SELF STUDY REPORT

FOR

1ˢᵗ CYCLE OF ACCREDITATION

JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES

MUQDUMPURAM(VILLAGE), CHENNARAOPET(MANDAL), NARSAMPET,
WARANGAL RURAL-506332
506332
www.jayamukhi.ac.in

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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Sponsored by the Jayamukhi Educational Society, the Jayamukhi Institute of Technological Sciences came into being in 2001 to provide quality and contemporary education with social relevance in the engineering faculty with an ultimate vision to maintain global standards in higher learning and research. The Institute has the approval of AICTE and recognized by the Government of Andhra Pradesh. It is permanently affiliated to Jawaharlal Nehru Technological University (JNTU), Hyderabad., UGC Autonomous & accredited by NBA. The Institute has come upon 40 acres of green pastures in Narsampet, about 30km away from the historic city of Warangal and presents a picturesque and panoramic view.

JITS offers a four year B.Tech. Programme in the disciplines of CSE, CSE(AIML), ECE, EEE,CIVIL and ME. and two years M.Tech Program and one MBA program.

Vision

To be a premier Institute in the country, striving continuously in pursuit of excellence in educational environment wherein the students are prepared to meet the challenges of the modern industry and society.

Mission

- To provide a healthy educational environment for students and staff to cater to the needs of the Society.
- To provide a creative environment and innovative approach to the learning process.
- To spread engineering/technological awareness at all levels.
- To contribute for the development of this region in particular and the nation in general.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

The main identified current strengths of the institute on which it can rely to pursue its further objectives include the following.

 1. Institution is UGCautonomous to have its own syllabus and evaluation.

2. Young and Qualified Faculty with rich experience in teaching and guiding the students

3. **Incentives to faculty to pursue Research leading to Ph.D. Degree:**

The management of the college is liberal in deputing faculty for Ph.D. programmes to IITs, NITs with full pay. The management also providing travel grants and registration fee to faculty   to present their Technical Research papers in National and International conferences.

4. Good Library facilities with National and International Journals, adequate number of   text and reference books:

The college has excellent Library facilities with more than the required number of Text and Reference Books as per AICTE norms. Library subscribes for more than 100 National and International Journals. The faculty and students make use of library extensively.

5. Student chapters of professional bodies such as IEEE, IETE and ISTE:

IEEE, IETE and ISTE Students chapters are functioning in the college to expose the students   in technical paper writing, presentation and managing and conducting the events. IEEE and   IETE student chapters are linked to IEEE and IETE sections of Hyderabad region

6 Technical Associations for Curricular and co-curricular activities:

Every department in the college is having technical association to train the students in   communication skills, organizational abilities and provide them opportunities in preparation and presentation of technical papers.

A career guidance cell is established in training and placement cell to advice and guide   students in their GATE,GRE and TOFEL examinations by conducting classes beyond the   office hours and holidays

7 English Language Communication Laboratory Accredited by APSCHE to impart   Communication Skills to the students:

The college has a full fledged English Language Laboratory Accredited by APSCHE. The   Laboratory under the supervision of a senior faculty member of English is imparting training to students in developing communication skills in English language.

8. Good placements:

Training and Placement Cell is established to impart full fledged training and   placement for the students. Further, short duration training programs are also arranged in   consultation with different organizations of national repute.

 The college has established Jawahar Knowledge Centre (JKC) under Institute of Electronics Governance, Government of Andhra Pradesh. The students registered for JKC programme are provided training in computer related courses to enable them for better employment.This has enhanced their placements in reputed MNCs.

Institutional Weakness

II. WEAKNESSES:

Areas that need improvement, as currently seen by the faculty, staff and students, include the following, listed by order of importance:

1. The institute is not residential and is located in rural area, hence unable to utilize fully the infrastructural facilities available in the college by the faculty and students.

2. Active function of Innovation and establishment of Incubation center

3. **Lack of broad base technical expertise** is hampering research activity and consultancy.

4. There is no university recognized research center therefore the scope for research guide ship from the parent university is very less.

Institutional Opportunity

The main identified opportunities resulting from the above assessments include the following:

1. Increasing awareness of and demand for higher education: New and Specialized M.Tech courses have to be started in the college as the demand is increasing day by day and there is a dearth of man-power with M.Tech. Qualifications.

2. The college has to use its qualified faculty and laboratories to conduct tailor made short term courses to the industrial personnel which will in turn help to built up rapport with industries.

3. Specialized courses, which are not offered in the curriculum, have to be designed and offered to the students to enhance their employability and also training progams also conducting every year improve skills to forefit for the present technology.

5. Funding from AICTE,CSIR, DST and UGC etc: Senior faculty should be made responsible to submit research proposals for financial sanction to AICTE,CSIR.DST and UGC. This will boost not only the research activity in the college and also the image of the college

5. Faculty has to the initiative to undergo teaching and learning process in specialized fields offered by IITs, NITs etc., to enhance their teaching and research capabilities.

Institutional Challenge

The main identified challenges and possible mitigating actions that might be taken include the following:

1.Increased availability of other attractive employment opportunities: Especially in the IT and communications industry which will cause bright minds to select their career options and deprive the institutions to have good faculty. Mitigating actions might include an increased pay structure and providing incentives for their professional growth.

2. Many of the candidates with excellent academic career are not opting for teaching profession there by deprivingthe bright studentsthe good teaching and guidance.

3. **Growing competition from other Institutions**: This is leading to put lot of pressure on the managements of the college to safe guard their interest.

4. In spite of good infrastructure facilities and faculty unable to attract top ranking students as the institute is located in rural area and about 30 Km from Warangal city , and competition from city based institutions.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Jayamukhi Institute of Technological Sciences, Narsampet, is an Autonomous Institution under UGC and permanently affiliated to JNTU Hyderabad.

College follows Outcomes-Based education (OBE) to plan, deliver and assess curriculum as approved by College Academic Council as per University norms. Teachers are given certification program in OBE. Certificate course beyond syllabus are offered to the students to enhance core skills. The new courses have been introduced by the College in every BOS meeting. All the programs offered allow professional electives and Open Electives as per Choice Based Credit System (CBCS).Courses like Gender Sensitization, Environment and Sustainability, Human Values and Professional Ethics areincluded in the curriculum. Apart from the courses in the curriculum, various activities are organized to focus on the socio cultural issues by departmental technical associations and also professional societies like IEEE, ISTE, IETE, SAE, CSI etc. NSS and ther Clubs in the campus. Several types of value added courses are given for the students. Around 75% of the students have taken part in industry projects and/or internships. Structured feedback istaken on curriculum from students, industry, alumni and teachers. The same is analyzed, action taken and report maintained on the institutional website.

Teaching-learning and Evaluation

Admissions are made as per the guidelines of the state government, Telangana state by the convener TSEAMCET. There are students from other state under management category. More than 80% enrollment is there in the last five years against the sanctionedseats. Several initiatives have been taken to address the needs of slow learners and advanced learners separately. All facilities are created for the physically handicapped students. Institution encourages teachers to use innovative pedagogies of teaching and learning. Itis mandatory for all the teachers to use ICT enabled tools in their teaching. Strong mentoring system is in place to deal with students individually. Teachers are recruited as per the norms set by the AICTE and JNTUH. There are doctorate teachers in all the departments. Average teaching experience of the teachers in JITS is 12 years. 20% of thefaculty are from other states in the last five years. Internal assessments is being done as per the guidelines given bythe university. Grievances related to examinations are addressed and log record is maintained. Academic calendar is prescribed by the College Academic Committee. Internal examinations are conducted as per the calendar. ProgramOutcomes and Course Outcomes of all the courses are stated and displayed in website. Attainment of courseoutcomes and program outcomes is done as per OBE. Average pass percentage in the past five years is 75.06

Research, Innovations and Extension

Focusing on providing support to small and medium companies college helps to convert their inventive ideas into student projects/ entrepreneurship concepts. Efforts are being made to receive Grants for research projects by bodies like AICTE, UGC,CSIR DSTetc., EDC is helping a student in understanding the problems faced

industries by interacting with them , trying to map with technical solutions through critical analysis and creating prototype solutionsfor the projects.Every year 3 to 4 interaction events conducted by EDC.Events also organized under various professional societies like IEEE, ISTE, IETE, IE(I), SAE, CSI and IEEE Women chapters for advancement of technology innovation. IPR awareness sessions are organized in addition to the regular content covered in thecurriculum. Code of Ethics to check malpractices and plagiarism in Research is established. Institution

provided the financial assistance to attend seminars workshops conducted by premier institutions with in the country and presentation of technical papers in India and Abroad. On the average 15 to 20 technical papers are published by the teachers in national and international journals every year. The institute received more than 2.00 crore fund from AICTE under different scemes.

