

SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

SAMSKRUTI COLLEGE OF ENGINEERING AND TECHNOLOGY

**KONDAPUR(V), GHATKESAR(M), MEDCHAL DISTRICT
501301**

www.samskruti.ac.in

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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Samskruti College of Engineering and Technology (SCET) is one of the premier Engineering Institutes in the Medchal District area. Established in the year 2005 by under St.Vincent Educational Society of Hyderabad with a vision to provide value driven education of global dimensions. The Institute has a sprawling area of 20.247 acres and lush green ambience. The Institute is affiliated to Jawaharlal Nehru Technological University, Hyderabad, Telangana and approved by All India Council for Technical Education (AICTE). The Institute provides B. Tech degree programs in five branches, M. Tech in Two specializations and MBA. The Institute's library has 34124 volumes of books and a good number of national and international journals. Samskruti College of Engineering and Technology is located in a pollution free environment at Ghatkesar Mandal. It has well qualified and experienced Faculty members in all the Departments. Guest Lectures by eminent Scholars, Industrialists and Experts from reputed I.T industries are conducted frequently in addition to seminars and workshops to motivate and inspire the students. Extracurricular activities such as Games and Sports and various Literacy and Cultural activities are organized to inculcate the spirit of team work. Students are encouraged for GATE, GRE and TOEFL tests. Faculty will be encouraged to do research. English development material is made accessible to the students to compete with the best and succeed in GRE, TOEFL, CAT and other Competitive Exams. Summer practice school of 4-6 weeks duration is arranged for the students in reputed industries of the country like DRDO,KTIPS, ECIL, BHEL, TSTRANSCO.

Vision

- To be an Institution moulding globally competent professionals as essence of noble values.

Mission

- To transform the young generation as technically competent, ethically sound and socially committed professionals by providing a vibrant learning ambience, for the welfare of Society.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Excellent academic performance with positive progression by means of securing University Rank
- Consistent Placement record of students in leading organizations
- Experienced and proficient teaching and support staff
- A strong and active Industry-Institute-Partnership Cell and Entrepreneurship Cell
- MoU with TASK Programme (Industry-Academia partnership), and TIME Academy to impart training on Business English Certificate Programme.
- Computerized central library and digital library with ease access to e-Journals [DELNET], JGATE, N-Digital and 6000 NPTEL video courses through intranet.
- Value-added courses like SAP, AUTOCAD, MAT Lab, STADD, PLC, VLSI, Embedded System,

Android etc.

- College Management System (CMS) to connect students, staff, parents and management.
- A strong ethos of openness, sharing and commitment to increasing parental confidence through Proctorial System and stakeholders meet once in a year to obtain feedback and take corrective actions.
- Regular Faculty Skill Development and Motivational training programmes are conducted
- Round the clock medical care through college dispensary with full-time Medical Practitioner

Institutional Weakness

- Curriculum, too restrictive and rigid
- Lack of Funded Projects and Consultancy works
- Lack of research work for societal development and patents
- Fewer number of faculties with Ph.D qualification
- Lack of quality research publications
- Scope for Students' project internship in industries and national laboratories
- Development of web-based online training, learning-ware courses which mutually helps teachers and students
- Use of distance education, flexible learning and adoption of new information and communication technologies to increase access on learning.

Institutional Opportunity

- Campus is viable for conducting research work.
- Foundation for Innovative and Collaborative Education.
- Innovative in-house projects for UG and PG Students.
- Transforming the students to make Industry Ready for Job Opportunity.

Institutional Challenge

- Competition from local and regional institutions.
- Admitting sufficient number of quality students with strong interest in engineering.
- Create awareness for engineering profession and related job opportunities.
- Providing scope for employability of the students in volatile market.
- Promoting study-abroad and student-exchange programme for higher semester students.
- Exposing the teaching faculty to the Industrial scenario.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

- Being an affiliated Institution to JNTUH, the Institute follows the curriculum prescribed by the University. However, Value added courses, add-on programmes and certificate courses are offered to the students to fill up the gap identified between the curriculum and industry need.
- Teachers practice different curriculum delivery methods to achieve the course outcomes, program

outcome and program specific outcome of each program.

- Feedbacks received from all stakeholders are taken as the base for improving the current practices in teaching learning process, enriching curriculum, and infrastructure of the college.
- Course wise regular student feedback is collected on teaching and learning process and is communicated to the respective faculty members so as to assess themselves to improve and contribute to teaching learning process in a positive way.
- Field trips and internships are arranged as the part of curriculum, to enrich intramural learning with life situations and industrial exposure during their study.

Teaching-learning and Evaluation

- The institution has a diverse collection of students from different areas and categories. To provide a uniform platform which suits all the students having different learning levels, the institution conducts bridge courses, orientation programs, special motivational talks and lectures, so as to cater the need of diverse students and to improve the confidence and competency level of the students, particularly, slow learners. Further, special measures are taken for slow learners by conducting coaching classes, remedial classes, etc.
- In teaching learning process, the institution encourages faculty members to use innovative teaching practices, ICT tools, animations, NPTEL videos, video clippings, and hands on training in laboratory sessions to make the students as self reliant and self sustained in their academic.
- As well, students are encouraged to have brain storming sessions, quiz sessions, debate sessions, peer group teaching, mini project development, presentations to create a feeling of self-responsibility in learning.
- The institution encourages faculty members to enrich themselves professionally by conducting faculty development programs inside the campus and availing on duty leave and financial support for participation in events conducted in reputed institutions.
- Evaluation is done in a transparent way and the attainment of course outcome are assessed based on Blooms taxonomy principles.

Research, Innovations and Extension

- The institution has signed Memorandum of Understanding (MoU) with many pioneer industries and premier Research Organization. It is notable that the institution has got recognition with Department of Scientific and Industrial Research (DSIR), for promoting research works and innovative project development. An innovation center has been established with the support of Foundation for Innovation and Collaborative Education (FICE). The institution takes effective measures to involve the students in extension activities and outreach program such as NSS to help and serve the neighboring community and society. The institution organizes invited talks on Intellectual Property Rights and conferences to increase the number of quality research publications and patents.

Infrastructure and Learning Resources

INFRASTRUCTURE AND LEARNING RESOURCES

- The institute strives to provide infrastructure and facilities with the conducive learning environment.

Therefore, the institute has not only complied with regulatory requirement but exceeded the compliance. This is an effort to make institute at par with the premier institutions at the national and international level. Moreover, it leads to fast adoption to corporate culture during the transition of the students from campus to corporate.

- The institute widely uses the latest technology in the classrooms as well as laboratories for effective teaching learning.
- Library resources are made available to all the students well in time and meet the requirement of regulatory and affiliating body and also fulfill needs of the faculty and students for their active research.
- The institute widely uses the digital platforms for learning resources such as NPTEL, digital videos, power point presentation and various databases available from leading publication houses relevant to the engineering programmes.
- The infrastructural facilities and the learning resources available at the institute make the institute as one of the leading institutes in Hyderabad to provide quality education.

Student Support and Progression

- The institution provides all sorts of supports for the development of students.
- Institution provides financial support for needy students, conducts Bridge courses, Soft skill development training, Career guidance programs, Guidance for competitive examinations, Mentor system for personal counseling, vocational educational training to make the student as industry ready.
- Views of the students as members in student council, library committee, cultural committee, sports committee are collected and considered for taking decisions on academic and administrative body of the institution. An active Placement cell in the institution brings more placement opportunities to the students.
- To support the student welfare and safety, the institution is having active students' redressal committee, prevention of sexual harassment committee, anti ragging committee and healthcare unit for our students

Governance, Leadership and Management

- Conceptualization of the college took place over 2 years of consultations on vision and mission, choice of study programmes, human resource requirements, networking, fund raising and sustainability. Vision and Mission of the institution has been formulated in tune with objectives of higher education.
- All courses at UG and PG levels are in perfect alignment with objectives of higher education and reflect academic excellence, employability skills and equip every student to be a responsible citizen.
- The institute is having a clearly defined Organizational Structure in an Organogram. Inputs are received from all stakeholders on academic matters, administration, placements, infrastructure, etc.
- Standard operating procedure is formulated for every domain activity, IQAC, and periodic audits. Feedbacks received from student council members are ploughed back for upgrading academic environment of the institution.
- Decentralization is effectively practiced in all the departments in terms of academic and financial management.
- The institute is maintaining an Up-to-date internal and external audited financial statement as per GOI norms.

For sustaining the Internal Quality of the institution, experts from Industry and Academia are involved as members in IQAC cell.

Institutional Values and Best Practices

- **Institutional Values:** The institutions is very keen about sustaining the foundational parameters such as : gender sensitivity and equity, eco-consciousness, management of water resources and waste disposal, promotion of green practices, use of alternate energy, promotion of human values and professional ethics, patriotism and a sense of pride in the nation etc.
- **Best Practices:** The institution takes pride in implementing Communications Skills Trainings Counseling System and Campus Recruitment Training (CRT) as the best practices, since both the practices are very crucial factors in fostering the students' career.

NAAC

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	SAMSKRUTI COLLEGE OF ENGINEERING AND TECHNOLOGY
Address	Kondapur(V), Ghatkesar(M), Medchal District
City	HYDERABAD
State	Telangana
Pin	501301
Website	www.samskruti.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Jangirala Govardhan	08415-222491	9396872497	08415-222700	naac@samskruti.ac.in
Associate Professor	B Kishore Babu	08415-222492	9701368503	0815-222700	director@samskruti.ac.in

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
Date of establishment of the college	01-01-2005

University to which the college is affiliated/ or which governs the college (if it is a constituent college)

State	University name	Document
Telangana	Jawaharlal Nehru Technological University	View Document

Details of UGC recognition

Under Section	Date
2f of UGC	
12B of UGC	

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
No contents				

Details of autonomy

Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No
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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	Kondapur(V), Ghatkesar(M), Medchal District	Rural	20.247	15882

2.2 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,Civil	48	INTERMEDIATE	English	120	38
UG	BTech,Eee	48	INTERMEDIATE	English	60	12
UG	BTech,Mechanical	48	INTERMEDIATE	English	120	27
UG	BTech,Ece	48	INTERMEDIATE	English	120	80
UG	BTech,Cse	48	INTERMEDIATE	English	60	59
PG	Mtech,Eee	24	BTECH	English	18	14
PG	Mtech,Cse	24	BTECH	English	36	11
PG	MBA,Mba	24	BTECH	English	180	66

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	13				0				148			
Recruited	9	4	0	13	0	0	0	0	90	58	0	148
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				50
Recruited	35	15	0	50
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				20
Recruited	17	3	0	20
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	9	4	0	0	0	0	0	0	0	13
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	90	58	0	148

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
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			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
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

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
	0	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
Diploma	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0
UG	Male	149	0	0	0	149
	Female	67	0	0	0	67
	Others	0	0	0	0	0
PG	Male	53	1	0	0	54
	Female	37	0	0	0	37
	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	52	82	27	13
	Female	16	17	8	9
	Others	0	0	0	0
ST	Male	37	60	15	8
	Female	8	7	7	1
	Others	0	0	0	0
OBC	Male	239	223	154	129
	Female	46	53	65	36
	Others	0	0	0	0
General	Male	117	74	93	72
	Female	49	29	30	47
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		564	545	399	315

3. Extended Profile

3.1 Programme

Number of courses offered by the institution across all programs during the last five years

Response : 394

Number of self-financed Programmes offered by college

Response : 8

Number of new programmes introduced in the college during the last five years

Response : 0

3.2 Student

Number of students year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
762	762	1158	990	882

Number of seats earmarked for reserved category as per GOI/State Govt rule year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
320	320	478	415	350

Number of outgoing / final year students year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
281	498	530	504	398

Total number of outgoing / final year students

Response : 395

3.3 Academic

Number of teachers year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
193	213	217	189	161

Number of full time teachers year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
193	213	217	189	161

Number of sanctioned posts year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
193	213	217	189	161

Total experience of full-time teachers**Response : 614.66****Number of teachers recognized as guides during the last five years****Response : 1****Number of full time teachers worked in the institution during the last 5 years****Response : 783****3.4 Institution****Total number of classrooms and seminar halls****Response : 49****Total Expenditure excluding salary year wise during the last five years (INR in Lakhs)**

2016-17	2015-16	2014-15	2013-14	2012-13
285.28	450.01	132.22	191.67	308.07

Number of computers

Response : 574

Unit cost of education including the salary component(INR in Lakhs)

Response : 0.51097

Unit cost of education excluding the salary component(INR in Lakhs)

Response : 0.17615

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4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The institution ensures effective curriculum delivery through a well planned and documented process

Response:

Being an affiliated institution, the institute implements the curriculum prescribed by Jawaharlal Nehru Technological University, Hyderabad (*JNTU Hyderabad*).

