquid waste management*
- *E-waste management*

Answer:

The college at its own level has taken up certain preventive measures to check the various wastes. The wastes may be solid wastes, liquid waste and e- waste.

Solid waste management: The solid waste may be generated by construction and demolition buildings, sheds, trees etc. Officially the building debris is expected to be dumped in pre designated dumping area. . The dead leaves and the waste papers are not allowed to be put on fire. The leaves are buried in the soil itself. There are shredding machines to cut the waste paper into pieces. Some waste papers are disposed off. The vegetable waste in the hostel, canteen and hazardous materials are disposed regularly through trucks to keep the campus clean and neat.

The college has an agreement with the company which charges very nominally and in turn they visit the campus once or twice a week to collect the waste from the science laboratories.

Liquid waste management : The college has made arrangements for parking vehicles in a separate shed. The students park their vehicles at the college gate in the parking place provided by the college in order to keep the college environment pollution free. This helps in keeping the campus clean as much as possible. The college has taken up preventive measures to check the emission of carbon-dioxide. Waste materials are off in dumping grounds of Campus. The waste water from toilets is recycled and used for campus irrigation. The waste water of labs is used for plants.

E-waste management: The college is 16 years old one. The computers, chips, keyboards etc are known as e-waste. The old computers are replaced with updated configuration. P-III and old PCs are supplied to schools of nearby village for free and our students and staff went and given training to students and teachers of Seriguda village. Still there is a sharp waste of few computers and peripherals. It is unavoidable to dispose them to the scrap merchants and these are replaced anyway with new ones. There is a firm which visits the campus to collect the e-waste.

7.1.6 Rain water harvesting structures and utilization in the campus

Answer:

Water harvesting: The college is having five bores at different locations to raise the water table. The pipe can also guide the water into an existing well or body of water. Doing this allows the groundwater supply to recharge, which means that the benefit is long term. The more people in the village or community do this, the more effective will be the result.

Benefits
1.Helps in recharging the soil,
2.Improvement in ground water quality by dilution
3.Improves soil moisture
4.Easy to Maintain
5.Reduces soil erosion
6.It will reduce water bills
7.It provides an alternative supply during water restrictions

8.Maintains a green, healthy garden

9.It decreases storm water runoff, thereby helping to reduce local flooding and scouring of creeks.

10.Improving plant growth by using rainwater for irrigation because stored rainwater is free from

pollutants as well as salts, minerals, and other natural and man-made contaminants

Check Dam Construction : A check dam is a small dam, which can be either temporary or permanent, built across a minor channel, swale, bioswale, or drainage. The advantages of check dams are that they store surface water for use both during and after the monsoon. They help in ground water recharge of the area. Recharge of water helps in raising the water table in the area. Avaiability of water ensures the icrease of agricultural yield by multi-cropping. Check dams can also be used for pisciculture. Before building a check dam, Civil Engineering Team of the College considered various points for the benefit of the Village and the Check Dam has been constructed at Sheriguda Village.

7.1.7 Green Practices
* *Students, staff using*
a) *Bicycles*
b) *Public Transport*
c) *Pedestrian friendly roads*
* *Plastic-free campus*
* *Paperless office*
* *Green landscaping with trees and plants*

Answer:

Plantation: The campus is located in green serene atmosphere. The Campus is Green and Clean. The Institution is organizing tree plantation , cleanliness awareness activities evry year. Tree plantations are organized regularly to create clean and green campus. The institute has planted and maintained different varieties of flowering trees,   ornamental trees and shrubs to keep the institute free from pollution. Some trees are painted. Depending on the tree conditions, appropriate risk mitigation measures such as pruning, removal of wilted Branch, treatment of pest and disease, and cabling and propping to support trees are prescribed. Chopping of trees is done. Good lawns are made infront of buildings. A lot of expenditure is incurred to keep the environment green. For this the college support staff is working whole heartedly. The College is planting trees every year with the help of the students and staff.