Infrastructure and Learning Resources

JITS's building is rated "Silver" by International Green Building Council, USA. All classrooms andlaboratories are spacious with cross ventilation with equipment as prescribed by competent authorities. Sportsfacilities are provided and students are encouraged to take part in inter class, college, university and nationalcompetitions. 64% of the classrooms and seminar halls are equipped with ICT facilities. Around 37% of thetotal budget is allocated and spent on facilities other than salary component. JITS library maintains all thebooks and journals are per AICTE norms. Digital access of resources is provided for teachers and students.Rare books are collected when faculty to network events. Institution has 100 MBPS internet connection toprovide quality bandwidth to all the students in the labs and to the staff in the staffrooms and office. There isone computer for every three students in the campus. Lecture capturing is facilitated using presentation tubetool. Around 5% of total budget is allocated for campus maintenance. There are established systems andprocedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms

Student Support and Progression

Eligible students get financial support from government of Telangana state in the form of tuition fee reimbursement. Institution, from the society, waives fee to students based on their request and justification.Capability enhancement courses for competitive examinations, Career counseling, Soft skill development,Remedial coaching, Language lab, Bridge courses, Yoga and meditation, Personal Counselling are offered to allthe four year students. 100% of the students benefited from the program organized. Skills which are notcompletely covered in curriculum are addressed through vocational education training under EngineeringProjects in Community Service (EPICS) and Student Skill Development Center (SSDC). Institution maintains

grievance addressing system having sensitive to student needs in its values. More than 50% of the students getplacements during their final year and rest find careers within one year from then. Support for competitiveexams and higher education is provided by Career Development Center(CDC). Two major sports events areorganized in the campus and students are sent to various competitions. JITS organizes alumni meet twice ayear and inputs from alumni are used for improvements in student learning process.

Governance, Leadership and Management

Institution's vision and mission have been evolved with inclusive decision making. All the stake holders areinvolved in the vision, mission and values exercise. Freedom at every level of hierarchy is specified andaccountabilities are frozen. JITS carried out strategic planning with objective, SWOT analysis and actionplan further. All actionable items are taken up by respective people for implementation. Administration is asper the organization chart. People report to their reporting heads and above them reviewing head oversee theadministration. Operations in planning, development, administration, finance, student support, accounts andexaminations are digitized. Several bodies are formed to review effectiveness of the activities carried out in thecampus. There are faculty and student members present in the bodies. Faculty are given both professional andtechnical trainings to be on par with emerging trends and technologies and support students. Financial supportis provided for faculty to attend such trainings externally also. Performance appraisal system is in place and

followed for annual appraisals. Finances for the institution come from students' tuition fee, governmentfunding for projects and alumni contribution. Finances are managed effectively by sanctioning impressauthority for the staff based on their significance in the hierarchy and nature of works. Internal QualityAssurance Cell (IQAC) has been formed in 2015 and is functional in overseeing quality matters.

Institutional Values and Best Practices

Facilities for female students and staff are provided to feel comfortable during their regular hours in thecampus. A course on Gender Sensitization is in curriculum. There are counseling rooms and common room forboth male and female separately. Solid, liquid and e-waste is managed in line with green building standards.Rainwater harvesting pit is made to preserve ground water in the campus. All green practices to reducepollution are adopted. Around 1.5% of the total expenditure is allocated for green initiatives. Facilities forphysically handicapped like lift, ramps, toilets, scribes and etc are provided in the institution. Several initiativeshave been taken up based on location advantage and disadvantages.Code of conduct for staff and students ismade available online in the college portal. Institute emphasizes on core its core values. Institution offers courseon Human values and professional ethics. Events for promoting truth, love, non violence and peace areorganized. Institution observes the birth and death anniversaries of great personalities. Institution maintainscomplete transparency in financial, academic and administrative functions. There are best practices like Student

Self Governance (SSG) and Engineering Projects in Community Service (EPICS). Entrepreneurship Development Cell (EDC) at JITS is becomes one institutional distinctiveness.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES
Address	Muqdumpuram(Village), Chennaraopet(Mandal), Narsampet, Warangal Rural-506332
City	Narsampet Warangal
State	Telangana
Pin	506332
Website	www.jayamukhi.ac.in

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Principal	M.lokanadha Rao	08718-208586	9885946933	08718-208541	principal@jits.in
IQAC / CIQA coordinator	Hameed Pasha Mohammad	8718-208586	9490377766	8718-208541	hameedjits@gmail.com

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details	

Date of Establishment, Prior to the Grant of 'Autonomy'	19-07-2001
Date of grant of 'Autonomy' to the College by UGC	29-04-2015

University to which the college is affiliated

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

Details of UGC recognition

Under Section	Date	View Document
2f of UGC	02-08-2013	[View Document](#)
12B of UGC	02-08-2013	[View Document](#)

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	[View Document](#)	07-07-2021	12	

Recognitions

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

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Muqdumpuram(Village), Chennaraopet(Mandal), Narsampet, Warangal Rural-506332	Rural	25	17971

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,Electronics And Communication Engineering	48	Intermediate and EAMCET Rank State Level Entrance Test Conducted by State Council of Higher Education	English	180	93
UG	BTech,Computer Science And Engineering	48	Intermediate and EAMCET Rank State Level Entrance Test Conducted by State Council of Higher Education	English	180	143
UG	BTech,Electrical And Electronics Engineering	48	Intermediate and EAMCET Rank State Level	English	120	61

			Entrance Test Conducted by State Council of Higher Education			
UG	BTech,Mechanical Engineering	48	Intermediate and EAMCET Rank State Level Entrance Test Conducted by State Council of Higher Education	English	120	40
UG	BTech,Civil Engineering	48	Intermediate and EAMCET Rank State Level Entrance Test Conducted by State Council of Higher Education	English	120	53
UG	BTech,Cse Artificial Intellegence And Machine Learning	48	Intermediate and EAMCET Rank State Level Entrance Test Conducted by State Council of Higher Education	English	60	13
PG	Mtech,Mtech Computer	24	AMIETE or B.Tech or	English	24	16

	Science And Engineering		B.E and GATE or PGECET Rank Allotted			
PG	Mtech,Mtech Embedded Systems	24	AMIETE or B.Tech or B.E and GATE or PGECET Rank Allotted	English	24	13
PG	MBA,Master Of Business Administration	24	Any UG Program and State level Entrance Examination TSICET conducted by TSCHE	English	60	29

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				15				24				174
Recruited	12	3	0	15	19	5	0	24	118	56	0	174
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				71
Recruited	45	26	0	71
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				30
Recruited	28	2	0	30
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD	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

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

Part Time Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD	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**	**Others**	**Total**
	0	0	0	0

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	292	0	0	0	292
	Female	111	0	0	0	111
	Others	0	0	0	0	0
PG	Male	35	0	0	0	35
	Female	23	0	0	0	23
	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	37	17	21	22
	Female	16	13	4	19
	Others	0	0	0	0
ST	Male	29	17	14	18
	Female	6	4	5	14
	Others	0	0	0	0
OBC	Male	188	153	134	127
	Female	69	82	91	54
	Others	0	0	0	0
General	Male	70	106	74	146
	Female	46	68	69	111
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		461	460	412	511

2.3 EVALUATIVE REPORT OF THE DEPARTMENTS

Department Name	Upload Report
Civil Engineering	[View Document](#)
Computer Science And Engineering	[View Document](#)
Cse Artificial Intellegence And Machine Learning	[View Document](#)
Electrical And Electronics Engineering	[View Document](#)
Electronics And Communication Engineering	[View Document](#)
Master Of Business Administration	[View Document](#)
Mechanical Engineering	[View Document](#)
Mtech Computer Science And Engineering	[View Document](#)
Mtech Embedded Systems	[View Document](#)