For effective delivery of the curriculum, the following process is developed and deployed.

- Academic calendar provided by the University is taken as the base for making curriculum delivery plan.
- The Principal of the college conducts meetings with the Head of the Departments and the Academic Advisory Committee members for developing detailed academic calendar for the effective implementation of the curriculum.
- The action plan for conducting co-curricular, extra-curricular activities to enrich the curriculum will be included in the detailed academic calendar and the same will be proposed with the due approval from the principal.
- HODs conduct meeting with faculty members for the distribution of workload.
- Class wise and Course wise time tables will be prepared for effective planning and delivery of courses.
- Each faculty prepares course outcome and micro level course plan for executing day to day activities.
- Teachers are encouraged to impart the curriculum through innovative teaching methods such as presentations, assignments, discussions, workshops, seminars and industrial visits besides the regular/traditional chalk and talk methods.
- IQAC monitors the academic activities on regular basis to ensure the execution of timetable. It also monitors execution of academic calendar and teaching learning process and finds the gap, if any.
- The academic performance of students is continuously and meticulously monitored by conducting unit tests, mock practical examinations during the semester to assess the attainment of Course Outcomes (COs). As the attainment of COs is the base for achieving the attainment of Program Outcomes and Program Specific outcome, teaching learning process is streamlined to attain the COs of each course.
- Employing learner centric techniques such as assignments, peer learning, group discussion, brain storming, use of NPTEL lectures, case studies, projects, quiz etc., are highly encouraged for the effective delivery of the academic courses.
- Views of experts from industry, academia and alumni on curriculum are taken regularly. Feedback from industry and alumni is given due importance in defining graduate attributes and design of course outcomes.
- Students' performance and attendance is perfectly maintained and observed and the same is monitored by their respective HODS, Mentors and IQAC cell. Special actions are taken for slow learners for encouraging them to perform well in their studies.

The report about the students' performance, attendance and the action taken is to be reported to principal for fifteen days once.

File Description	Document
Link for Additional Information	View Document

1.1.2 Number of certificate/diploma program introduced during the last five years

Response: 35

1.1.2.1 Number of certificate/diploma programs introduced year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
8	7	7	7	6

File Description	Document
Details of the certificate/Diploma programs	View Document

1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

Response: 1.75

1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
5	4	3	2	3

File Description	Document
Details of participation of teachers in various bodies	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

Response: 23.86

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

Response: 94

File Description	Document
Details of the new courses introduced	View Document

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented**Response:** 100

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

Response: 8

File Description	Document
Name of the programs in which CBCS is implemented	View Document

1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years**Response:** 47.93

1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
531	457	401	386	321

File Description	Document
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	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**Response:**

Courses like Environmental Science, Professional Ethics, Gender Sensitization lab and other student activities like NSS are included as mandatory courses in curriculum by Jawaharlal Nehru Technological University, Hyderabad. However, the institution integrates the cross cutting issues like Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum by taking extra steps, as these cross cutting issues are the base for humanity.

Gender

- The institution has an active women empowerment cell
- To empower girl students and to bring the awareness on gender equality.
- To enhance the self-esteem and self-confidence of women students, faculty and staff in the college.
- To promote intellectual and cultural activities for overall personality development of student.
- To develop critical thinking ability of women students such that it enhances decision-making ability.
- To enable women to make informed choices in areas like education, employment and health.
- To enhance their participation on an equal footing in all areas
- To insist the constitutional rights of Women, physical fitness, and gender equality.
- This cell is formed only by female faculty members consisting of one coordinator and two members and also one student representative from each department.
- It is notable that the incidents of sexual harassment of women students are nil due to the discipline maintained in the campus. However, this cell interacts with women students at regular intervals to identify any sort of issues existing. The women cell is capable of dealing the cases very confidently with its team.
- The women cell provides counseling to the women students, regarding their physical fitness, health, and other women specific issues.
- A common room is provided for women students to facilitate the women specific issues.

Environment

- Environmental Studies is an essential course which is included in the curriculum of all engineering programs. Apart from this, the institution takes several other actions to optimize the responsibility of students with respect to maintain our environment as clean and green.
- The most notable is that the institute has involved our students frequently in keeping the environment clean by means of conducting NSS camps in nearby villages.
- The institution conducts swachh bharat activities in effective way.
- The institution conducts Harita Haram and Tree plantation in neighborhood community in which students are actively involved.

Human Values

The institute integrates Human Values and Professional Ethics into the curriculum by means of conducting the following programs.

- Blood Donation Camp
- Health Awareness programme
- Medical Camp
- Orphanage Visit
- Motivation camp for the school students

- Health & fitness awareness camp
- Women rights and equality awareness camp
- AIDS Awareness programme to strongly insist the human values and cultivate the professional ethics on students.

Professional Ethics

Codes of professional ethics are established by professional organizations to help guide members in performing their job functions according to sound and consistent ethical principles. To make the students as successful professionals in future, the institution conducts soft skills programs, personality development programs, to teach the professional ethics to the students.

File Description	Document
Link for Additional Information	View Document

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

Response: 14

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

Response: 14

File Description	Document
Details of the value-added courses imparting transferable and life skills	View Document

1.3.3 Percentage of students undertaking field projects / internships

Response: 2.63

1.3.3.1 Number of students undertaking field projects or internships

Response: 38

File Description	Document
Institutional data in prescribed format	View Document

1.4 Feedback System

1.4.1 Structured feedback on curriculum obtained from 1) Students 2) Teachers 3) Employers 4) Alumni 5) Parents For design and review of syllabus semester wise/ year wise

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: A. Any 4 of the above

File Description	Document
Any additional information	View Document
URL for stakeholder feedback report	View Document

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

A. Feedback collected, analysed and action taken and feedback available on website

B. Feedback collected, analysed and action has been taken

C. Feedback collected and analysed

D. Feedback collected

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

File Description	Document
URL for feedback report	View Document

Criterion 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

Response: 1.04

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

2016-17	2015-16	2014-15	2013-14	2012-13
3	6	30	11	3

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

2.1.2 Average Enrollment percentage (Average of last five years)

Response: 49.07

2.1.2.1 Number of students admitted year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
306	400	494	526	502

2.1.2.2 Number of sanctioned seats year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
762	762	1158	990	882

File Description	Document
Institutional data in prescribed format	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

Response: 87.11

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

2016-17	2015-16	2014-15	2013-14	2012-13
195	276	442	398	350

File Description	Document
Institutional data in prescribed format	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

Response:

- Yes, in the beginning of the academic year, students' knowledge and understanding of the program is assessed based on their marks in the qualifying examination.
- The members of the admission committee examine the ability and enquire the interest of the students in accordance with the subject selected by the students at the time of admission.
- Orientation programmes are conducted for the newly admitted students for coordinating and assessing their knowledge. During orientation programmes, several events are conducted to encourage and involve the students actively into the new ambience and programme. Different prizes are awarded to boost the confidence of the active participation of students in the events conducted during Orientation programmes.
- As admitted students are from different socio-economic background, the requirements with respect to academic also differ. In order to overcome the difference, during the first week of the class teaching, the faculty members analyze this difference carefully and accordingly special programmes are planned. The following are a few such special programmes organized:
 - Communication skill development programme:
 - Mathematics special coaching classes
 - Computer proficiency enhancement classes
 - Awareness programme about ragging.
- A bridge course is conducted for one week in the respective subject to bring the homogeneity among the students. A Basic English courses is offered to all students coming from Telugu medium schools of various disciplines.
- The students' profiles are also maintained to closely monitor individual students' progress during the academic year.
- The entry level assessment and performance of student are taken into account and concerned faculty members are intimated to cope-up with the learning level and need of the students.
- Slow learners are identified and they are given remedial coaching classes so as to bring them up on par with advanced learners.

- The counselors coordinate with the faculty of their respective subjects in order to know the learning level and attention of students during the class time.
- To create friendly environment for students special interaction sessions by the principal and senior teaching staff are arranged.
- Remedial classes are conducted for slow learners to improve their academic performance.
- The advanced learners are identified by their academic performance and achievements. Special guidance and consultations are given to the advanced learners to secure high percentage of marks in university examination as well as to improve their career.
- The learning needs of the advanced learners are satisfied by organizing several programmes, such as, seminars, workshops on cutting edge technologies.
- Advanced learners are encouraged to teach their fellow students in turn they become confident and also help them to learn more of the subject by referring to the reference books.
- Special enrichment courses such as Add-on/certification courses are conducted to enrich the knowledge level of the students.

File Description	Document
Link for Additional Information	View Document

2.2.2 Student - Full time teacher ratio	
Response: 9.22	
File Description	Document
Institutional data in prescribed format	View Document

2.2.3 Percentage of differently abled students (Divyangjan) on rolls	
Response: 0.21	
2.2.3.1 Number of differently abled students on rolls	
Response: 3	
File Description	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
Response:

The institution adopts students-centric methods to make students as self reliant and self motivated in learning process. The following students-centric methods are implemented in our institution

- brain storming sessions
- quiz sessions
- debate sessions
- problem solving sessions
- assignment
- peer group teaching
- mini project development
- presentations

The institution concentrates much on introducing various modern techniques to make learning more effective for the benefit of students. The learning process is enriched and empowered by the practices which develop communication skills, listening skills, solving problems, improving knowledge, training and participation in various academic programmes which cultivate the lifelong learning process in students.

Students are highly motivated to participate in seminars, workshops, conferences, study tours, industrial visit, projects, Science Exhibition, Group discussion, Guest Lectures, symposium, Quiz programmes and club activities to enrich the different learning methods.

The institution provides required infrastructural facility like resourceful, Internet, Netlab, Department library, fully equipped and digitalized central library with DELNET providing reference books, magazines, International Journals, laboratories with well equipped materials for improving and increasing technical knowledge of students. With this wide range of gaining knowledge from the above mentioned learning processes, students are encouraged to prepare charts, models, and projects.

Students participate in extra-curricular activities like sports, Fine arts, Music, Dance, Yoga and cultural competition. These are the unique resources and provisions to develop skills like interactive learning, collaborative learning and independent learning among students. Students are also encouraged to participate in intercollegiate seminars, quiz and symposia to enhance their knowledge level.

The institution always tries to achieve maximum involvement of the students in teaching-learning process to make them self reliant and self motivated and to cultivate the lifelong learning process.