 NSS coordinators and Physical Directors along with site maintenance staff organizes tree plantation internally and externally from time to time.   Under the programme of 'Swachh Bharath', of PM Modi, many trees have been planted in the campus by the students. Under the **Harithaharam** program, the college and police department of Telangana State Government   organized a tree plantation programme. In this programme 2000 trees were planted inside and outside the campus. The students, staff of the college and many police officials also participated and made it a grand success in planting the trees.   A few of the **Students and staff** are using Bicycles towards polution free practices.   The campus is having Green landscaping with trees and plants. It is a plastic free campus. It is almost a paperless office.

Green Practices followed by both the faculty members and the students in the campus are:
Bicycles:
The faculty members and students residing nearby are encouraged to come by bicycles. Thus we prevent
the emission of carbon dioxide in the campus
Pedestrians Friendly Roads:
The campus has wide, well maintained black top roads, covering every nook and corner of it.
Plastic free campus:
Use of plastic bags and cups are discouraged in the campus. Even in the canteen usage of steel plates/ leaf plates and steel cups or paper cups are
mandatory.
Paperless office:
The Management has taken keen interest to make the office a paper less office. The accounts/office and academic information is stored and
maintained through systems only. The complete campus is WiFi enabled, making it much easier for paper less activities. Even the official
information and circulars are preferred to be sent only through mails.

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Answer: 2.69

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year wise during the last five years(INR in Lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
19	18.5	18	17.5	17.5

File Description	Document
Details of expenditure on green initiatives and waste management during the last five years	View Document

7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. *Physical facilities*
2. *Provision for lift*
3. *Ramp / Rails*
4. *Braille Software/facilities*
5. *Rest Rooms*
6. *Scribes for examination*

7. Special skill development for differently abled students
8. Any other similar facility (Specify)

Answer: B. At least 6 of the above

File Description	Document
Resources available in the institution for Divyangjan	[View Document](#)

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years
Answer: 9

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
4	2	1	1	1

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	[View Document](#)

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Answer: 7

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
2	2	1	1	1

File Description	Document
Details of initiatives taken to engage with local community during the last five years	[View Document](#)

7.1.12
Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

Answer: Yes

File Description	Document
Any additional information	[View Document](#)

7.1.13 Display of core values in the institution and on its website

Answer: Yes

File Description	Document
Provide URL of website that displays core values	[View Document](#)

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations

Answer: Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	[View Document](#)

7.1.15 The institution offers a course on Human Values and professional ethics

Answer: Yes

File Description	Document
Any additional information	[View Document](#)

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

Answer: Yes

File Description	Document
Any additional information	[View Document](#)

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

Answer: 5

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	1	1	1

File Description	Document
List of activities conducted for promotion of universal values	View Document

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Answer:

1. The college is celebrating every year Teacher's Day on 5th September as a symbol of tribute and honor to the contribution made by teachers to the society. On the occasion of Teacher's day, various cultural programmes are organized.
2. The college is celebrating ever year children's day on 14th Novemeber as a symbol of tribute and honor to the contribution made by prime minister to the society. On the occasion of Children's day, various cultural programmes and sports activities are organized and prizes were given to the winners.
3. The college is celebrating every year Engineer's day on 15th September as a birth anniversary of sir Mokshagundam Visvesvaraya.
4. The college is celebrating every year 2nd October as birth anniversary of father of the nation M.K. Gandhi.
5. The college is celebrating every year 12th January as birth anniversary of Swami Vivekananda.
6. The college is celebrating every year 14th April as birth anniversary of Dr. B.R. Ambedkar who is a chairman of the Indian Constitution committee.
7. The college is celebrating every year 5th April as birth anniversary of Babu Jagjivan Ram.
8. The College is celebrating every year Republic Day, Independence Day, Gandhi Jayanthi
9. Yoga Day
10. Women's Day

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Answer:

Financial Transparency:

Before commencement of Academic Year, budget proposals were prepared by each department. Then it is brought for discussion in Governing Body Meeting to get approval. Budget is released as per the approval of the Governing Body Meeting, to all the departments. Every department in the institution will procure new things and improve the existing facilities.

Academic Transparency:

- Academic decisions have been taken in the respective departments relating to subject allocation, arranging guest lectures, organising seminars, and workshops.
- Conducting counselling for students by faculty advisors twice in a semester
- Internal assessment of the students is evaluated in a centralized manner. The answered scripts are given to students after evaluation for the verification. Finally, marks will be sent to their parents / guardians.