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	The Institute has an autonomy in framing the syllabus under Choice Based Credit System (CBCS), where each program offered multidisciplinary courses to have overall concepts on engineering and technology. The Institute always encourages the faculty members to focus on interdisciplinary research to meet industrial as well as societal needs and also collaborate with industries to carry out real time projects. Interdisciplinary research will bring the new innovating ideas, techniques and methods to solve various problems encountered in the real time world. The Statutory regulator authorities like AICTE, UGC and JNTU also emphasis in their model curriculum about the introduction of interdisciplinary courses to students through open elective.
2. Academic bank of credits (ABC):	All subjects/ courses are to be registered by a student in a semester to earn credits. Credits shall be assigned to each subject/course in a L: T: P: C (Lecture Periods: Tutorial Periods: Practical Periods: Credits) structure, based on the following table. 1 Hr. Lecture(L) per week 1 credit 1Hr.Tutorial(T) per week 1 credit 1 Hr. Practical(P) per week 2 Hour Practical (Lab)/week 0.5 credit 1 credit A student will be eligible to get B.Tech Degree with Honors, if he/she completes an additional 20 credits through Massive Online Open Courses (MOOCs). A Student can earn 2 credits by active participation in NSS. As

	no grade is defined for these 2 credits they are not included in CGPA Calculations. Based on their participation in NSS activities, the student can earn maximum of 100 activity points
3. Skill development:	The institute always forefront to organize the various skill development programs to the students, the following ways the institute offers programs for the betterment of students and faculty members. 1. Entrepreneur Development Cell(EDC) : The AICTE, New Delhi sponsored Entrepreneurship Development Cell in the Jayamukhi Institute of Technological Sciences in July 2011. Since then, the EDC has been organizing Awareness programs, Seminars, Workshops and field visits for the benefit of the interested students. These programs have helped a few students to know about the importance of self employment and wealth creation. They also understood that creativity and innovation are the prerequisites for the success of business ventures. For intensifying the skills of innovation and creativity in products development and marketing by the professional students a n INNOVATION COUNCIL is established on permanent basis 2. Skill and Personality Development Program for SC/ST students This SPDP center sponsored by AICTE New Delhi to support the Broadly the aim of the SPDPC is to scale up the professional and social skills of the students and to prepare them to be the responsible citizens of India. For this purpose the Center works for the target group by: 1. Organizing coaching class continuously with the high end electronic and digital presentations. 2. Making the students to participate in workshops, Debates and Reading Sessions. 3. Motivating the students to organize group discussions and role playing. 4. Making students to watch TED lectures. 3. Jayamukhi Finishing School : Jayamukhi Finishing School (JFS) program exclusively organizing for III and IV year students to improve coding skills, quantitative, analytical and logical skills to forfeit themselves in placements and also under this finishing school CRT training programs will organized every year. 4. Telangana Association for Skill and Knowledge(TASK) : This program is initiated by state government of Telangana to all Higher Education Institution to give awareness on latest technologies, Industry readiness and Campus Recruitment. Our students are taking active

	participation in this program and placed in MNCs.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	The 21st century, aims to reconfigure the education system of India on the framework of Indian knowledge System. .It recognizes that the distinct place that India holds at the global stage is only because of its cultural developments, civilisational values and rich literature in all the fields. The AICTE and UGC instructed all the higher educational institutions to prepare their curriculum in such a way that all the courses will prepare and deliver in their mother tongue to understand and implement in a better way, in this context the management and principal of our institute instructed their faculty members to participate and start writing technical books in mother tongue
5. Focus on Outcome based education (OBE):	Outcome-based education is targeted at achieving desirable outcomes (in terms of knowledge, skills, attitudes and behavior) at the end of a program. Teaching with this awareness and making the associated effort constitutes outcome-based education. This entails a regular methodology for ascertaining the attainment of outcomes, and benchmarking these against the program outcomes consistent with the objectives of the program. The Institute adopts Outcome Based Education(OBE) and implements in teaching and learning process. Faculty members were trained in designing the courses and its syllabi to meet industrial and academic requirements of the students, justifying the Course Outcomes(CO) and mapping these CO with Program Outcomes(PO) and comparing the after assessment and evaluation process. Attainment of Course Outcomes are shows the effective implementation of Teaching and Learning process to meet Outcome Based Education(OBE). Institute always believes that educational quality must be measured by outcomes rather than inputs, because inputs do not necessarily correlate with quality outcomes. Outcomes are dependent not only on inputs but also on the processes followed by an institution to convert inputs into defined outcomes
6. Distance education/online education:	Due to spread of coronavirus all over the country since March, 2020, attending online classes has become the 'new normal' and have taken centre stage in students' life now. This 'new normal' is a transformed concept of education with online

learning at the core of this transformation. Online education allows students to attend classes from any location of their choice while it allows colleges to reach out to an extensive network of students, instead of being restricted by geographical boundaries. Students can clarify their doubts through live chats or forums by staying at the comfort and safety of their home. On the positive note, online learning has made both teachers and students become more technology savvy. Various mobile phone and computer applications and technology based programs have emerged as an alternative platform to regular classroom teaching during lockdown. Both the teacher and the student community were quick enough to acclimatize with computers and smartphones. Access to online education still remains to be a challenge for many due to various issues like power supply, internet connectivity and affordability of necessary devices. A robust and comprehensive strategy is the need of the hour at an institutional level to address these concerns. Online education has emerged as a suitable alternative amidst this chaos caused by the pandemic. It has become more of a necessity rather than an option. Hence the quality enhancement of online teaching–learning is at a very crucial stage. The institute offers many programs on online education as well as usage of online class tools for effective utilization for preparation of notes, power point presentations, projects and internships. The faculty and students are equip themselves to attend the examinations, seminars and comprehensive viva voce in online mode to fulfill their academic requirements to get the UG or PG degree.

Extended Profile

1 Program

1.1

Number of programs offered year-wise for last five years

2020-21	2019-20	2018-19	2017-18	2016-17
09	07	07	08	07

File Description	Document
Institutional data in prescribed format	[View Document](#)

1.2

Number of departments offering academic programmes

Response: 6

2 Students

2.1

Number of students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
1514	1747	2088	2356	2332

File Description	Document
Institutional data in prescribed format	[View Document](#)

2.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
417	642	686	468	411

File Description	Document
Institutional data in prescribed format	[View Document](#)

2.3

Number of students appeared in the examination conducted by the Institution, year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
2691	3218	3743	3179	2637

File Description	Document
Institutional data in prescribed format	[View Document](#)

2.4

Number of revaluation applications year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
15	18	25	31	27

3 Teachers

3.1

Number of courses in all programs year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
387	290	350	313	320

File Description	Document
Institutional data in prescribed format	[View Document](#)

3.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
211	219	223	247	239

File Description	Document
Institutional data in prescribed format	[View Document](#)

3.3

Number of sanctioned posts year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
211	219	223	247	239

File Description	Document
Institutional data in prescribed format	[View Document]

4 Institution

4.1

Number of eligible applications received for admissions to all the programs year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
215	179	174	130	120

File Description	Document
Institutional data in prescribed format	[View Document]

4.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
471	461	426	343	490

File Description	Document
Institutional data in prescribed format	[View Document]

4.3

Total number of classrooms and seminar halls

Response: 62

4.4

Total number of computers in the campus for academic purpose

Response: 920

4.5

Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
1000.06	1272.36	1738	1830	1517.35

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curriculum Design and Development

1.1.1 Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the Institution.

Response:

The institute secured autonomous status in the academic year 2015-16 from the UGC. Prior to the acquisition of autonomous status, the Institute was following the syllabus as prescribed the Jawaharlal Nehru Technological University, Hyderabad (JNTUH). The autonomous status conferred to the JITS (in 2015-16) has given Academic freedom so as to introduce courses useful to the region, local environment and for accelerating economy. This being the core aspect of autonomy, JITS has designed the curriculum of UG and PG programs (B. Tech., M. Tech., and MBA) appropriate to the needs of the social and economic environment. Further, the choice-based credit system (CBCS) was adopted in the institute as per the general policy of the University; thereby an ideal amalgam of the autonomy and University policy is achieved. According to the CBCS pattern multiple facets of engineering , desirable attributes, professional ethics and relevant technical and non-technical skills are taken into consideration. .

The syllabus contents of all the papers in different academic programs are developed and finalized by the respective Board of Studies (BOS). The BOS of each Department has nominee of the University who is an expert of the subject concerned. At the institute level (College Academic Council) with domain experts from reputed organizations/industry formulate and finalize the syllabi for all the disciplines'. Student feedback through course end survey is considered for updating the curricula periodically.

The following aspects are ensured while designing and developing curriculum.

1. The Boards of Studies of the respective disciplines have representatives from reputed industries and research laboratories. Their views are taken in framing the syllabi for the theory and laboratory courses, so that the employability of students are improved.
2. Experts lectures are arranged on the latest topics not covered in the syllabi so that the students are exposed to innovations in their discipline and innovative topics are offered as electives.
3. The students are encouraged to do mini and major projects as part of their curriculum in industries / research laboratories and feedback from the students is used to modify and incorporate changes in the syllabi.

The institute has meticulously drawn the attributes of graduation and designed the Program Educational Objectives (PEO) accordingly. Keeping the PEOs as a base, the Program Outcomes (PO) and Program Specific Outcomes (PSO) are charted out. The objective is to create a technical knowledge content needed for Science and Technology-enabled development. The innovative curriculum design architecture by amalgamating teaching, research and outreach activities have led the institution to the present level of excellence. The courses are developed to meet the stated PEOs, POs, PSOs of the program.

The college sponsors its faculty members to attend these FDP programs conducted by universities and

other reputed institutions across the country. Faculty members are also sponsored to attend seminars, workshops, and special training in teaching methodologies. The purpose of such sponsorship is to enable the teachers to imbibe the changes in the subjects concerned.