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

Response: 100

2.3.2.1 Number of teachers using ICT

Response: 157

File Description	Document
List of teachers (using ICT for teaching)	View Document

2.3.3 Ratio of students to mentor for academic and stress related issues**Response:** 9.22**2.3.3.1 Number of mentors**

Response: 157

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

2.3.4 Innovation and creativity in teaching-learning**Response:**

- The institution encourages faculty members of all departments to adopt the latest and innovative teaching methodology with ICT tools in teaching process. The faculty members are provided with LCD projectors, CDs, Over Head Projectors, Audio- Visual facility, Computer with Internet facility to use in Teaching Learning process. Net lab and computer aided facility are installed to be utilized in the Teaching method.
- Students participate in class seminars, workshops, group discussions, debate, paper presentation, guest lectures and project work for the effective impact and impressive growth and development in the performance of students to achieve the academic excellence and improve their knowledge by the innovative practices.
- The faculty members also adopt new and innovative approaches like assignments, exhibitions, paper presentation, participation in competitions, field trips, use of net lab and internship. The remarkable achievements and growth are envisaged among students by adopting constant and continuous innovative methods by the faculty members.
- The institution gives priority to the competencies which are necessary for personal fulfillment and development, social inclusion, active citizenship and employment of the students. The teaching learning methods are designed in such a way that they acquire communication skills, mathematical competency, basic competing in science and technology, digital competency, social and civil competency, sense of initiative and entrepreneurship, cultural awareness and expression and learning to learn.
- The institution adopts cognitive approach in teaching/ learning process. This cognitive approach helps the students to think and develop their intelligent. The uses of pragmatic methods also help the teachers and students to enhance the teaching/ learning process.

2.4 Teacher Profile and Quality**2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years****Response:** 100

File Description	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

Response: 5.01

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

2016-17	2015-16	2014-15	2013-14	2012-13
13	11	9	10	6

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

Response: 3.92

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

Response: 1.79

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

2016-17	2015-16	2014-15	2013-14	2012-13
4	3	3	3	4

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**Response:** 14.42**2.4.5.1 Number of full time teachers from other states year wise during the last five years**

2016-17	2015-16	2014-15	2013-14	2012-13
30	38	32	30	13

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 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level****Response:**

Various measures are adopted to assess the achievements of students. The Examination pattern and the participation of students in academic performances and test evaluation are also assessed. The allocation of marks according to the University norms is 25 marks for internal evaluation and 75 marks for External evaluation for theory examinations. The Internal Evaluation method is assessed by the staff members by Mid Term examinations regularity to the classes, submission of assignments and active participation and better interactions with teachers during the subject hours.

The Continuous Internal assessment of students is analyzed through assignments, test, quiz programmes, seminars, debates and discussion. Students are encouraged to participate in curricular and Extra-curricular, Competitions such as Inter departmental, oratorical competition, literary competition, cultural events and Annual sports meet. The Winners are awarded with prize, Shields, Gifts and certificates. This kind of encouragement motivates and creates confidence among students to participate in various competitions and bring laurels and fame to the college.

Formative evaluation approaches:

- Assignments
- Attendance
- Seminars
- Tests
- Practicals

Summative evaluation approaches:

- Theory written Examination
- Practical Examination
- Project work

The institution adheres strictly the norms for conducting internal and external exams. Central valuation is conducted by the University for all Affiliated Colleges. The University provides a provision for the students to apply for revaluation, re-counting university examinations. The University examination marks are intimated to the parents. Choice based credit system designed by the university is implemented by the institution.

File Description	Document
Link for Additional Information	View Document

2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety

Response:

The College introduces the process of department evaluation to assess the teaching learning process, marks obtained in unit test, model examination, internal test by students and practical exam and other academic performances. The marks secured by the students in the test are informed both to the parents and students. The evaluation process and methods are communicated to all students by the department staff for their clear understanding in the beginning of the academic year.

The evaluation methods are done in all fields of academic performance of each department. Teachers are trained to understand the evaluation process and their teaching strategies are assessed and evaluated through feedback obtained from students. The IQAC also gathers suggestions from the feedback of the students and analyses the suggestions and informs the evaluated reports to the Principal and all faculty members for rectification and correction.

The Internal Assessment is done to the students on the basis of marks secured by them, academic performance, attendance, participation in various curriculum, co-curricular, cultural, sports and extension activities. Mid term marks and their academic performances are displayed in the notice board and student given opportunity for recounting of marks for internal evaluation and informed to the students well in advance to prepare and to initiate the students for more achievements and significant improvement.

The student is allowed to approach higher authorities on submitting valid requisition about the discrepancy in evaluation.

File Description	Document
Link for Additional Information	View Document

2.5.3 Mechanism to deal with examination related grievances is transparent, time-bound and

efficient

Response:

Examination related grievances are dealt in two ways

- Grievance Redressal Cell
- Counselling system

Grievance Redressal Cell

The institution has Grievance Redressal Cell consisting of staff members. The students can represent their problems and grievances anytime to the Grievance Redressal Cell.

The types of grievance are as follows.

- Awarding less marks
- Paper not assessed properly
- Out of syllabus question paper

Counseling system

Counseling system helps the students to have a good rapport between the students and faculty members and enables to discuss various problems of the students, their academic performance and personal issues. The Counseling members also represent the grievances, problems to the principal, HODs and the Management.

After the publication of semester result by the JNT University, students can avail the following:

- Re-Counting of marks
- Revaluation
- Supplementary Examination
- Poor evaluation of assignments

The College helps the students to communicate the grievances relating to the result withheld, change of marks which is time bound and efficient. As students are our only customers an utmost care is taken to ensure the comfortability of students and enable them to express their grievances freely, if any. Absolute transparency is maintained in addressing the grievances. As well, students' grievances are addressed at the earliest for the betterment of the student.

File Description	Document
Link for Additional Information	View Document

2.5.4 The institution adheres to the academic calendar for the conduct of CIE

Response:

The institution strictly adheres to the academic calendar for the conduct of Continuous Internal Evaluation.

- Academic calendar provided by the University is taken as the base for making curriculum delivery plan which includes the commencement of the semester, schedule for conducting Internal Evaluation Test, model exam, list of holidays, and last working day of the semester.
- The Principal of the college conducts meetings with the Head of the Departments and the Academic Advisory Committee members for developing detailed academic calendar for the effective implementation of the curriculum.
- The action plan and schedule for conducting co-curricular, extra-curricular activities, and assignments to enrich the curriculum will be included in the detailed academic calendar and the same will be proposed with the due approval from the principal.

Principal, HODs and IQAC monitors the adherence of Continuous Internal Evaluation and motivates the faculty members for innovative teaching plan.

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Principal, HODs and IQAC monitors the adherence of Continuous Internal Evaluation and motivates the faculty members for innovative teaching plan.

File Description	Document
Link for Additional Information	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

Response:

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.

PO's, PSO's and CO's are displayed at various places and the details are given below.

Program Outcomes	Program Specific Outcomes	Course Outcomes
College Website	College Website	College Website
Display Boards	Display Boards	Course File
College notice board	College notice board	
HOD room	HOD room	
Faculty room	Faculty room	
Department notice board	Department notice board	
Laboratories	Laboratories	
Library	Library	
Course File	Course File	

The PO's PSO's are disseminated through

- Staff meetings
- Student Orientation programme
- Student Curricular Activities
- Student Co-Curricular Activities
- Parent meeting
- Alumni Meeting
- Class Teachers to the respective classes at the beginning of every Semester course.
- College Website

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

Response:

The course outcomes were prepared by the action verbs of blooms taxonomy.

1. Each CO will be mapped to PO (CO-PO) matrix.

CO- Attainment method

The attainment of CO is assessed based on the following

1. Final exam
2. Tests
3. Quizzes
4. Assignments
5. Project and etc.
6. Special.

Attainment of Program Outcomes and Program Specific Outcomes Assessment Process.

Attainment of Program Outcomes and Program Specific Outcomes Assessment Process is assessed in two steps:

- **Direct assessment:**
 - Mapping of COs to POs and PSOs.
 - Since COs are mapped to POs and PSOs, the values of COs are reflected in the respective POs and PSOs.
- **Indirect assessment:**
 - Graduate exit survey

All students leaving the college on completion of program are given feedback forms to give their assessment of POs and PSOs

- Final POs and PSOs attainment is calculated as

$$0.9 * \text{Direct assessment} + 0.1 * \text{Indirect assessment}$$

File Description	Document
Link for Additional Information	View Document

2.6.3 Average pass percentage of Students

Response: 51.6

2.6.3.1 Total number of final year students who passed the university examination	
Response: 145	
2.6.3.2 Total number of final year students who appeared for the examination	
Response: 281	
File Description	Document
Institutional data in prescribed format	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process	
Response:	
File Description	Document
Database of all currently enrolled students	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years

Response: 21

3.1.1.1 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)

2016-17	2015-16	2014-15	2013-14	2012-13
4	7	4	4	2

File Description	Document
List of project and grant details	View Document

3.1.2 Percentage of teachers recognised as research guides at present

Response: 1.27

3.1.2.1 Number of teachers recognised as research guides

Response: 2

File Description	Document
Institutional data in prescribed format	View Document

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

Response: 0.03

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

Response: 21

File Description	Document
List of research projects and funding details	View Document
Funding agency website URL	View Document

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

Response:

The institution has created an ecosystem for innovation which facilitates the creation and transfer of knowledge in students and faculty.

The following are the initiatives taken by the institution:

Innovation Center

- Innovation Center, sponsored by Foundation for Innovation and Collaborative Education (FICE), has been established in the institution with a vision of inculcating the research temperament in students and faculty members.
- It is an open space where engineering students have access to state-of-the-art prototyping tools, equipment, material and support staff.
- It enables to build live projects in campus. Students mentored by faculty, participate in such projects and contribute to innovative product development.
- It provides the perfect surrounding to try out new things and find clever solutions for today's challenges.
- It provides support in documentation, publication and patenting of innovations.
- It facilitates and provides the required tools for new product/project development and implementation.

Research and Development Cell (R&D cell)

- The college has a Research and Development Cell to monitor and address the issues of research.
- This cell encourages the faculty members to take up research activities by utilizing the existing facilities.
- It creates research culture among faculty members and students.
- It motivates the faculty members to undertake minor and major research projects from various funding agencies.
- Identification and assisting for finance from Management as well as funding agencies like DRDO, DST and AICTE.
- Fund is received from ISRO for conducting the International Conference on Recent Trends in Engineering and Technology (ICRTET' 17) through R&D cell.
- It creates network with industries and research institutions for funding and cooperation
- It provide guidance for publication of papers/articles in reputed journals and conferences.

Functions of the Committee:

- Creating research culture among faculty members and students.
- Motivating to undertake minor and major research projects from various funding agencies.
- Identification and assisting for funds from government and non-government funding agencies like DRDO, DST, AICTE, etc.
- Guidance for publication of papers/articles in reputed journals.

File Description	Document
Link for Additional Information	View Document

3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years**Response:** 49

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

2016-17	2015-16	2014-15	2013-14	2012-13
7	10	16	9	7

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

3.3 Research Publications and Awards**3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research****Response:** Yes

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

3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards**Response:** Yes

File Description	Document
List of Awardees and Award details	View Document

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

Response: 2

3.3.3.1 How many Ph.Ds awarded within last five years

Response: 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

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

Response: 0.14

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

2016-17	2015-16	2014-15	2013-14	2012-13
51	21	25	26	10

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document

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

Response: 0.04

3.3.5.1 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

2016-17	2015-16	2014-15	2013-14	2012-13
21	1	1	8	10

File Description	Document
List books and chapters in edited volumes / books published	View Document

3.4 Extension Activities

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

Response:

The institution has taken number of extension activities in the neighborhood community in terms of impacting and sensitizing students to social issues with the help of NSS camps which aims to contribute towards nation building through social work.