Administrative Transparency:

There exists defined procedures for administrative activities such as – code of handbook for students and staff, code of ethics, centre for research and innovation policy, research promotion policy, consultancy promotion policy ...etc

Auxiliary Functions:

For smooth functioning of the institution, different committees are formed to carry out auxiliary functions.

7.2 Best Practices
7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Answer:

Best Practice – 1

Title of the Practice:

Creation and maintenance of an Eco-friendly Campus

Objectives of the Practice:

The objectives of this initiative are:

- Creating awareness among the college community an atmosphere and learning environment that advances a civil and sustainable growth.
- Ensuring the preservation of biological diversity and the protection of this eco-sensitive area by adopting thud and sustainable growth.
- Fastening the traditional knowledge and practices of local communities and involving them in the conservation and sustainable use of these resources.

Context:

- To maintain pollution free environment in the college premises.

The Practice:

Eco-Friendly Practices followed by both the faculty and the students on the campus are:

Bicycles and Public Transport: The faculty members and the students residing nearby are

encouraged to come on bicycles. Thus we prevent the emission of carbon dioxide on the campus.

Pedestrians Friendly Roads: The campus has wide, well maintained black top roads, covering

every nook and corner of it.

Plastic free campus and Paperless office: Use of plastic bags and cups are discouraged inside the institution. Also, in the canteen, it is insisted on usage of steel plates/ leaf plates and steel cups or paper cups as mandatory. The ultimate vision is to see the office completely as paperless. All accounts/office as well as academic information is stored and maintained through systems only. The total campus is Wi-Fi enabled. It is also an easier way to maintain paperless activities properly and promptly. Even the official information and circulars are preferred to be sent only through mails.

Green landscaping with trees and plants: The institution has taken several measures for

plantation with the vision Green Campus. 50% of total area is covered with trees. Tree plantation

on the campus is the regular activity of the NSS wing.

Evidence of Success:

Success in the creation of an Eco-Friendly campus is seen in the following:

The plantations and their maintenance: A very plane environment has been tackled for the plantations mentioned above, and great care is taken for their systematic maintenance and robust growth.

Grid connected roof top solar photo voltaic power project: The 200 kWp project is operational at Institution.

Waste management: Transforming solid waste into harmless landfill material is operational for a year now, and will be scaled up shortly. All dead wood and seasonal trimming of trees are distributed to the labourers and nearby institutions for fuel.

Problems Encountered and Resources Required

Even though opportunities are at hand to face eco friendly possibilities on the campus, it is filled with extortionate issues

- Selection and preparation of locations for academic buildings called for expertise in a system of drains and plans for proper landscaping.
- Systematic planting of trees is very expensive but fruitful.

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Best Practice-2: Multi mode teaching practice in all class rooms, Introduction of Remedial Classes and Question Banks. Giving training to competitive examinations, conducting Industrial Visits and Tours and the Campus Recruitment training (CRT) to get the best placements.

7.3 Institutional Distinctiveness
7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Answer:

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

INSTITUTIONAL DISTINCTIVENESS

'Distinctiveness' refers to those activities, qualities, and accomplishments that enable an institution to enjoy a unique identity or an academic reputation for which an institution is known, admired, and valued. Institutional distinctiveness occurs in at least two dimensions. First, distinctiveness may result when an individual or group of individuals accomplishes something that is highly valued by both external and internal elements and factors. A second dimension of distinctiveness occurs when something noteworthy happens across multiple programs, units, or even across the whole institute. This type of distinctiveness helps define the entire institution.