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

1.1.2 Percentage of Programmes where syllabus revision was carried out during the last five years.

Response: 100

1.1.2.1 **Number of all Programmes offered by the institution during the last five years.**

Response: 9

1.1.2.2 **How many Programmes were revised out of total number of Programmes offered during the last five years**

Response: 9

File Description	Document
Minutes of relevant Academic Council/BOS meeting	[View Document](#)
Details of program syllabus revision in last 5 years(Data Template)	[View Document](#)
Any additional information	[View Document](#)

1.1.3 Average percentage of courses having focus on employability/ entrepreneurship/ skill development offered by the institution during the last five years

Response: 92.11

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

2020-21	2019-20	2018-19	2017-18	2016-17
357	235	332	302	307

File Description	Document
Programme / Curriculum/ Syllabus of the courses	[View Document](#)
MoU's with relevant organizations for these courses, if any	[View Document](#)
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	[View Document](#)
Average percentage of courses having focus on employability/ entrepreneurship(Data Template)	[View Document](#)
Any additional information	[View Document](#)
Link for Additional Information	[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: 72.41

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

Response: 1202

1.2.1.2 **Number of courses offered by the institution across all programmes during the last five years.**

Response: 1660

File Description	Document
Minutes of relevant Academic Council/BOS meetings	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

1.2.2 Percentage of Programmes in which Choice Based Credit System (CBCS) / elective course system has been implemented (Data for the latest completed academic year).

Response: 100

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

Response: 09

File Description	Document
Minutes of relevant Academic Council/BOS meetings	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

1.3 Curriculum Enrichment

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

Response:

The curriculum offered at the institute include courses that are diverse and cater to the cross cutting issues relevant to sustainable environment, gender equality, human values and professional ethics for addressing the economic, social and environmental challenges.

Gender Sensitization

Gender Sensitization subject has been introduced in all B. Tech. Programs in 2nd year as a mandatory course.

Professional Ethics and Human Values:

Professional Ethics and Human Values and Gender Sensitization have been introduced as a compulsory subject at 2nd year B. Tech students.

Environment Sustainability: With a view to create an awareness among the students about the ecological balance leading to good health and protection from viral infections, at least two sessions per Semester are organized. Experts on ecology and environment are invited to address the students. It is observed that these sessions are helping the students and their families to improve their resistance and to face any type of epidemics. Ultimately, students are also being helped to secure employment in corporate enterprises.

Better Career Options:

Under CBCS system Professional & Open Electives are offered by Academic departments. The open electives can be chosen by the students of any branch including management courses. student. However

professional electives can be chosen by the students based on their background and career objectives. For this purpose subjects like IoT, SAP, Advanced Machine Learning, R- Programming and Python etc. are offered by the Institute. From the Second year onwards, the B. Tech students are given one subject relating to management area. These papers carry four credits every year. The purpose of giving these subjects is to impress upon the students that managing the resources is as important as the technology subjects. The following subjects are offered by the Department of Business Management out of which one is to be chosen by the Technology Department concerned

Subject Code	Course Title	Internal Marks	Ext. marks	Cr
J_E01	Management Science.	30	70	3
J_E02	Managerial Economics and Financial Analysis.	30	70	3
J_E03	Total Quality Management.	30	70	3
J_E04	Global Marketing.	30	70	3
J_E05	Green Marketing.	30	70	3
J_E06	Intellectual Property Rights.	30	70	3
J_E07	Supply Chain Management.	30	70	3
J_E08	Statistical Quality Control.	30	70	3
J_E09	Financial Statement Analysis and Reporting.	30	70	3
J_E10	Micro Small Medium Enterprises Management.	30	70	3
J_E11	Entrepreneurship Development.	30	70	3
J_E12	Organizational Behavior.	30	70	3
J_E13	Industrial Management.	30	70	3
J_E14	Production and Operations Management	30	70	3
J_E15	Economic Policies of India.	30	70	3
JMC 03	Constitution of India.	30	70	3

.

In addition to the above, the following courses are offered to the students on Human Values, Gender, Environment and sustainability

S.No	Course Code	Regulations	Name of the Course	Course offered Branch, Year an
	AJMC01	R-15	Gender Sensitization	All Branch II Year II Semester
	AJMC02	R-15	Value Education, Human Rights and Legislative Procedures	III Year I semester & II Semeste
	AJ2012	R-15	Environmental Studies	I Year I and II Semester
	JMC01	R-18	Environmental Science	II Year I Semester
	JMC02	R-18	Gender Sensitization	II Year II Semester

| JMC03 | R-18 | Constitution of India | III Year I semester to all branch |

In addition to the above courses the institute also conducts programs by inviting relevant personalities as resource persons to create awareness about the role of engineers in the society like:

- Importance of Blood Donation..
- Laws pertaining to the Engineering graduates.
- Ethics in research/ industry projects.
- Anti-drug Awareness.
- Anti- ragging in the campus.
- Swatch Bharath.
- Green challenges.

File Description	Document
Upload the list and description of the courses which address the Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum	[View Document](#)
Any additional information	[View Document](#)

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

Response: 72

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

2020-21	2019-20	2018-19	2017-18	2016-17
15	14	15	14	14

File Description	Document
List of value added courses (Data Template)	[View Document](#)
Brochure or any other document relating to value added courses	[View Document](#)
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

1.3.3 Average Percentage of students enrolled in the courses under 1.3.2 above.

Response: 50.65

1.3.3.1 **Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
853	984	1119	1205	836

File Description	Document
List of students enrolled	View Document
Link for Additional Information	View Document

1.3.4 Percentage of students undertaking field projects/ internships / student projects (Data for the latest completed academic year)

Response: 76.09

1.3.4.1 **Number of students undertaking field projects / internships / student projects**

Response: 1152

File Description	Document
List of programs and number of students undertaking field projects / internships / student projects (Data Template)	View Document
Any additional information	View Document
Link for Additional Information	View Document

1.4 Feedback System

1.4.1 Structured feedback for design and review of syllabus – semester-wise / year-wise is received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni

Response: A. All 4 of the above

File Description	Document
Any additional information	[View Document](#)
Action taken report of the Institution on feedback report as minuted by the Governing Council, Syndicate, Board of Management	[View Document](#)
URL for stakeholder feedback report	[View Document](#)
Link for Additional Information	[View Document](#)

1.4.2 The feedback system of the Institution comprises of the following :

Response: A. Feedback collected, analysed and action taken and report made available on website

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

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average Enrolment percentage (Average of last five years)

Response: 63.21

2.1.1.1 **Number of students admitted year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
461	460	412	511	750

2.1.1.2 **Number of sanctioned seats year wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
888	870	804	648	924

File Description	Document
Institutional data in prescribed format (Data Template)	[View Document](#)
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)

Response: 68.74

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

2020-21	2019-20	2018-19	2017-18	2016-17
346	286	269	254	348

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

Response:

Jayamukhi Institute of Technological Sciences (JITS) has a well-defined mechanism to assess the learning levels of a student and it also conducts special purpose programs for advanced learners and remedial courses for laggards.

Mechanism to assess the student learning levels:

The following methods are used to assess the student learning level:

- Assignments.
- Quiz.
- Debates/Discussions.
- Mentor Interaction with his mentee.
- Subject teacher identifies the student learning level in his daily class.

Every semester before attempting internal tests (or Mid Examinations) student has to submit the assignment for each unit and student also has to actively participate in activities like quiz, and debates/discussions. Faculty will evaluate the assignments and the student activities to identify the learning levels of the learners.

Subject teacher identify the learning level of a student during their lecture in the class room, and by asking questions of previous class topic and also by taking the oral/written feedback from the students. Basing upon the student performance in regular class room teacher identifies the advanced learner from the laggards.

For Slow Learners

Subject teacher will focus more on slow learners in his subject and make them to learn the concepts well before the internal test (or Mid Examination). Intensive coaching classes are arranged for laggards to scale them up. Mentoring will be provided by the mentor to the slow learners.

Remedial classes are conducted for the slow learners.

They are also provided with NPTEL Video lectures.

For advanced learners:

For motivating advanced learners to continue their higher level of learning, and to keep enhancing their knowledge and skills following programs are conducted:

- Micro project.
- Workshops on Advanced Technologies.
- Awareness programs on career development.

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

2.2.2 Student - Full time teacher ratio (Data for the latest completed academic year)

Response: 7:1

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[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 institute provides the required resources to the teachers as well as the students for making the learning as student centric. Jayamukhi Institute of Technological Sciences (JITS) adopted the following learning methods for the purpose of enhancing skills of a student.