The following are the extension activities conducted in the neighborhood community:

- Blood donation camp
- Swacch Bharat
- Motivation camp for the school students
- Health & fitness awareness camp
- Women rights and equality awareness camp
- AIDS Awareness programme
- Orphanage Visits
- Food Serving
- Rural Development Activities
- Eye Camp
- Women and Child Development
- GHMC Elections

The major strength of this college is its ability to ensure holistic development of students and to make them responsible citizens. The college is an 'equal opportunity' institution established to provide knowledge and quality education to all sections of society. It aims to maintain modern outlook with contemporary developments without compromising moral values. It strives to provide knowledge and quality based education to the students by inculcating moral values and scientific temper. It aims to pursue excellence towards creating manpower with high degree of intellectual, professional and cultural development to meet the national and global challenges. The institution is conscious of its role in campus-community connection, wellbeing of its neighborhood and has initiated a number of community development activities. Extension activities such as cleanliness drives, tree plantations and blood donations camps, etc, are regularly conducted with high level of student participation.

File Description	Document
Link for Additional Information	View Document

3.4.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years**Response:** 14

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

2016-17	2015-16	2014-15	2013-14	2012-13
7	3	2	1	1

File Description**Document**

Number of awards for extension activities in last 5 years

[View Document](#)**3.4.3 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****Response:** 31

3.4.3.1 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

2016-17	2015-16	2014-15	2013-14	2012-13
8	7	5	6	5

File Description**Document**

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

[View Document](#)**3.4.4 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****Response:** 72.96

3.4.4.1 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

2016-17	2015-16	2014-15	2013-14	2012-13
550	570	870	756	585

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

3.5 Collaboration

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

Response: 23

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

2016-17	2015-16	2014-15	2013-14	2012-13
11	5	4	2	1

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

3.5.2 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)

Response: 18

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

2016-17	2015-16	2014-15	2013-14	2012-13
10	7	1	0	0

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

NAAC

Criterion 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.

Response:

Samskruti College of Engineering and Technology (SCET) campus has three blocks namely Block-I, Block-II, and Block-III. Block-I consists all engineering streams, MBA, administrative area, accounts area etc. Block –II has main library, Class rooms, Health centre, women empowerment cell, other committee cells, etc. Block-III is allocated for I year class rooms and cafeteria. The infrastructure is equipped with inherent qualities of excellent clean and green concepts with state-of-the-art ICT facilities. The institution has adequate and pleasant ambient class rooms and fully equipped laboratories.

The Institute strictly follows the norms provided by AICTE and JNTUH University for creating and enhancing the infrastructure that facilitate effective teaching and learning in proportion to the student strength in different streams. The Institute focuses on developing good and modern infrastructure like ICT enabled classrooms, hi-tech laboratories, library with reading rooms, internet facility, parking facility, play ground and canteen. In addition with this, the institution is also built with ultra modern Auditorium, Conference halls, Video Conferencing halls, Group Discussion rooms, and Seminar halls to provide state of the art education to the students.

The library has 5238 titles, 34124 volumes of books, journals subscription for 94 online journals and web based resources to facilitate teaching, learning and research activities. Apart from the central library, each department is having separate departmental library. E-learning facility is provided which covers a wide set of applications and processes, including computer based learning and virtual labs learning. For self learning, reference books for all the subjects are available in the central library. Common Room for girls is available in the campus.

The *institute* has also installed Closed Circuit Television Cameras (CCTV) in all the class rooms to observe the academic atmosphere and safety of the students. In case of emergency, a first aid cum sick room and a girl's common room is also provided in campus.

The Institute strives to create or enhance the infrastructure in view of a healthy, comfortable and technology based environment required for effective teaching and learning process. The institution constantly and continuously expands and upgrades the required infrastructure facilities, in view of the changes of the University syllabus.

The Institute has planned and constructed all the infrastructural facilities required for the curricular and co-curricular activities. All the departments are fully equipped with the necessary infrastructure to meet the ever increasing requirements with adequate class rooms, seminar halls, tutorial rooms, laboratories and sufficient space for hosting all academic activities. Above all, the institution is having vibrant and inspiring faculty members to stimulate the teaching learning process effectively.

File Description	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

Response:

The institute considers co & extra-curricular activities as integral to the holistic development of the students. So the institution has a definite policy and plan of action as below:

- 50% of the students to participate in at least one activity in a given year.
- The institute facilitates the participation through provision of attendance, conduct of special classes to cover the syllabus, etc.
- Financial support is provided in the form of TA and DA.
- Coaching/mentoring to be provided by professionals

Following are the list of facility available in college

SI.NO	Name of the facility	Quantity	Area	User rate
1.	Table tennis-	3Nos	9/5,S.Feets	3X4=12
2.	Carroms-	05 Nos	-----	5X4=32
3.	Chess	o	-----	5X2=10
4.	Suttle badminton-UC	4Nos	13.4/6.10,Mts under construction(Civil labs)-	1x4=4
5.	Cricket	1Nos	60,Mts	15+15=30
6.	Foot ball	1Nos	100/50,Mts	15+15=30
7.	Hockey	1Nos	100/50,Mts	15+15=30
8.	Basketball	1Nos	28/15,Mts	1x20=20
9.	Volleyball	2Nos	18/9,Mts	2x20=40

10.	Throw ball	2Nos	18.30/12.20,Mts	2x20=40
11.	tennicoit	1 Nos	12.20/5.5 Mts	1x4=4
12.	Kho-Kho	1Nos	29/16,Mts	12+12=24
13	Kabaddhi	2Nos	13/10,Mts	2x(10+10)=40
14.	Athletics Track-1Nos	8 lines	400,Mts,	100

Yoga Centre :

Now a days students and every one seeks to improve their life goals. In the Journey to reach their goals they face different obstacles. To overcome these obstacles one of the ancient processes is Yoga. The original context of **Yoga** was spiritual development practices to train the body and mind to self observe and become aware of their own nature. The **purposes of Yoga** were to cultivate discernment, awareness, self-regulation and higher consciousness in the individual.

A Yoga Centre was established in December 2010 at Samskruti College of Engineering & Technology. To run the activities of the Yoga Centre, the institution has provided the required staff, accommodation and equipment. Few extension lectures were arranged by the Yoga Centre for the benefit of the staff and the students of the college. Some eminent personalities in the Yoga field have delivered the extension lectures.

Strategies:

- Sports and Games Committee, Cultural committees are formulated to monitor and ensure participation of all students in extracurricular and co-curricular activities.
- Information regarding various events, venues, deadlines is centrally collected and regularly communicated to all the students.
- Special scholarships are being provided to the students who excel in the activities.
- Encourages participation in inter collegiate tournaments conducted in Cricket, Volleyball, Basketball, Tennis, Table-Tennis, Athletics etc. by providing special coaching facilities.
- Merit certificates and mementoes are awarded to winners and runners for boys & girls at Institute Annual Sports Day celebrations.

c) Other support provided:-

- Institute has two qualified physical directors to guide the students to excel in games & sports.
- Special physical infrastructure such as net practice for cricket, rollers for pitch preparation, a full sized cricket and football ground, an international standard athletics track, a fully covered tennis court, basketball court are provided. Around 40-45% of the students have actively involved and participated in intra-college and inter-college and state level competitions and won prizes.

File Description	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

Response: 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 49

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document
Link for additional information which is optional	View Document

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

Response: 100

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

2016-17	2015-16	2014-15	2013-14	2012-13
285.28	450.01	132.22	191.67	308.07

File Description	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)

Response:

- Samskruti College of Engineering and Technology has clear vision and mission towards empowering the academic activities.
- The central Library had been renovated with fully automation and in digital aspect. To improve and streamline the library operations in a more effective and efficient manner the KOHA software is used which is a next generation digital library system The KOHA software is the automation of the complete library system that can lend books, CD's, Journals, and Magazines to the account holders in the organization.
- The KOHA software also consists of the Flexi reports generate system for the librarian to find the number of books and cost of books (branch wise and category wise). It also generates the bill details whenever needed. It also provides facility to mail the vendors about the books that are to be purchased and provides the pie-chart representation of the reports for ease.
- Also includes modules for creating a poll for selection of new books to be purchased. This is done by the KOHA software Administrator using create polls module. Account holders can also suggest books apart for the books that are kept for poll and include self developing modules for new categories that are added, Barcode implementation, Daily Alerts for Belated Magazines.
- The KOHA software provides the modules for Account holders to search, reserve and rating for the books. It provides efficient searching for the books by the providing the advanced searching options like search by author, title, edition and call number. The Account holders can place a request for the book. Data Entry Operators can enter the information about the Books/CDs/journals/Magazines, Account holders' information and can also use the search module.

File Description	Document
Link for Additional Information	View Document

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

Response:

S.No	Name of the book/ manuscript	Name of the publisher	Name of the author	N	cc
1	Rapidex Computer Course	Oustak Mahal	Vikas Gupta		1
2	Pleading Guilty Scott Turow	Warner Vision Company	Ross Thomas		1
3	The Random House Dictionary	Ballantine Books	Jess Stein		1
4	Sophocles Oedipus Rex	Rama Brothers	Ramjilal		1

5	Inventions That Changed the World	National Book Trust	MIR Najbat Ali		1
6	Websters Pocket Dictionary of the English Language	Trident International	Radcliffe		1
7	Arnolds Essays in Criticism-II	Lakshmi Narain Agarwal	S.K.Banerjee		1
8	Dryden An Essay of Dramatic Poesy	Lakshmi Narain Agarwal	P.S.Avadhani		1
9	Selected Poems of W.B. Yeats	Macmillan Moulds Minds	S.Ramaswami		1
10	Selections from John Keats	Macmillan Moulds Minds	Satyanarain Singh		1
11	Panorama A Selection of Poems	Oxford University Press	J.W Peterson		1
12	The Battle of the Books	Rama Brothers	Ramji Lall		1
13	Indian Philosophy	T.T.D Religious	Bulusu Venkateshwarlu		1
14	Alfred Tennyson In Memoriam	Lakshmi Narain Agarwal	R.L.Varshney		1
15	An Incomplete Education	Ballantine Books	Judy Jone & William Wilson		1
16	Victorian Poetry A Selection	Macmillan Moulds Minds	V.S.Seturaman		1
17	Preface To Shakespeare	Lakshmi Narain Agarwal	P.Ssastri		1
18	Walt Whitman Select Poems	Lakshmi Narain Agarwal	P.S.Sastri		1
19	Facts of India				1
20	Political and Cultural History of India	Dr.Prema Ramakrishna	S.Natarajan		1
21	100 Great Adventures	Rupa&Co.	John Canning		1
22	Handbook Of Business Letters	Super Book house	L.E.Frailey		1
23	A Study Of Nehru	A Time Of India Publication	Rafiq Zakaria		1
24	Height's Advance Technical Dictionary	N.H Publications	Dr.Gupta &R.Dev		1
25	A Guide to English Compostion	Geofrey Cumberlege	J.O.Bartley		1
26	Standard Illustrated Dictionary of The English Language	Bhargav Book Depot	Prof.R C Pathak		1
27	Foudations Of Science(Frontiers Of Science)	Greystone Press	Lesile basford,Philip Kogan		1
28	Foudations Of Science(The Science Of Movement)	Greystone Press	Lesile basford,Philip Kogan		1
29	Gautama Buddha	Oxford University Press	Iqbal Singh		1
30	Bhagavadgeetha	Bhakthi vedanta Book Trust	Dr.D.Venkatavadhani		1
31	Vivekananda A Biography	Swami Nikhilananda	Advaita Ashrama		1

File Description	Document
Any additional information	View 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

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: A. Any 4 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)

Response: 5.09

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

2016-17	2015-16	2014-15	2013-14	2012-13
4.94	9.24	2.11	2.53	6.63

File Description	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**Response:** Yes

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

4.2.6 Percentage per day usage of library by teachers and students**Response:** 56.11**4.2.6.1 Average number of teachers and students using library per day over last one year**

Response: 900

File Description	Document
Any additional information	View 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****Response:**

- The Institute is provided with an internet facility of 50 Mbps dedicated line. The Institute has upgraded to have a MoU with Reliance Communications for Jio network establishment.
- The College upgraded to Intel Core I3 Systems for executing the advance Laboratory Software like AutoCad 2018, Fusion 360, Revit, StaddPro, All the important Systems are protected / Upgraded with latest Anti Virus Software with internet security.
- Every classroom and Staff room has been updated with Wi-Fi connectivity.
- Classrooms are equipped with ICT facilities like LCD Projector, LAN / Wi-Fi Connectivity to enhance teaching-learning process. Few of the classrooms have N-Computing devices configured to enable Server based Content Projection.
- The Institution has a total of 574 computer systems serving 1447 students to meet the ratio as per the AICTE / University norms.
- IEEE, Delnet, J-Gate , N-Digital and NPTEL lecturers can be accessed from any system within the institute.
- The campus is Wi-Fi enabled.
- The College is upgraded with Library Management System of KOHA software to manage all library operations.
- Central Computing Facility is provided with 60 systems all connected in LAN and with printer facility.