Sri Indu College of Engineering and technology pursues distinctiveness as a way of focusing intellectual energy and using limited resources wisely. The process of examining SICET's potential for distinctiveness involves searching for realistic distinctive programs, ascertaining the perceptions of internal elements about the institution, and checking those observations with external basic requirements. Against this backdrop, the factors which are accountable for our institutional distinctiveness can never be confined to one factor as all these factors are mutually organized and interrelated. To mention a few:

- Teachers are born and not made. The Chairman of Sri Indu College of Engineering and Technology (SICET) strongly believes that a teacher is a social entity. Being a Teacher himself, he is aware that 'a poor teacher tells, a good teacher teaches, an excellent teacher demonstrates, an outstanding teacher not only inspires but also motivates'.
- He is one Chairman who never interferes in the academic activities of the College. He has given full autonomy to the Principal and other instructive experts in all the educational issues.
- The College is situated in a dynamic central location leading to life enrichment.
- The College has earned a very good name for providing the required academic environment for engineering education. This distinctive characteristic becomes 'what the institution is known for' by the general public giving a positive direction to the future generations of students.
- Our small classes promote situations where students can actively solve problems, and we provide opportunities for laboratory, field experiences.
- The College is totally ragging free.
- 30% women reservations are provided in allotting the seats as per JNTUH norms.
- The approach with which the Examination Branch of this Autonomous Institute is established, is to be seen to be believed.

- The results are processed in a record time without causing any disturbance to the Academic Calendar.

- The College has well-known Incubation Centre and a reputed S-Hub to its credit.
- The College attained autonomy from the parent University and also from UGC for a period of six years.
- The Alumni of this College have been occupying very important positions all over the globe.

The institutional performance has to be assessed on a number of factors apart from the issues mentioned above. But if one factor or area is to be identified.

Extended Profile

Programme

Number of programs offered year wise for last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
9	11	19	18	20

Number of all programs offered by the institution during the last five years

Answer: 2

How many self-financed Programmes does the institution offer

Answer: 0

Number of new programmes introduced during the last five years, if any

Answer: 0

Number of UG programmes offered by the College, which are not covered under the Autonomous status of UGC

Answer: 0

Number of PG programmes offered by the College, which are not covered under Autonomous status of UGC

Answer: 0

Whether the College is offering professional programme

Answer: Yes
Student

Number of students year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
3662	3470	3039	2893	2459

Number of outgoing / final year students year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
842	739	660	598	590

Total number of outgoing / final year students

Answer: 3429

Number of students appeared in the University examination year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
3662	3470	3039	2893	2459

Number of revaluation applications year wise during the last 5 years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
43	32	13	13	3

Academic

Number of courses in all programs year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
9	11	19	18	20

Number of courses offered by the institution across all programs during the last five years

Answer: 20

Number of full time teachers year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13

282	337	316	242	241

Number of full time teachers worked in the institution during the last 5 years

Answer: 1418

Number of teachers recognized as guides during the last five years

Answer: 10

Number of sanctioned posts year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
283	340	320	245	245

Total number of publications during the last 5 years, which are included in online databases such as SCOPUS, web of science or PubMed/ Indian Citation Index

Answer: 310
Institution

Number of eligible applications received for admissions to all the programs year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
500	520	594	528	527

Number of seats earmarked for reserved category as per GOI/State Govt rule year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
707	707	991	869	869

Total number of classrooms and seminar halls

Answer: 66

Total number of computers in the campus for academic purpose

Answer: 950

Total Expenditure excluding salary year wise during the last five years (INR in Lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
753	711	663	631	618

Annual lighting power requirement (in KWH)

Answer: 25920

Annual power requirement of the institution (in KWH)

Answer: 264240

Conclusion

Additional Information :

The College has full-fledged built-up area for to meet the requirement of its strength and the faculty as well. It has full-fledged and Experienced Faculty in all the Departments. The Supporting Staff is very efficient in dealing administration and accounts. The Central Library is well set with sufficient Titles & Volumes and National and International Journals. It has good approach Roads and internal Roads. The Campus is a located on the state high way and is very easily accessible to all communities. The College has well equipped Class Rooms and latest laboratories. The Infrastructure is maintained up to date. The faculty.

Concluding Remarks:

The College has taken utmost care in filling the NAAC – SSR application to the best of its satisfaction. It has filled all the Criteria I to VII as per the norms and directions given by NAAC. The time allotted for filling the online application for SSR is fully utilized and is totally completed in all respects. The Demand Draft for Rs. 2, 21, 250/- (Rupees Two Lakhs Twenty Thousand and Two Hundred fifty only) dated : 08-01-2018 towards the SSR Initial payment is drawn in favour of The Director, NAAC, Bangalore and is enclosed.