- ICT Enabled Teaching.
- Group Discussion on latest technology.
- Active learning methods: Flipped class room, Think-pair-share and muddiest point.
- Seminars, project works, and industrial visits.
- Problem solving skills by tie up with industries.

ICT Enabled Teaching:

JITS Campus is Wi-Fi enabled with the 400 Mbps speed internet connectivity and the class rooms are equipped with ICT tools. Teachers use the ICT enabled tools in the class room while teaching for better understanding. Teachers also present video lectures, audio lectures, and PPTs for class room discussion..

Group Discussion on the Latest Technologies:

Students are instructed to go to the library for newspaper reading in the provided slot. The groups of students are directed to discuss the current issues and advanced technologies to enhance their learning.

Active learning methods:

Active learning methods are adopted in the class room to make the students actively involv in the learning process. Active learning methods used in the class room are Flipped Classroom, Think-Pair-Share and Muddiest Point.

In Flipped Classroom learning method, teacher shares recorded video/audio lecture with the student outside the class room. Students in the class room clear their doubts on prerecorded concepts. In Think-Pair-Share learning method, two students as a team asked to prepare the notes on specific topic before coming to the class. In class time they are asked to share their views/ideas with the remaining class students. In Muddiest learning method, teacher asks the question at the end of the class, about the muddiest point of that day's class. Most confusing or least understood point of the subject will be clarified by the teacher.

Seminars, Project Works, and Industrial Visits:

Students are enaged with Micro Projects, Mini Projects and Major Projects in almost in all the years except in the first year. The institute also arranges Industrial Visits for practical learning and arrange interacting Sessions with the Executives.. Electrical and Electronics Engineering students regularly visits industries like NTPC Ramgundam, KTPP Bhupalapally, KTPS Paloncha, ITCPvt ltd Paloncha, Kazipet Diesel loco shed and Electric loco shed. Electronics and Communication Engineering students regularly visit Apollo Computing Laboratories Hyderabad, ISRO Banglore, BSNL Hyderabad, ECIL Hyderabad, and RCL Hyderabad.

Problem solving skills:

The Institute very often arrange expert lectures drawing the resource persons from the Industry concerned. Aptitude tests and problem solving practices are arranged with the help of industry executives.

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

2.3.2 Teachers use ICT enabled tools including online resources for effective teaching and learning process.

Response:

JITS Campus is Wi-Fi enabled with the speed of 400 Mbps internet connectivity and the class rooms are

equipped with ICT tools. Teachers uses the ICT enabled tools in the class room while teaching for better understanding. Teachers also prepare a video lectures, audio lectures, and PPTs for their subjects. Teacher also uses the online resources like Google meet, and zooms for online teaching.

Faculty and students use e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL), working models, open course ware from national and international universities like IIT, MIT (USA), animation videos which explains the process for effective teaching. Teachers also use of EDUSAT and EKLAVYA programmes, Multimedia for various skill development.

File Description	Document
Any additional information	[View Document](#)
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	[View Document](#)
Link for Additional Information	[View Document](#)

2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)

Response: 12:1

2.3.3.1 **Number of mentors**

Response: 127

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll	[View Document](#)
Circulars pertaining to assigning mentors to mentees	[View Document](#)
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

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

Response:

Academic Calendar:

Jayamukhi Institute of Technological Sciences (JITS) is an UGC recognized autonomous institute

affiliated to JNTU Hyderabad. It implements own academic calendar for B.Tech I, II, III and IV year students as the Institute is an autonomous body. Academic calendar is prepared for two semesters in the first week of the year concerned. The Calendar is drawn for 90 days each Semester.

Teaching Plan:

The teacher concerned prepares the teaching plan for each semester. Teaching plan prepared by the course teacher consists of the following documents:

- Academic calendar
- Syllabus copy
- Course plan
- Lecture Notes
- Assignments
- Quiz
- Class Room Activity (Brief Report and Photograph Proof).
- Previous Question papers

File Description	Document
Upload Academic Calendar and Teaching plans for five years	[View Document](#)
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

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(Data Template)	[View Document](#)
List of the faculty members authenticated by the Head of HEI	[View Document](#)
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

2.4.2 Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

Response: 10.04

2.4.2.1 **Number of full time teachers with *Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit.* year wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
20	26	25	25	18

File Description	Document
Institutional data in prescribed format (Data Template)	
Any additional information	
Link for Additional Information	

2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)

Response: 5.75

2.4.3.1 **Total experience of full-time teachers**

Response: 1214

File Description	Document
Institutional data in prescribed format	
Any additional information	
Link for Additional Information	

2.5 Evaluation Process and Reforms

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

Response: 20.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
25	20	25	12	19

File Description	Document
Institutional data in prescribed format (Data Template)	View Document
Any additional information	View Document
Link for Additional Information	View Document

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

Response: 0

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

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

File Description	Document
Link for Additional Information	View Document

2.5.3 IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in Examination Management System (EMS) of the Institution

Response:

Examination and Evaluation Branch headed by the Chief Controller of Examination conducts the examination as per the Academic Calendar. The Branch, in cooperation with the HODs organizes Examination. The results are declared after the approval of the concerned Examination committee/Results Processing Committee of the college consisting of University Nominee and the HODs. The Examination branch conduct the examinations and evaluation as per the rules framed by the Academic Council of the College consisting of Principal, HODs, Academic Director and the nominee of the University. The following are the reforms effected during the autonomous period:

- Strict adherence to Institute Academic calendar.
- Grading System is followed in the evaluation and assessment of students.

- OMR based Answer script is introduced for ensuring strict confidentiality.
- Quick publication of results and issuing of necessary documents are ensured by the Examination Branch. It is helping the students to proceed with their career plans.

- Examination process is automated and computerized with the help of Professional Consultants. It is helping the execution and supervision of examination process such as monitoring of examination fee payment, examination schedule, seating arrangement, monitoring of attendance, coding and decoding of scripts, issuing of marks sheets and the related documents.
- Prompt actions against the students who are involved in malpractice by the Malpractice Committee constituted to deal with malpractice cases.
- Online publication of results
- Provision for Challenging the evaluation system has been introduced.
- Parents can access the performance of their ward through Examination portal.
- Grievances committee dealing with the grievances of students was introduced and the mechanism for quick settlement of grievances is addressed.
- The following concessions to Physically Challenged students with the minimum of 40% of infirmity are considered:

- Exemption from paying the Examination fee by disabled students.
- Reduction in pass percentage to the disabled..
- Allowing extra time as per the rules.
- Permission to use an amanuensis for taking the Examination by the Student with disability.

- Marks distribution is introduced for External Lab Examinations.
- Special Teams consisting of Senior Teacher are constituted to maintain strict and vigilance over the examination halls.

- Several security features are embedded in the certificates to avoid tampering.
- Examiners are instructed to set question papers based on Blooms Taxonomy levels of course outcomes with respect to concern subjects.

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

2.6 Student Performance and Learning Outcomes

2.6.1 Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Response:

The College has clearly stated program outcomes and defined them as per the norms of NBA for all the academic programs. Further, the course outcomes are clearly defined using Blooms Taxonomy for all the courses offered by the Institute. They are aligned effectively to achieve the short term, long term goals and with the the Mission of the Institute. They are stated as under in clear terms with care and diligence:

* College website:http://www.jayamukhi.ac.in as mandatory disclosure.

* Syllabus books are printed and given to the students at the time of enrollment.

* Central Notice board displayed at length round the year.

* Departmental Notice Boards display at length round the year.

* Lesson Plans to be given by the faculty of his assigned subject.

* .Effective and Efficient Survey are conducted periodically among the stakeholders to ascertain the utility of the program. It is meant to review and measure the subject Outcomes.

* Student Session are arranged to introduce the concepts of PEOs and Pos.

* Faculty Meetings held periodically to monitor as well as revise the PEOs and POs based on the feedback from the stakeholders.

* Faculty shares their respective COs with the other faculty of the department. Experiences, and feelings are shared in such meetings. Any modification, if necessary is made and changes are done accordingly.

* The formulated COs are communicated to the stakeholders through handouts. While dealing with each topic, the faculty checks for the attainment of the CO. The same is elicited from the students.

* Awareness about outcome based education is created by distributing informative handouts to parents during Parents' Meeting.

* Alumni meets are organized twice in a year. During these meetings, outcome based education is verified with the alumni and suggestions for improvements are recorded.

File Description	Document
Upload COs for all courses (exemplars from Glossary)	[View Document](#)
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

2.6.2 Attainment of programme outcomes and course outcomes are evaluated by the institution.

Response:

The Institution recognized the need for the evaluation of program outcomes and program specific outcomes. Hence, the guidelines given by the NBA are followed in the evaluation of the outcomes with a view to improve the performance the teachers and students. For this purpose, a systematic method of collection of adequate information is also developed.