- Recently the college upgraded with all the LAN cables from CAT-5 to CAT-6.
- For bandwidth distribution, Router has been upgraded to RBX 1100 Series.
- The 45 KVA generator upgraded to 125 KVA.
- The Institute implemented faculty Aadhar enabled Bio-metric Attendance System.
- The Institute has installed CCTV cameras for 24x7 campus surveillance.
- Since the IT field is continuously evolving, the committed IT team is continuously upgrading the facilities through market research so that the best of the facility are provided to the students to make the learning effective and relevant.

File Description	Document
Link for Additional Information	View Document

4.3.2 Student - Computer ratio	
Response: 2.52	
File Description	Document
Student - Computer ratio	View Document

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)	
<5 MBPS	
5-20 MBPS	
20-35 MBPS	
35-50 MBPS	
Response: >=50 MBPS	
File Description	Document
Details of available bandwidth of internet connection in the Institution	View Document

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

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

Response: 65.92

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)

2016-17	2015-16	2014-15	2013-14	2012-13
148.27	358.09	87.23	110.05	229.97

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	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.

Response:

The institution is having well established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

The institution has an Administrative Officer for overseeing the maintenance of buildings, classrooms and laboratories. He works in with a group of dedicated maintenance and support staff to ensure that the buildings, equipments, and all other infrastructural facilities of the institute are continually kept in good condition. It is his responsibility to ensure the cleanliness of the facilities and the surroundings.

- The Administrative Officer also coordinates with the Institution's efforts for disaster preparedness (like fire, storm, earthquake, etc). He is responsible for conducting mock drills with staff and students for disaster preparedness. Apart from the indoor facilities, he also looks after the maintenance of outdoor areas, such as playground, parking areas, lawns, gardens etc.
- Infrastructure related problems are attended promptly by the maintenance staff under the supervision of the Administrative Officer.
- As a policy, faculty members, staff, lab assistants, drivers and other service personnel are given

responsibility to maintain the equipments under their supervision and report to the Administrative Officer, if additional maintenance assistance is required for those equipments.

To improve the physical ambience of the campus, several initiatives are taken from time to time. Some of these are:

- Periodic painting and white washing of building and labs
- Ground-men for maintaining grounds, lawns and upkeep of plants
- Tree plantation drives every semester
- Adequate Housekeeping staff for general cleaning
- Adequate Housekeeping staff for Rest rooms
- Dustbins at proper places

For maintenance of equipments, computers, lab equipments etc., the institute has AMC with relevant agency.

- Maintenance of A.C. plant is outsourced
- Auditorium, cleaning and maintenance is done by internal staff member
- Cleanliness & daily maintenance of the interior facility (classrooms, laboratories, hallway, and staircase) is done by Class IV employees of the Institute under the supervision of the Administrative Officer and surprise check is done periodically.
- Cleanliness of toilet blocks and wash room have been done by the in-house employees
- Maintenance of CCTV is done by the in-house employee and is maintained in coordination through technical person of system administrator.
- ICT infrastructure is maintained by computer centre personnel.
- Other maintenance related issues are attended by carpenter and electrician of the institute.
- Water tank cleaning is done quarterly
- Carpentry, plumbing and clerical maintenance is done by the in-house carpenter, plumber and electrician respectively.
- Stock verification of Library, Laboratories are done for every six months.
- Sport equipments maintenance and stock are verified for every six months.

File Description	Document
Link for Additional Information	View Document

Criterion 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

Response: 76.84

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

2016-17	2015-16	2014-15	2013-14	2012-13
411	586	804	932	792

File Description

Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Document

[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

Response: 84.61

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

2016-17	2015-16	2014-15	2013-14	2012-13
502	685	948	932	805

File Description

Number of students benefited by scholarships and freeships besides government schemes in last 5 years

Document

[View Document](#)

5.1.3 Number of capability enhancement and development schemes –

1. 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

A. 7 or more of the above

B. Any 6 of the above

C. Any 5 of the above

D. Any 4 of the above

Response: A. 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 student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

Response: 86.11

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

2016-17	2015-16	2014-15	2013-14	2012-13
648	761	814	865	776

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

Response: 68.37

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

2016-17	2015-16	2014-15	2013-14	2012-13
445	610	545	650	800

File Description

Document

Details of the students benefitted by VET

[View Document](#)

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

Response: Yes

File Description

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

Response: 56.92

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

2016-17	2015-16	2014-15	2013-14	2012-13
217	247	248	291	212

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)

Response: 62.63

5.2.2.1 Number of outgoing students progressing to higher education

Response: 176

File Description	Document
Any additional information	View 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)

Response: 56.64

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

2016-17	2015-16	2014-15	2013-14	2012-13
13	39	54	53	62

5.2.3.2 Number of students who have appeared for the exams year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
40	50	100	85	110

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.

Response: 25

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

2016-17	2015-16	2014-15	2013-14	2012-13
6	5	3	1	10

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

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

Response:

- The institution has an active student council who actively take part in the academic and administrative decision making. The Council very diligently looks after the academic and extracurricular needs of the students. The union follows up the demands of the students and ensures that the grievances of the students are redressed.
- The council is responsible for looking into most of the student activities on campus. It looks after the various students' committees, its initiatives, technical /academic programs as well as student grievances that may come up. It handles all major festivals and events and looks into most of the student activities. It also negotiates and communicates between the student community and the institution.

Objectives

- To foster, develop and increase students' social awareness.
- To promote interaction and knowledge sharing.
- To nurture the aptitude of the student community for holistic development.
- To promote and develop organizational ability.
- To offer desk support for all student activities.

Contribution of the Student Council in Academic Administration

- Coordination in day to day academic activities at their level
- Coordination in communicating the information between students and Teaching faculty
- Coordination in organizing Cultural events along with cultural committee
- Coordination in organizing Sports & Games for the students along with Sports committee
- Coordination in arranging Industrial Visits for the students
- Coordination in inviting the external guest speakers and organizing the Seminars & Workshops
- The student council shall approve and ratify the proposals for the formation of various committees

in the Institute.

The institution provides necessary support to the council and committee members in organizing & coordinating the events. It encourages the students to develop their leadership skills through these activities. Student members in this council can become real heroes and competent managers in future by learning all these skills. The Student Council and the various Committees shall regularly review their concerned activities and make suggestions to improve their functioning, if and when necessary.

Composition:

- The President – Final year Student
- Convener – Senior Faculty
- General Secretaries – Grievance Redressal Cell
- General Secretaries – Library Committee
- General Secretaries - Sports Committee
- General Secretaries – Cultural Committee

Apart from student council, students are also encouraged to involve in various academic & administrative bodies/committees of the institution. The details are given below.

S.No	Forum/Committee	No of Student Members	Frequency of Meetings
1.	Planning and Monitoring Committee	2 Students	Yearly
2.	IQAC	2 Students	Yearly
3.	Class Committee	5 Students each class	Twice in a semester
4.	Grievance Redressal Cell	3 Students	As and when required
5.	Sexual Harassment Prevention cell	3 Students	As and when required
6.	Library Committee	5 Students	As and when required
7.	Sports Committee	5 Students	As and when required
8.	Cultural Committee	5 Students	As and when required

File Description

Document

Link for Additional Information

[View Document](#)

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

Response: 14.4

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

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

File Description	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

Response:

The concept of alumni association evolved for needs from both the ends, i.e. academicians and professionals, in the aim of building a bridge between college life and career life, so that the fresher graduates are made proactive to face the current challenges of competitive professional world. Both the ends shall work hand in hand to help each other for achieving the goal. The idea took shape and formation of Alumni Association turned into reality.

The institution has an Alumni Association. Its activities are the major contributions for institutional, academic and infrastructure development. Alumni are adding values to the reputation of institution with their influences to the society, since they are working in various parts of the world. The institution's Pass outs are outshining in the world and are taking the name of our Nation and their Alma Mater on greater heights. Formal Alumni Meets are such opportunities which enable Alumni to reunite with their friends and faculty members, revitalize their memories and share experiences of their past and present life. At the same time it also enables us to receive constant updates of our Alumni and to have structured engagements with our Alumni of mutual interests and gains.

- Alumni association has been established in the institution with the mission of reconnecting and maintaining a lifelong connection between the institute and its alumni.
- The college organizes alumni meet periodically and collects the feedback and uses it to in the improvement of the college.
- Feedback from Alumni is also collected from time to time. This data is used to update the teaching

and learning process, particularly to implement value added courses or add-on-courses which help to fill up the gap between the curriculum and industry requirement.

Alumni are involved in the following tasks:

- **Academic Advisory Committee:** Alumni are part of the academic advisory committee
- **Internships:** Alumni provide hands-on experience for students for their professional development.
- **Placements:** Alumni create job opportunities for the students by bringing placements.
- **Lectures and Seminars:** Alumni enlighten and guide the young minds with their technical skills and expertise by engaging students in thought provoking practical sessions. In this context, Alumni lecture series is arranged by departments in which alumni interact with the students and share their expertise.
- **Financial means:** The Alumni Association extends financial help to economically backward and deserving students. They also provide guidelines to the students for better career and give the information about the latest industry requirements.

File Description	Document
Link for Additional Information	View Document

5.4.2 Alumni contribution during the last five years

<1 Lakh

1 Lakh - 3 Lakhs

3 Lakhs - 4 Lakhs

4 Lakhs - 5 Lakhs

Response: ? 5 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

Response: 5

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

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
Report of the event	View Document

NAAC

Criterion 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

Response:

Vision:

To be an institution molding globally competent professionals as an essence of noble values.

Mission:

To transform the younger generation as technically competent, ethically sound and socially committed professionals by providing a vibrant learning ambience for the welfare of humanity.

The governance of the college is conducted with the spirit of vision and mission of the institute. The head of institution, the principal, works, with heads of departments, IQAC and all the committees to achieve the vision and mission of the institute. .

- In policy formulations, teaching staff, student representatives of the college take part in different meetings convened by the college administration.
- Each department has a well-planned academic calendar and action plan before the start of each semester. The departments foster a healthy competitive atmosphere among themselves and each one strives to accomplish excellence in their standards.
- The heads of various departments conduct meetings with the staff to review the activities of the previous week and plan for the next week. The Principal reviews the processes and plans of each department.
- In order to achieve vision and mission of the institution various committees, such as cultural committee, sports committee, women empowerment cell, grievance redressal cell, academic advisory committee have been formulated and governed effectively.
- Feedback and suggestions are taken from the students with regards to conduction of lectures, practical sessions, curricular and co-curricular activities. This feedback is taken as an input to improve the teaching learning process.
- An institutional policy clearly defines the recruitment policies, service rules, leave rules administrative systems and practices including grievance redressal procedures etc.
- The following are the activities are executed to achieve the vision and mission of the institution
 - Innovative teaching learning activities
 - Industry collaboration
 - Research & Development activities
 - Extension activities
- The institution is governed effectively in all the endeavors of the institution to achieve its vision and mission.

File Description	Document
Link for Additional Information	View Document

6.1.2 The institution practices decentralization and participative management

Response:

Yes, the institution practices decentralization and participative management. Decentralization of administration is shown in organization chart.

The Governing Council and College Advisory Committee consist of eminent academicians, industrialists and administrators. The objectives of the council are to provide driving force to steer the management in administering the college competently.

The following Administrators and Academicians guide and help the management in the developmental activities of the college and its future planning.

Chairperson

He guides the general administration of the college on a day-to-day basis towards the achievement of the Vision and Mission of the College.

Secretary & Correspondent

He provides long term strategic guidance and direction to the college and plans the commencement of new courses, admissions, maintenance and development of infrastructure and other strategically important decisions.

Principal

The Principal is the head of both academic and administrative bodies. He plans and coordinates all the academic and administrative activities. He closely interacts with the Heads and faculties of the various departments and constantly monitors the teaching-learning processes, evaluation systems and students' performance improvement plans. He is the Member Secretary of the Governing Council of the college.

He also

- Monitors progress of all the academic activities
- Implements university guidelines in the institution
- Takes care of the fulfillment of all the curricular requirements
- Advises the management on introduction of new courses, faculty recruitment, up gradation of existing infrastructure facilities etc.
- Heads the Interviewing Committee for faculty recruitment as its Chairman
- Takes care of faculty development and motivates faculty and students wherever necessary
- Arranges general counseling for the students every semester

Accounts & Administrative Officer

Administrative Officer looks after the administrative aspects of the college including Admissions, finance, AICTE, JNTU Hyderabad correspondence.

Dean of R&D

1. Signing of MOU's with reputed organizations in an agreement to mutually benefit from R&D investigations.
2. In-charge for reviewing the progress of ongoing R&D projects.
3. Motivates the students to develop R&D oriented thinking.

Dean of Evaluation

1. Ensures the setting of question papers in-time and as per laid quality standards.
2. Develops and monitors the mechanism for regular conducting of assessments, awarding and recording of the marks.
3. Ensures that the college infrastructure is always ready to host internal and external examinations.

Dean of Academics

1. Ensures the scope of the curriculum, working towards full utilization of faculty expertise.
2. Ensures the quality of teaching-learning process and proper completion of syllabus.

Dean of Student Affairs

1. Resolves the conflicts between students (arises if any).
2. Ensures the orderly organisation of student's activities within the institute.
3. Encourages the participation of students in the activities that promote personal development and growth of students

Head of the Departments

HODs are responsible for the overall functioning of the department and infrastructural development, make the subject allotment based on the specialization and experience of the faculty members. Periodically reviews all academic activities.

File Description	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

Response:

The management plans to develop the institute premises by incorporating advanced infrastructure, modernizing the existing facilities, and invest more into research and development. The Principal along with the Academic Dean and Heads of the various departments plan the academic activities and route map to implement innovations in teaching and learning process etc. Deans heading the Research & Development, Training & Placement activities take decisions in signing the MOUs with industries.

Below listed are the current strategies that are included in the institute's perspective plan for development and for achieving the Vision and Mission:

1. Research Focus
 1. Planning and Establishment COEs and RCs for knowledge generation
 2. National collaborations for synergy
2. Innovative Teaching, Learning and Evaluation:
 1. Novel teaching practices
 2. Technology enabled teaching-learning processes
3. Competitive and advanced resources put into 24x7 use
4. Network centric skill development and deployment
5. Fulfilling the Gaps in University Curriculum
6. Empowered and responsive ecosystem
7. Conducting Training Programs for Industry requirement

Case Study: Successful Implementation of Innovative Projects

In order to improve research oriented approach for all the faculty and students, the R&D dean along with the Principal after thorough consultation with the Governing body, the Advisory board and the HOD's have taken up the initiative of introducing "Innovative Research Projects" for all students pursuing II, III and IV Year B. Tech in a way such that they are related to their academic laboratories which they will usually perform in every Semester. Each batch identified is expected to work upon at least one such project in a given Semester. The intention behind this is to enable the student to think out-of-box and also increase their exposure to the practical work involved.

The time-tables for every laboratory session have been revised such that the last hour of lab is allocated for working on these innovative projects. To distinguish further, the students from various years of study are given different set of instructions that they should be following keeping in mind their expertise levels in the area of study:

1. The second year students are expected to perform a project using the equipment already available in the laboratory and produce different outcomes than their regular experiments.
2. The third year students meanwhile should do a comprehensive project using the existing laboratory equipment and produce a working model/prototype. The institute will be providing a financial assistance to encourage the students further in their study.
3. Similarly, the final year Undergraduate students are expected to work on an innovative project relating to their laboratories such that it would be useful for them in getting started with their regular main project which they should be doing as a part of the University Curriculum.

In order to make sure that the innovative projects activity is running smoothly and that all the hiccups are taken care of, each innovative project batch will have a guide whose responsibility will be to address the doubts and direct the students towards correct information and material sources. The guide will also be responsible for the effective documentation and timely completion of the project. All the guides in a given department will be having a bi-weekly meeting with the 'Departmental In charge for Innovative Projects' to provide an updated report regarding the completion status of the projects for their respective batches. The department in charge will be reporting the same to the Principal/R&D Dean.

At the end of each semester, all the innovative projects performed from various batches of all departments will be scrutinized for their effectiveness, genuineness and practical usability aspects and rewards will be given in the order of merit as a token of appreciation for the top performers. Finally, the outcomes, documents, working models and prototypes arising from the whole activity will be kept in the respective laboratories such that the best ones shall be showcased to the upcoming batches. In this way, the institute has implemented its strategic plan with respect to the concept of 'Innovative Projects', improving the quality of practical education bestowed upon the students.

File Description	Document
Strategic Plan and deployment documents on the website	View Document
Link for Additional Information	View Document

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

Response:

Functions of Various Bodies

Training and Placement Cell

- To bring various software and core companies to the campus for recruitment.
- To train the students in facing interviews by arranging training courses.
- To arrange companies for internship/project works for the students.

Academic Advisory Committee

- To plan add-on courses, value added courses, vocational education and training
- To frame academic calendar

Academic Audit Committee

- Senior faculty are the members of Academic Audit Committee
- Verification of course files, attendance, question paper and internal assessment test evaluation

Processes.

- Providing feedback and suggestion to carry out the academic activity effectively.

Research and Development Cell

- Motivates the faculty members to undertake minor and major research projects from various funding agencies.
- Creates network with industries and research institutions for funding and cooperation.
- Provides guidance for publication.

Department Academic committee

- The Department Academic committee meeting is conducted twice per semester.
- Monitoring of academic activities of the department to achieve continuous improvement.

S. No.	Committee	Position
1	Head of the department	Convener
2	Faculty from the concerned department	Members
3	Faculty from other department	Members
4	Two Academic experts	Members
5	Two professional bodies	Members
6	Two Industry experts	Members
7	Alumnus	Members

Disciplinary Committee

- To maintain discipline in the campus.
- To monitor the Students – wearing of ID cards, dress code and punctuality.

Anti-Ragging Committee

- Regularly monitors the places like Canteen, Corridors, Play grounds, etc, to avoid ragging issues.
- To create awareness regarding punishments that may be given against ragging.

Grievance Redressal Committee

- To attend the Grievances of the students in respect of academic activities, transport, canteen, etc.,

Women Empowerment Cell

- To enhance the self-esteem and self-confidence of women students, staff in the college.

- To promote intellectual and cultural activities for overall personality development of student.

Faculty Development Committee

- Encourages faculty to participate in seminars, symposium, conferences, etc, conducted in other reputed institutions.
- Arranges financial support to the faculty carry out research and extension activities.

Alumni Association

- To arrange annual meeting of Alumni regularly.
- To track the alumni who can help us getting placements and arranging invited talks.

Service rules

- Pay, allowances, increments and promotions are paid as per the norms and time to time shall be issued.
- The rules related to the leaves, maternity rule, and etc, are as per the AICTE.

Recruitment Policy

The Faculty Selection is strictly based on the performance of the candidate, the weightage allotted is also given below:

1. Test of subject knowledge (40%)
2. Academic Record and Experience (15%)
3. Lecture Delivery Demo (20%)
4. Aptitude for teaching and research (15%)
5. Overall impression (10%)

The appointment is subject to the approval of JNTUH. The selected candidates are also required to appear for an interview before a panel constituted by JNTUH. The selection and the appointment are finalized only after this process.

Promotional policies and Faculty Appraisal:

Designations to the faculty and promotional policies are implemented as per the AICTE norms and JNTUH university ratification results. Increments are provided to the faculty by analyzing their appraisal.

File Description	Document
Any additional information	View Document
Link for 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

A. All 5 of the above

B. Any 4 of the above

C. Any 3 of the above

D. Any 2 of the above

Response: A. 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
Screen shots of user interfaces	View Document

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

Response:

One of the major responsibilities of College Academic Committee (CAC) is result analysis, during which the members of CAC analyzed that the results can be improved by making minor modifications to the existing teaching-learning-evaluation system. Following are some of the recommendations made by CAC through minutes of meeting to improve the overall result of the college:

1. Organizing remedial classes
2. Conducting revision classes
3. Revising the regulations for weekly tests

Increasing the pass percentage of the institute has been one of the main motto of the CAC. Hence, to improve the performance of slow learners in their respective difficult courses, the committee has come up with the recommendation of remedial classes. As a part of this, remedial classes for the semester will be starting one month before the commencement of the University Examinations. Classes are held in the evening (3:40 PM to 5:30 PM) after the completion of the regular classes one subject a day. CAC has analyzed the results of these students and has found a considerable improvement in their performance.

In order to improve the overall performance of all the students, CAC has recommended conducting revision classes to all the students which will provide a recap of the important topics and concepts that are helpful for their examination. Each subject will be allotted a 3 hour session per week for duration of 2 weeks before the commencement of university examinations. The feedback that was received from the students regarding this activity was found very positive and their confidence levels have been increased significantly. This revision activity has yielded fruitful results.

The students have always faced the challenge of having to keep abreast with the latest syllabus coverage while also keeping in mind the topics discussed at the beginning of the semester. This is due to a long gap between the learning and evaluation processes. To overcome this situation, the institute started conducting Weekly tests where an exam will be conducted every Monday on the recently covered topics for all the subjects. There was an appreciable improvement in the continuous learning process due to this. However, during the execution of the same, there were a few learning's received through feedback from both students and faculty. The CAC has analyzed the feedback and upon internal discussion have come out with the below changes in weekly test format:

- 1.Exam will be only for two subjects per week (Earlier 3 subjects).
- 2.The students will be given a question bank for preparation and the respective subject faculty shall be discussing the same prior to their exam.
- 3.Implementation of new books with provision to clearly record the marks for each test separately.