- The continuous internal assessment system viz., 1st and 2nd Mids are designed to examine the appropriateness of the Pos and Cos in the light of Blooms Taxonomy.

- Each mid examination is developed and designed with maximum of 30 marks. These marks are distributed in such a manner that each Unit is understood by the student in depth. Accordingly, 15 marks are allotted for descriptive answers, 5 marks for objective questions and 10 marks for assignments.

- The subsequent targets for the students in relation to these examinations are set by the concerned teacher based on the evaluation of previous year's results.

1.The evaluation system is rigorous. It is done by awarding the marks secured by the students to their corresponding Course Outcomes. For this purpose the marks of descriptive questions as well as objective questions are considered.

2.Out of the total 100 marks for the subject, mid tests are evaluated for 30% and the remaining 70% are earmarked for the end semester exam marks.

3.The college follows a process of teaching that urge the teachers to effectively deliver and communicate the subject content to the students. They follow a variety of teaching methods like talking, explaining, discussing, and involving the students to repeat the subject matter delivered by the teacher.

4.The teacher encourages students to prepare a paper on the topic of their interest and present in the class room. This system is enabling the students and teachers to identify the utility of the subject matter.

5.In addition of the direct method of finding the level of reception of the students, a few indirect assessment tools such as students' feedback system, and Professional Body participation in the assessment process are in vogue.

- Indirect assessment also depends on the facilities that the College provides to the students in the form of extension lectures, laboratory facilities, and Central Library and Department –wise Libraries.
- The frequency of the visits of the students to the libraries and reading rooms are periodically examined so as to improve the facilities.
- The Institute recognizes the fact that the teachers play a major role in achieving the outcomes. Hence, they are encouraged to participate in FDPs, Workshops, Seminars, Conferences and Research programs.
- In order to achieve the Mission and Objectives of the Institution, the performance of the teachers are also evaluated by obtaining Students' Feedback. In addition to this, the teachers' performance is evaluated by calculating the average marks obtained by the students in their mid examinations
- .After strict adherences to the above procedures, the college reviews outcomes. These outcomes are then closely analyzed by subject experts so as to incorporate suitable changes that are required in teaching and learning process.

The JITS strives its best to ensure that the teachers deliver to their best of their capabilities to enable the students to receive the best that is useful in their career.

File Description	Document
Any additional information	<u>View Document</u>
Link for Additional Information	<u>View Document</u>

2.6.3 Pass Percentage of students(Data for the latest completed academic year)

Response: 81.06

2.6.3.1 **Total number of final year students who passed the examination conducted by Institution.**

Response: 338

2.6.3.2 **Total number of final year students who appeared for the examination conducted by the Institution.**

Response: 417

File Description	Document
Upload List of Programmes and number of students passed and appeared in the final year examination(Data Template)	<u>View Document</u>
Any additional information	<u>View Document</u>
Link for the annual report	<u>View Document</u>

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response:

File Description	Document
Upload database of all currently enrolled students	<u>View Document</u>
Upload any additional information	<u>View Document</u>
Link for any additional information	<u>View Document</u>

Criterion 3 - Research, Innovations and Extension

3.1 Promotion of Research and Facilities

3.1.1 The institution's Research facilities are frequently updated and there is a well defined policy for promotion of research which is uploaded on the institutional website and implemented

Response:

Jayamukhi Institute of Technological Sciences (JITS) strongly believe that research and teaching are inter-related and effective teaching is the result of research activities. Hence, Research & Development (R&D) Cell is established in 2009. It provides the required resources to develop the research culture and enhance the research activities in the institute.

Objectives:

The following are the objectives of the R&D Cell:

- Creation of enhanced and unified campus-wide environment of research excellence whereby faculty and students are inspired to observe scientifically the changes in the socio-economic environment.
- Collaboration with reputed researchers across the nation.
- To strengthen the feelings of the teachers about the need for research activities among the academic community.
- To ensure the optimal and effective use of intellectual, financial, physical, and digital resources available in the Institute.
- To recognize thrust areas of research in each department of the institution so as to sustain research activity and inter-disciplinary approach.
- To identify the untapped research areas so as to engage the faculty in such subjects.
- To encourage the teachers to apply for funding of research projects from various Government as well as industry community.
- To promote in-house funding so as to enhance research activities in the Institute.
- The R & D Cell of the Institute is coordinated by a committee consisting of senior teachers and researchers drawn from various Departments. The Committee consists of the following Senior Teachers:

JITS R&D Cell Committee:

S.No.	Name of the Faculty	Designation	Department
1	Prof. V.Janaki	Chairman	Principal
2	Prof. M.Lokanadha Rao	Professor	MECH
3	Prof.P.Rangaiah	Director	Academic Director
4	Prof. G. Krishna Murthy	Professor	Business Management
5	Dr.K.Ranjith Kumar	Dean R&D	EEE
6	Dr.P.Srinivasa Rao	Member	CSE

7	Dr.M.Krishnasamy	Member	ECE
8	Dr.Ghanshyam Singh	Member	ECE
9	Dr.S.Sandhya Rani	Member	ECE
10	Dr.S.Kirubakaran	Member	CSE
11	Dr.S.Rakoth Kandan	Member	CSE
12	Dr.E.Sriram	Member	MBA
13	Dr.S K Masthan	Member	ECE
14	Dr.P.Vishnu	Member	BSH
15	Dr.S.Sunil	Member	ECE

File Description	Document
Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	[View Document](#)
Any additional information	[View Document](#)
URL of Policy document on promotion of research uploaded on website	[View Document](#)

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

Response: 2.28

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

2020-21	2019-20	2018-19	2017-18	2016-17
3.1	2.03	2.379	2.06	1.82

File Description	Document
Minutes of the relevant bodies of the Institution	[View Document](#)
List of teachers receiving grant and details of grant received	[View Document](#)
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	[View Document](#)
Any additional information	[View Document](#)

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

Response: 1.05

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

2020-21	2019-20	2018-19	2017-18	2016-17
6	2	4	0	0

File Description	Document
List of teachers and their international fellowship details	[View Document](#)
e-copies of the award letters of the teachers	[View Document](#)
Any additional information	[View Document](#)

3.2 Resource Mobilization for Research

3.2.1 Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs)

Response: 143.67

3.2.1.1 **Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)**

2020-21	2019-20	2018-19	2017-18	2016-17
69.13	30.17	29.83	14.54	0

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

3.2.2 Percentage of teachers having research projects during the last five years

Response: 0.97

3.2.2.1 **Number of teachers having research projects during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
1	4	4	2	0

File Description	Document
Names of teachers having research projects	[View Document](#)
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

3.2.3 Percentage of teachers recognised as research guides

Response: 3.79

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

Response: 8

File Description	Document
Upload copies of the letter of the university recognizing faculty as research guides	[View Document](#)
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

3.2.4 Average percentage of departments having Research projects funded by government and non-government agencies during the last five years

Response: 30

3.2.4.1 **Number of departments having Research projects funded by government and non-government agencies during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
1	2	4	2	0

3.2.4.2 **Number of departments offering academic programes**

2020-21	2019-20	2018-19	2017-18	2016-17
6	6	6	6	6

File Description	Document
Supporting document from Funding Agency	[View Document](#)
List of research projects and funding details	[View Document](#)
Paste link to funding agency website	[View Document](#)

3.3 Innovation Ecosystem

3.3.1 Institution has created an eco system for innovations, creation and transfer of knowledge supported by dedicated centers for research, entrepreneurship, community orientation, Incubation etc.

Response:

The JITS perceive that research results in the zeal for innovation followed by creativity. The students must conceive this interconnectivity which is possible by an ecosystem in the Institute. The Ministry of Human Resource Development is encouraging the higher educational institutes to create research culture for which Innovation Cell is recommended. Jayamukhi Institute of Technological Sciences established Innovation Council (**IIC**-JITS) under MHRD's Innovation Cell, an initiative launched in November of 2018. IIC-JITS works towards inculcating the spirit of innovation among students and develop a start-up ecosystem, and also the students participate in mentoring sessions, workshops, and innovative idea competitions.

The major functions of IIC-JITS are as follows:

- To Create strong innovation ecosystem at the Institute level.
- To promote students Interaction and collaboration with local and national level eminent business

leaders, entrepreneur and researchers.

- To establish the environment of functioning Ecosystem through Scouting and Pre-incubation of Ideas.
- To win exciting prizes/Certificates for every activity from recognized agencies like Honey Bee (Brigadier Ganesham).
- To support the Start-up Mechanism of developing the prototype new ideas.
- To prepare institute for Atal Ranking of Institutions on Innovation Achievements Framework (ARRIA) and NIRF Ranking.
- To carry on various innovation and entrepreneurship-related activities prescribed by Central MIC in a time-bound schedule.
- To find out the students' Centric activities to identify. reward and share successful technical innovation stories.
- To establish a basic platform for organizing workshops/seminars/interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators.
- To create an Institution's Innovation portal to highlight innovative projects carried out by the institution's faculty and students.
- To organize Hackathons, idea competition, mini-challenges, etc. with the involvement of industries.

The expected outcomes of the IIC.

- Students/Faculty associating with IIC will get exclusive opportunity to participate in various Innovation related initiatives and competitions organized by MHRD.
- Winning Prizes/Certificates for every innovation.
- Meeting /Interacting with renowned Business Leaders and top-notch academicians.
- Nurturing the prototype new ideas.
- Mentoring by Industry Professionals.
- Experimenting with new/latest technologies.
- Visiting new places and learn about a new culture.

File Description	Document
Paste link for additional information	[View Document](#)

3.3.2 Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR),entrepreneurship, skill development during the last five years.

Response: 105

3.3.2.1 **Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR),entrepreneurship, skill development year-wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
20	31	20	19	15

File Description	Document
Report of the event	<u>View Document</u>
List of workshops/seminars during last 5 years	<u>View Document</u>
Any additional information	<u>View Document</u>

3.4 Research Publications and Awards

3.4.1 The Institution ensures implementation of its stated Code of Ethics for research through the following: 1. Inclusion of research ethics in the research methodology course work 2. Presence of Ethics committee 3. Plagiarism check through software 4. Research Advisory Committee

Response: B. 3 of the above

File Description	Document
Link for additional information	<u>View Document</u>

3.4.2 Number of Ph.D's registered per teacher (as per the data given w.r.t recognized Ph.D guides/ supervisors provided at 3.2.3 metric) during the last five years

Response: 1

3.4.2.1 How many Ph.Ds are registered within last 5 years

Response: 4

3.4.2.2 Number of teachers recognized as guides during the last five years

Response: 4

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	<u>View Document</u>
URL to the research page on HEI web site	<u>View Document</u>

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

Response: 1.09

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

2020-21	2019-20	2018-19	2017-18	2016-17
8	58	52	22	108

File Description	Document
List of research papers by title, author, department, name and year of publication	[View Document](#)
Any additional information	[View Document](#)

3.4.4 Number of books and chapters in edited volumes / books published per teacher during the last five years

Response: 0.49

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

2020-21	2019-20	2018-19	2017-18	2016-17
4	14	58	11	25

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

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

Response:

File Description	Document
Bibliometrics of the publications during the last five years	[View Document](#)
Any additional information	[View Document](#)

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

09-03-2022 10:47:26

Response:

File Description	Document
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	[View Document](#)
Any additional information	[View Document](#)

3.5 Consultancy

3.5.1 Revenue generated from consultancy and corporate training during the last five years (INR in Lakhs).

Response: 0

3.5.1.1 **Total amount generated from consultancy and corporate training year-wise during the last five years (INR in lakhs).**

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

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

3.5.2 Total amount spent on developing facilities, training teachers and staff for undertaking consultancy during the last five years (INR in Lakhs).

Response: 27.11

3.5.2.1 **Total amount spent on developing facilities, training teachers and staff for undertaking consultancy during the last five years (INR in Lakhs)**

2020-21	2019-20	2018-19	2017-18	2016-17
13.57	13.54	0	0	0

File Description	Document
List of training programmes, teachers and staff trained for undertaking consultancy	[View Document](#)
List of facilities and staff available for undertaking consultancy	[View Document](#)
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	[View Document](#)
Any additional information	[View Document](#)

3.6 Extension Activities

3.6.1 Extension activities are carried out in the neighbourhood community, sensitising students to social issues, for their holistic development, and impact thereof during the last five years

Response:

The College was given the National Service Scheme (NSS) Unit by JNTU Hyderabad University. About 500 students have enrolled as NSS Volunteers. The motto of NSS is "Not Me But You". Service to mankind is service to God. The objective of the NSS is to inculcate the habit of understanding the socio-cultural problems of the people. Every Year, the NSS Unit organizes lectures in the first month of the Academic Year to impress upon the students to involve in social work. To highlight the importance of environment protection and plantation regular programs inside the College are organized at least one day in a week.   To reinforce the feeling of service to the community, the NSS unit organizes Special Camps in nearby villages. The NSS Unit of the College, received most prestigious awards at national level, state level, and at university level during the past five years.

 The NSS unit concentrates on the sensitization of the people in the nearby villages about their social problems including health and education. These social outreach programmes have shown a great impact on the holistic development of the students as they come across different categories of the people and their living standards. Every year on the Independence Day and Republic day, the NSS students coordinate with the other Academic Associations of the institute to create awareness on current social problem through parades, rallies. Through all these regular and special programs inside and outside the College, students on one hand and the villagers on the other hand created awareness about the following aspects:

- Swatch Bharath.
- Evils of Child Marriages
- Plastic free villages.
- Water conservation.
- Adult Education.
- Eradication of Child labor.
- Importance of health care.
- Voters' awareness.

- Career guidance.
- Haritha haram through plantation.
- Jandhan accounts and digital payments.

The above aspects are canvassed among nearby villages like Rajapalli, Moqdumpuram, Chinnaraopet and Gurijala in Narsampet Division.

File Description	Document
Upload Any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

3.6.2 Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government recognised bodies during last five years

Response: 38

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

2020-21	2019-20	2018-19	2017-18	2016-17
4	16	10	4	4

File Description	Document
Number of awards for extension activities in last 5 year	[View Document](#)
e-copy of the award letters	[View Document](#)

3.6.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years

Response: 106

3.6.3.1 **Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
12	26	27	23	18

File Description	Document
Reports of the event organized	
Number of extension and outreach Programmes conducted with industry, community etc for the last five years	

3.6.4 Average percentage of students participating in extension activities listed at 3.6.3 above during the last five years

Response: 99.63

3.6.4.1 **Total number of students participating in extension activities listed at 3.6.3 above year-wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
845	2960	2106	2225	1810

File Description	Document
Reports of the event	
Average percentage of students participating in extension activities with Govt or NGO etc	

3.7 Collaboration

3.7.1 Number of Collaborative activities per year for research/ faculty exchange/ student exchange/ internship/ on –the-job training/ project work

Response: 3.2

3.7.1.1 **Total number of Collaborative activities per year for research/ faculty exchange/ student exchange/ internship/ on –the-job training/ project work**

2020-21	2019-20	2018-19	2017-18	2016-17
1	8	2	0	5

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

3.7.2 Number of functional MoUs with institutions of national, international importance, other institutions, industries, corporate houses etc. during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 17

3.7.2.1 **Number of functional MoUs with institutions of national, international importance, other Institutions, industries, corporate houses etc. year wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
3	8	1	0	5

File Description	Document
e-copies of the MoUs with institution/ industry/ corporate house	[View Document](#)
Details of functional MoUs with institutions of national, international importance, other Institutions etc during the last five years	[View Document](#)

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

Response:

The **Jayamukhi Institute of Technological Sciences** has Sprawling area of **25.00** acres of Land. The built-up area is of **40967.95** Sqm. (**372808.4** Sft.). The Academic blocks consist of Conference Hall, Seminar Halls, Drawing Halls, Class Rooms, Central Library, Department Libraries, Examination section. The college is designed by one of India's Leading Architects from Hyderabad and Warangal. All departments and all PG class rooms are provided with LCDs ,Computing Facility in labs.

Adequate infrastructure facilities are the key for effective and efficient conduct of the educational programmes. The supportive facilities in the campus are developed to contribute to the effective ambience for curricular, extracurricular and administrative activities.

As per the physical infrastructure requirements of the next academic year, an annual plan for construction of additional buildings and infrastructure is prepared every year. The HODs will submit their budget estimations for the next year. After Board of Governors meetings, budget allocations will be intimated to the departments concerned. Adequate budget is allotted each year to ensure that the planned infrastructure is in place before the start of the new academic year which facilitates effective teaching and learning.

The available infrastructure is utilized optimally in the following aspects. The class rooms are used for conducting classes during working hours and also for tutorial and remedial Classes.

- The central library is open upto 7pm.
- The laboratories are used for conducting practical classes.
- Each department has separate classrooms, HOD room, meeting room and department library.
- Seminar halls are used for conducting Guest lectures, conferences and symposiums.
- Separate Examination cell, Accounts Section and Placement cell are available.
- Separate workshop, carpentry section and Engineering drawing halls are available.
- Play grounds are available for Badminton, cricket, volleyball etc.
- Indoor games facilities are available for Carroms, Chess and Shuttle.
- Gymnastics are available for both Boys and Girls.
- Yoga Centre for all.