Through the above defined process, the CAC was able to successfully implement resolutions for the points that were discussed in its scheduled meetings.

File Description	Document
Link for Additional Information	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

Response:

The institution takes all sorts of welfare measures for the development of teaching and non-teaching staff. The wide range of educational opportunities is provided for staff at all levels who want to learn new skills and enhance their performance.

- Faculty is encouraged to enroll as members of various professional societies.
- Concessions are given to faculty for pursuing higher studies by way of special leave/concession in teaching load.
- Concession in fees is given to encourage the non- teaching staff for pursuing higher studies.

- In-house faculty development programs are conducted to enhance professional, teaching and communication skills.
- Training programs for staff are provided for up gradation of technical skills.
- Research facilities are provided to the faculty to present their research work at conferences (National and International) and share their technical expertise as resource persons.
- All adequate facilities are provided to the faculty to make best use of all the resources like Internet, e-learning resources, library facilities, National and International journals, lectures of experts from reputed institutes (NPTEL) and deliver best services to the institution.
- Various workshops are conducted to motivate staff by including components of stress management, improving interpersonal skills and creating a psychological climate conducive to professional and personal growth.
- All facilities such as use of laboratories, use of computers, e- library are provided to faculty to pursue research. A Central Research facility is also available for facilitating experimentation and high end computing.
- In order to build knowledge, institute organizes various programs for the staff.

File Description	Document
Link for Additional Information	View Document

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

Response: 7.73

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

2016-17	2015-16	2014-15	2013-14	2012-13
20	13	12	8	20

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

Response: 5.8

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

2016-17	2015-16	2014-15	2013-14	2012-13
5	6	4	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

Response: 9.59

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

2016-17	2015-16	2014-15	2013-14	2012-13
30	20	16	12	15

File Description	Document
Details of teachers attending professional development programs during the last five years	View Document

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

Response:

The appraisal report of faculty is made by the concerned head of the department on the basis of his/her yearly achievements, discipline, quality etc. and is then submitted to the head of the institute. This besides the assessment of the teachers comes through the feedback forms, which in turn indicates the teachers' quality by the students also. All the students from each and every class and section are expected to do so for all the teachers concerned with their classes. The identities of students are not disclosed. The feedback form has a well-defined set of questions that help the students to evaluate the teaching capacity based on lecture understanding and define how far the teacher has succeeded in reaching out to the students and attaining the course outcomes. These details are accessible to staff so as to help them judge their performance.

The Principal understands the student community reflections and shares it collectively and individually across the staff. If there are any issues of concern, the faculty member is facilitated to overcome the lacunae without lowering his/her self-esteem. Wherever required, counseling is provided to staff in order to help them improve their professional capabilities. In addition, the annual self-appraisal is conducted by issuing a specific format, based on which the Principal writes a report and the same is sent to higher authorities. The participation of the teachers in various institute affairs is closely monitored by the principal. The head of institution also uses evaluation in an informal way to improve the services of the office staff. The achievements of faculty members are monitored and updated in the institute records.

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

Our institution is having both Internal and external audit. Internal auditors visit monthly once and close the previous month's transactions verification. They will prepare a consolidated month wise statement and submit the same to the management. The Management in turn will give the report to our External audit and ask them to verify for compliance.

Internal Audit

Internal audits are conducted by the accounts section of the college. All vouchers are audited by an internal auditor daily.

External Audit

External audits are conducted by a registered Chartered Accountancy Firm. The report of external auditor of the last year along with audited Balance Sheet and Income & Expenditure account is enclosed.

Major Expenses:

Items	2017-18	2016-17	2015-16	2014-15	2013-14
Infrastructure Built-Up (Buildings)	6,63,574	13,55,305	1,228,150	7,92,559	3,929,812
Library	6,48,304	5,80,914	245,692	3,04,319	7,37,010
Laboratory Equipment	24,84,896	1,17,96,081	-	2,432,722	6,27,560
Laboratory Consumables	2,17,980	7,40,060	-	-	69,990
Teaching & Non-Teaching Staff Salary	4,84,48,900	5,23,98,575	103,207,175	42,573,925	76,367,515

Maintenance and Spares	4,98,300	6,40,560	1,784,150	1,748,600	1,889,034
R & D	-	10,00,000	-	-	-
Training and Travel	4,79,700	3,85,220	2,54,712	2,58,000	235,500
Miscellaneous expenses*	7,20,550	6,29,370	4,03,450	1,78,700	164,834
Others, specify	515,377	5,366,500	337,934	385,676	353,982
Total	117,577,879	130,157,077	107,461,263	48,674,501	84,305,247

File Description	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)

Response: 7

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

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

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

Response:

The college is having an effective mechanism to monitor effective and efficient utilization of financial

resources. The budget for the running of the institution for the forth coming academic year is devised by considering probable expenses and incomes. The Head of the Institution ascertains the expenses incurred for implementing institutional plans.

The institutional level budget is prepared every year by considering the various components such as:

- Providing laboratory facilities (Recurring and non-recurring),
- Research and Development activities.
- Internet connectivity, campus electricity and telephone charges
- Sponsoring faculty members for seminars, workshops and conferences
- Construction and maintenance of buildings, salary to teaching & nonteaching staff.
- Purchase of books and subscribing for journals in the library
- Organizing events in the college such as College Day, Tech-fests and Sports Day.

To purchase any essential equipment or other major items, the heads of the respective departments propose the requisition to the Principal for sanction. Quotations are then assessed, comparative statement is prepared, suppliers are called for personal discussion and after comparing all quotations and service from various suppliers, orders are placed.

This ensures that right equipment is purchased at most competitive price. Further accounts of the institution are subject to internal and external audit. Any discrepancy in internal audit will be brought to the notice of the principal. Budget is prepared at the beginning of the year and actual expenses incurred during the year are compared with budget and any major variation is discussed by the Principal with concerned person.

The college is self-financed and receives no funding from the Government. It solely depends on the tuition fees collected from the students.

File Description	Document
Link for Additional Information	View Document

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

Response:

IQAC meeting with various stake holders:

The institution has formed Internal Quality Assurance Cell (IQAC) as per rules and guidelines made by NAAC, Bengaluru. The main aim and policy of IQAC are quality enhancement, quality encouragement and quality sustenance in all academic and administrative activities. IQAC takes care of academic aspects, such as curricular aspects, teaching learning process, evaluation, research, academic audit and extension of community activities.

Different committees have been established to support IQAC activities and to maintain and enhance the quality assurance in the institution. In these ways, IQAC contributes in institutionalizing quality assurance process and progress.

IQAC organizes meetings with stake holders like management, staff, non teaching staff, students, alumni, PTA, experts and industrialist. The IQAC discusses to enhance quality assurance in all fields.

Enhancement in Quality Assurance, Quality Encouragement and Quality Sustenance in all Academic Activities:

Quality enhancement in the academic performance of the students creates lot of job opportunities for all out gone student of the institution. IQAC has made significant contribution to improve the facilities in all areas of the institution.

IQAC evaluates the academic quality of the institution and academic performance of staff and students' progression and infrastructure facilities, like well equipped lab and improving modern internet facilities in library. The internal quality assurance has contributed more in enhancing quality assurance, quality encouragement and quality sustenance in all academic performance of all departments.

Functions of IQAC

- Development and application of quality benchmarks/parameters for the various academic and administrative activities.
- Facilitating the creation of a learner-centric environment conducive for quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process;
- Arrangement for feedback responses from students, parents and other stakeholders on quality-related institutional processes;
- Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles;
- Documentation of the various programmes / activities.
- Acting as a nodal agency for adoption and dissemination of good practices;
- Development and maintenance of Institutional database through MIS

File Description	Document
Link for Additional Information	View Document

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**Response:**

The IQAC meets with staff and students periodically for adopting the modern and technical methods in teaching and learning processes and enhances innovative methods. The IQAC reviews teaching and learning process continuously and make evaluation in teaching and learning process.

Principal, HODs, IQAC coordinator evolve strategies to enrich the required and updated curriculum based on the feedback obtained from students, Teachers, Parents, Alumni and academic experts. Innovative teaching like ICT tool enabled LCD, OHP projector and audio visual sources are introduced and adopted as per the suggestions and advises received from the stakeholders from time to time.

The members of IQAC periodically review the progress and CO&PO attainment level in each department. The members of IQAC suggest in filling up the gap between the curriculum and industry need, if any.

Apart from the above stated IQAC helps to maintain and sustain all quality parameters of the institution in every aspect of academics right from the formulation of academic calendar.

File Description	Document
Link for Additional Information	View Document

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

Response: 1.8

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

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

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	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

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: B. Any 3 of the above

File Description	Document
Details of Quality assurance initiatives of the institution	View Document
Annual reports of institution	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*)

Response:

- The no. of paper publications has been improved in all the departments.
- The no. of PhD holders and Ph.D pursuers has been increased.
- Placements have been improved.
- The number of admissions has been improved.
- Institute infrastructure has been improved to accommodate increased in intake, research activities.
- 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 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. Providing increased physical infrastructure in laboratories with hardware and software tools for teaching, learning and research.

NAAC

Criterion 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

Response: 15

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

2016-17	2015-16	2014-15	2013-14	2012-13
3	2	2	6	2

File Description

Document

List of gender equity promotion programs organized by the institution

[View Document](#)

7.1.2

1. Institution shows gender sensitivity in providing facilities such as:

1. Safety and Security
2. Counselling
3. Common Room

Response:

a) Safety and Social Security:

The Institute has a special Women Empowerment Cell which will take care about all issues related to female students and female faculty.

This cell specially concerns about safety of the women in the campus and in the buses. Apart from safety concern, the cell will also conduct various social security programs in regular intervals to provide the awareness on gender equity in the society.

b) Counselling:

One of the best practices in the Institution is a Counseling System. The Counselling System is organized by Heads of the Departments, Department Counseling in-charge and counsellors. For any sensitive issues related to girls apart from counsellor, Women Empowerment Cell will concern about those issues and they will take necessary actions if required.

c) Common Room:

The Institute has two waiting rooms for boys and girls separately. These rooms are fully equipped with good furniture attached with wash rooms.

7.1.3 Alternate Energy initiatives such as:**1. Percentage of annual power requirement of the Institution met by the renewable energy sources**

Response: 81.18

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

Response: 82800

7.1.3.2 Total annual power requirement (in KWH)

Response: 102000

File Description**Document**

Details of power requirement of the Institution met by renewable energy sources

[View Document](#)

Link for Additional Information

[View Document](#)

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 33.33

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

Response: 1728

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 5184

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**

Response:

Waste : Any unwanted or undesirable material, solid, liquid or gaseous occurring in the environment, responsible for degradation of environment.

Types of Waste:

Solid Waste : It includes Municipal solid waste, e-waste, industrial and commercial waste, construction and demolition waste, bulky waste, thermal waste, nuclear waste, biomedical waste, hazardous waste which are released into the environment from different sources of waste generation.

Different types of wastes in the college campus are disposed in a proper and scientific manner with the help of certain private agencies that collect the waste and use it for recycling or generation of electricity. We have a mechanism of separating Dry and wet waste.

Solid Waste Management

- ` .Wastes are reused to be valuable as normal compost
- ` .Utilization of plastic is entirely denied in the campus.

Liquid Waste Management

- 1.A mineral water plant is provided for safe drinking water to all.
- 2.Rain water reaping has been actualized inside the grounds.

E-waste management

- a. E- waste is utilized further for specialized instructions for show and study.
- b. Wherever re-building is extreme hazardous, the e-Squander is arranged according to the standards advanced by the producers.

File Description	Document
Link for Additional Information	View Document

7.1.6 Rain water harvesting structures and utilization in the campus**Response:**

Rain water harvesting is a scientific technique towards conservation of rain water especially during rainy

season and involves construction of certain scientific rainwater harvesting structures such as Recharge pits, Percolation tanks, etc.

These scientific R.W.H structures should be designed in areas of acute scarcity of water. The methods of R.W.H include:

a. Diversion of rain water accumulated on the roof top of a building through pipes into Recharge pits/Percolation tanks designed at

ground level just before rainy season.

b. To limit the wastage of water assets and to enhance the ground water level, the rain water is coordinated into the Water pits

situated in the grounds.

File Description	Document
Link for Additional Information	View Document

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**

Response:

The Institution has given utmost priority for protection of environment by developing greenery in and around the college premises. The management does not allow students to use bikes and other vehicles within the campus. The students are also motivated not to use of vehicles in the campus.

The parking area was created adjacent to the main gate, making all the staff, students and others to aware of the green campus concept.

We take up plantation programmes frequently with the active participation of students so that they will understand the importance of environment and ill-effects of pollution .

Bicycles

A bicycle is the easiest, most economical way for many students seeks to encourage cycling among students, staff and faculty members and strive to improve the overall health and well-being of the campus community. Cycling is quickly raising to the top as a means of transportation. It is virtually cost-free,

pollution less which allows much closer access one's destination.

Public Transport

Apart from the college transport facility, the members of students use public transport for their convenience. The institution instructs the students to practice transportation etiquette like to remain polite and courteous, not to block the flow of traffic, offer their seats to the elderly or injured persons and pregnant women, to take care of their belongings etc.

Pedestrian Friendly Roads

The institution wants to expand the pedestrian friendly surrounding the college to encourage more multimodal transportation.

Plastic free campus

Plastic free college is a program of the institution which aims to measurably reduce plastic pollution on college campus with a special focus on the reduction and ultimately the elimination of plastic bottles, plastic straws and poly bags.

Paperless Office

The world is advancing so fast and quick with internet and software services and therefore paperless offices are becoming trendy. The institution promotes paperless office as it happens to be a much better and green option than using the means of paper. This kind of paperless office helps to reduce carbon footprint, possibility of store and saves up time.

Green landscaping with trees and plants

- The college organizes various programmes to create awareness among students in the campus and involve them in maintaining eco-friendly environment.
- Medicinal plants and herbal garden are maintained.
- Plan to develop a centre for environmental management in the campus
- Conducting awareness programmes by NSS,
- Display the Aim in the campus: "Save Trees-Save Lives!"
- Haritha Haram (planting trees) across the campus.
- Promoting the soul of 'Swachh Bharat' on grounds through including the understudies and the staff in 'Swachh' program.
- The campus is also involved in use of renewable energy in the form of solar panels, LED's for conservation of energy.

File Description	Document
Link for Additional Information	View Document

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years**Response:** 0.69

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)

2016-17	2015-16	2014-15	2013-14	2012-13
2.03	1.28	2.3	0.8	0.9

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)

A. 7 and more of the above**B. At least 6 of the above****C. At least 4 of the above****D. At least 2 of the above****Response:** B. At least 6 of the above**File Description****Document**

Resources available in the institution for Divyangjan

[View Document](#)

link to photos and videos of facilities for Divyangjan

[View Document](#)

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years**Response:** 19

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

2016-17	2015-16	2014-15	2013-14	2012-13
4	4	3	5	3

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)****Response:** 19

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

2016-17	2015-16	2014-15	2013-14	2012-13
4	4	3	5	3

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****Response:** Yes

File Description	Document
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	View Document

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

Response: 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

Response: 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

Response: Yes

File Description	Document
Provide link to Courses on Human Values and professional ethics on Institutional website	View Document

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

Response: Yes

File Description	Document
Provide URL of supporting documents to prove institution functions as per professional code	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

Response: 5

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

Response:

India is a nation of festivals and fairs. Most of the festivals are linked with great leaders. A number of different festivals are celebrated in our Institution throughout the academic year. These are based on religion, seasons and some are also of national importance. No matter what the festival is, we celebrate each one with a great enthusiasm and vigour.

Independence Day, Republic Day, and Gandhi Jayanti are celebrated by giving the respect to the national leaders of the country. We conduct seminars on birth days of Gandhi, Nehru, Patel and encourage students to participate in all.

The Engineers' Day on September 15th of every year is celebrated in the Institution by remembering Mokshagundam Visveswaraya.

The celebrations of the great leaders' birth/death make the students enthusiastic and colourful. These celebrations make all the students together and unite them. The communal hatred existing in the society is forgotten during the festivities and a spirit of oneness unites the people. They forget any ill-feeling which existed. Thus, the celebrations in the Institution are very important for the students and it is essential to keep the spirits of harmony and goodwill amongst the citizens of the country.

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Response:

- The Staff Academic Council headed by Principal with HODs, librarian, discuss in staff academic council meeting regarding the required fund of various departments, lab and library. The Principal and HODs submit expenditure statement to the management for allocation of fund to various items and programmes like tuition fees, interest on bank deposits and other miscellaneous items such as research tuition fees and exam fees.
- The external Auditor verifies income and expenditures of various aspects. Receipts and payment vouchers of daily transaction are checked by external auditor after scrutinizing and preparing the income and expenditure statement. External Auditor will submit the audited statement to the management.

- Education is a process of all round development of an individual-Physical, Intellectual, Emotional, Social, Moral and spiritual. The teachers are the facilitators and inculcator of values and transformer of inner being. The institution does not consider education as mere acquisition of information, passing examinations and getting degrees. The college insists to instill a sense of humanism, a deep concern for the well being of others and the nation. The institution adopts a number of activities like instruction, relationship between students, Curricular activities etc. To inculcate basic integration among the students and faculty members.
- The institution strives to give a best place to work for the faculty. It aims to ensure production, Security, Cultural and Social development, Welfare, Good environment and offer opportunities for all according to their ability without discrimination.

7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Response:

Best Practice I

1. Title of the Practice:

Campus Recruitment Training (CRT) and Communications Skills Trainings

1. Objectives of the Practice:

To improve the quality of career choices for students with prominent institutions / universities in prominent institutions / universities for higher education.

1. The Context:

Students entering the institute typically have an average / less average academic record like SSC, 10+2 and EAMCET. Many students are from rural / semi-urban backgrounds. Their communication skills, worldly exposure and overall faith are challenging ones. Consequently, the general estimates of students and parents are completed by completing the programs and entering higher studies in a placement or average academic institution in a service sector. In this case, the goal is to provide employment to such students.

1. The Practice:

To achieve such success, the company realizes that spaces in students' skills can be addressed in different fields:

- Technical skills to international standards
- To improve the Communication skills
- To have a positive attitude and pleasant personality

For the above mentioned, the institution has set up the Training / Supplementary Skill Development Mechanism from the first year of the program. The following actions have been taken:

Communication skills training in the first year of the program.

Extensive technical skills development programs in second year and third year.

Various small projects to develop application skills in students.

- Continuous interaction with students from leading industries and universities helps to get their expectations

Third year campus recruitment training to improve quantitative, logical, logical, oral and programmatic skills.

1. Evidence of Success:

The above practices have resulted in the selection of students into the following companies:

Placement details get from TPO & brochure.

1. Problems Encountered and Resources Required:

Students from rural / semi-urban backgrounds are not comfortable with many communication skills. It has become a tough task for educators understanding awareness and creating interest among students in English speaking. In addition, they are expected to opt for a selection of other companies from the mainstream organizations like IITs / NITs not only in the domain of students.

The company has conducted extensive awareness sessions and inspiration sessions since the first year to encourage students in the initial stage in order to give their time to improve their efficiency. In addition, regular competitions have been conducted to obtain the confidence. In addition to the elaborate training program, such efforts have helped the students revise themselves.

The academic organization focused mainly on academics, with the internal housing staff faced with the necessary capabilities, to provide students with needed technical and communication skills. The organization has collaborated with industry experts from the industry to significantly improve the company's technical and programming skills.

Best Practice II

1. Title of the Practice:

Counselling System:

The College follows a strong Counselling System. Once, the students are admitted into the B.Tech course, each student is allotted one counsellor.

The faculty counsellor has a complete record of the student regarding his previous academic record, family background and personal details.

1. Objectives of the Practice:

The main objective/purpose of the counselling is to mould the students in every aspect of life so that they become good citizens of the nation and more importantly get placed soon after their completion of B.Tech course.

1. The Context:

The students are counselled with respect to the level of understanding of each subject in the class, his seating arrangement in the class (1st/2nd/3rd row), his friends circle, habits, family background and personal details.

1. The Practice:

The attendance percentage of each student is continuously monitored and messages are sent to parents for information.

His/her academics performance (Weekly test marks, Mid-marks) is also messaged to the parents to their registered mobile number.

1. Evidence of Success:

It enhances the personal development of the students. The Attendance percentage of the students has increased.

It significantly finds less inappropriate behaviour and more positive attitude of the students towards the college.

6. Problems Encountered and Resources Required:

Time factor is a challenge a teacher counsellor faces. Some students avoid attending counselling sessions by taking the permission some times. The counsellor does not spend more time in counseling sessions because of their work-load whereby he/she is not given time for evaluation and accountability. The time spent with each student depends on nature of issue and the time table of the college.

Demand by the Institution and high expectations is another challenge whereby sometimes management expects too much from counsellors and set unrealistic goals e.g. a counselor is expected to detect and prevail all forms of violence, misbehavior etc. in the Institution and this becomes a very big challenge to the teacher counselor.

File Description	Document
Link for Additional Information	View Document

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

Performance of the Institution:

Samskruti College of Engineering and Technology has a clear vision to mould the students as essence of noble values.

The management inspires the Principal, all the HODs, staff and students for the fulfillment of stated vision and mission.

Management in regular meetings discusses the academic, administrative plan & policy and implementation.

The objectives and programmes of vision and mission are displayed in the notice board of all departments.

The college offers a number of concessions and scholarships for the economically poor students to pursue their higher education in the college.

The following is a list of distinctiveness of the Institution:

- State-of-the-art infrastructure
- Student centered learning

- In-house projects for the students
- Qualified and trained faculty
- A separate placement and training centre
- A separate research and development wing
- Research Journal publication
- Industrial visits and tours as part of curriculum
- Regular seminars by experts
- Conduction of National conferences and seminars
- Free TOEFL, GRE and IELTS coaching
- Counseling and mentoring of the students
- Faculty development programmes

File Description	Document
Link for Additional Information	View Document

N/AAC

5. CONCLUSION

Additional Information :

Samskruti College of Engineering and Technology is the outcome of sound strategic planning of st.Vincent Educational Society, committed towards achieving excellence in academic and research. This Self Study Report – 2017, a collective effort of all the faculty members, briefs about the active teaching, learning and evaluation process, contribution of faculty and students, governance and quality management of the institution for the past five years (2012-2013 to 2016–2017). However, number of quality publications, training and placements are significantly improved during the current academic period (2017-2018). The Management, Director, Principal and faculty are always stepping in together for designing and executing the quality policies and plans.

Concluding Remarks :

Preparation of The Self Study Report as per the format of NAAC has given us the opportunity to compile and understand the various aspects of quality education. To the best of our knowledge and understanding the report has been prepared and hopes to meet the expectations of NAAC committee for accreditation process. Since it is the combined effort of all the staff members of this institution, I, as the Principal and Head of the Institution, congratulate all the members of NAAC Steering Committee, IQAC cell, as well as all the staff members who helped directly or indirectly for the preparation of this SSR.