The following facilities are available for teaching & learning

S.No	Facilities	Number
1	Class Rooms	**58**
2	Tutorial Rooms	**24**
3	Class Rooms with LCD facilities	**44**
3	Women students common rooms	**05**

3	Drawing Halls	**04**
4	Library	**01**
5	Research Laboratories	**03**
6	Laboratories in the Departments 1. Civil = **10** 2. Mechanical = **10** 3. CSE = **10** 4. EEE= **10** 5. ECE= **10** 6. MBA= **02** 7. BSH= **07**	**60**
7	Auditorium	**01**
8	Seminar Halls with ICT facilities	**05**
9	Equipment for Teaching & Learning	**LCDs, NPTEL & e-Library**

File Description	Document
Upload Any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

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

Response:

The **Jayamukhi Institute of Technological Sciences** has adequate facilities for cultural activites.The Participation in Games & Sports is mandatory for all the B.Tech students. The Institute encourages the students to take part in Inter-collegiate, District and Inter University Tournaments. The department organizes intra-mutual competitions in various games and sports for boys and girls.

Sl.No	Sports	No	Area
1	400 Mts. Athletic Track	01	80m x 40m
2	CricketField	01	120 meter
3	Volley Ball Courts	01	18m x 9m
4	Ball Badminton Courts	01	18m x 9m
5	Tennikoit court	01	7.5m x 18m
6	Kabaddi Court	01	18m x 15m
7	Shuttle Badminton Court	01	30m x 20m
8	Table Tennis Tables	02	8m x 7m
9	Carrom Boards	04	6m x 6m
10	Chess Boards	10	5m x 5m

11	Auditorium	01	300 Sqm
12	Yoga Centre	01	140 Sqm

File Description	Document
Upload any additional information	[View Document](#)
Geotagged pictures	[View Document](#)
Paste 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. *(Data for the latest completed academic year)*

Response: 80.65

4.1.3.1 **Number of classrooms and seminar halls with ICT facilities**

Response: 50

File Description	Document
Upload any additional information	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Paste link for additional information	[View Document](#)

4.1.4 Average percentage of expenditure for infrastructure augmentation excluding salary during the last five years (INR in Lakhs)

Response: 2.94

4.1.4.1 **Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)**

2020-21	2019-20	2018-19	2017-18	2016-17
19.95	69.88	11.19	80.26	33.28

File Description	Document
Upload Details of Expenditure , excluding salary during the last five years	[View Document](#)
Upload audited utilization statements	[View Document](#)
Upload any additional information	[View Document](#)
Link for any additional information	[View Document](#)

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

S.NO	NAME OF ILMS SOFTWARE	NATURE OF AUTOMATION	VERSION	YEAR OF AUTOMATION
1	College Library Adm. Management System	Partially Automated with Barcode		2013

Library Advisory Committee constituted with a Professor as Chairman, and one faculty member from each department, one student member from each department. The Librarian acts as the Member Secretary of the Committee. Its major responsibilities are: • It acts as an interface between the clientele and the library. • As the name suggests, it advises the library in the matters of improving the services, procuring the necessary materials, Books utilizing the library services to the maximum extent by faculty and students. • Review the performance of the library and suggests the parameter to improve services in tandem with developmental activities.

All the materials received must be entered in to the Accession Register and endorse the accession numbers in the bills against the corresponding title before the payment is made. All the materials are duly stamped and assigned labels. Since it is Open Access, all the members Students/faculty/staff have accessibility of selecting their required materials in an open environment with the help of Automated Library Catalogue and the Library staff record both issues and returns.

The library requests indent from all the staff members and students to suggest books to the library through suggestion register. The library also purchases the prescribed text books and reference books from the syllabi. It also purchases books from exhibitions and publisher bibliographies. The library purchases foreign and Indian journals according to AICTE and UGC guide lines from time to time.

- The Library Advisory Committee advises in the purchase of books, journals, magazines, News Papers etc.
- Circulation Section caters to the needs of readers for issuing and receiving the books daily about 350- 400 books are circulated with bar coding barrower card with ID.
- Providing Print and photocopying Xerox facilities to the students with concession rate.
- Faculty to download the E-documents from the various sources and e –documents delivery to the information seekers.

- Book Bank for SC/ST students
- A digital library is available, the users can access to a number of electronic free journals and e-books.
- Library is furnished with Adequate Number of Books and Journals, works from 9AM to 7PM.
- Library also has books for competitive examinations, other recruitment tests.

LIBRARY INFORMATION

Branch	Titles	Volume	National Journals (Hard Copies)	
Computer Science and Engineering	1093	8325	16	5
Electronic & Communication Engineering	945	7687	16	5
Electrical engineering	962	6724	16	5
Mechanical Engineering	546	4485	16	5
Civil Engineering	569	4750	16	5
Basic Science & Humanities	685	7875	16	0
MBA	347	2132	20	4
SC & ST Books	207	1594	--	
Grand Total	**5354**	**43572**	**116**	**3**

File Description	Document
Upload any additional information	[View Document](#)
Paste Link for additional information	[View Document](#)

4.2.2 Institution has access to the following: 1. e-journals 2. e-ShodhSindhu 3. Shodhganga Membership 4. e-books 5. Databases 6. Remote access to e-resources

Response: A. Any 4 or more of the above

File Description	Document
Upload any additional information	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Details of subscriptions like e-journals, e-books , e-ShodhSindhu, Shodhganga Membership etc	[View Document](#)

4.2.3 Average annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

Response: 3.23

4.2.3.1 Annual expenditure of purchase of books/e-books and subscription to journals/e- journals year wise during last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
2.05	1.35	2.84	5.59	4.3

File Description	Document
Details of annual expenditure for purchase of and subscription to journals/e-journals during the last five years	[View Document](#)
Audited statements of accounts	[View Document](#)
Any additional information	[View Document](#)

4.2.4 Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the latest completed academic year

Response: 34.78

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

Response: 600

File Description	Document
Details of library usage by teachers and students	[View Document](#)
Any additional information	[View Document](#)

4.3 IT Infrastructure

4.3.1 *Institution has an IT policy covering wi-fi, cyber security, etc., and allocated budget for updating its IT facilities*

Response:

The **Jayamukhi Institute of Technological Sciences** has enormous and latest IT Infrastructure to support the teaching & learning processes. Details of JITS's computing facilities i.e., hardware and software are as follows

- Desktop (Intel i3 , Dual Core, Celeron Processor with 2-4 GB RAM and 250 GB to 500 GB HDD)
- Laptop (Core2duo 2.4 GHz/i3-4030U 1.90 GHZ,i5-5200U, 2 GB to 4 GB RAM, 250 GB to 500 GB HDD)
- Total number of systems-1000 No's

Dedicated computing facilities

Internet in All Computer Labs

Internet in Residential area

Wi-Fi in All Hostels

Paid Printing

LCD Projectors

Audio Visual Class rooms

LAN facility

One network across the campus and access internet/intranet resources under uniform network policy

Proprietary software

MS-Office 2007/2010 • AutoCAD 3D Studio Max

MS-SQL 2005 • Adobe Creative suite

Oracle 11g • IDS

IBM Rational Rose • Solid Works

Mentor Graphics • SAS

MAT Lab • SPSS

Andragogy • Maya

AutoCAD LT 2012 • Quark Xpress

AutoCAD LT 3D • Star – CCM+

Coral Draw 14 • HFSS

OrCAD • CFD

AICTE Sponsored Network Simulator

MATLAB 2019R

Number of nodes with internet facility

Server on virtual platform using VMware and HP Blade servers. High speed connectivity from multiple ISP's

File Description	Document
Upload any additional information	[View Document]()
Paste link for additional information	[View Document]()

4.3.2 Student - Computer ratio (Data for the latest completed academic year)

Response: 2:1

File Description	Document
Upload any additional information	[View Document]()
Student - computer ratio	[View Document]()

4.3.3 Bandwidth of internet connection in the Institution.

Response: ?50 MBPS

File Description	Document
Upload any additional information	[View Document]()
Details of available bandwidth of internet connection in the Institution	[View Document]()

4.3.4 Institution has the following Facilities for e-content development

1. **Media centre**
2. **Audio visual centre**
3. **Lecture Capturing System(LCS)**
4. **Mixing equipments and softwares for editing**

Response: C. 2 of the above

File Description	Document
Institutional data in prescribed format	[View Document]()

4.4 Maintenance of Campus Infrastructure

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

Response: 15.54

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)**

2020-21	2019-20	2018-19	2017-18	2016-17
151.30	255.53	251.23	252.48	216.00

File Description	Document
Upload any additional information	[View Document](#)
Details about assigned budget and expenditure on physical facilities and academic facilities	[View Document](#)
Audited statements of accounts	[View Document](#)

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

Response:

The **Jayamukhi Institute of Technological Sciences** has

a dedicated maintenance department responsible for carrying out the duties of Administrative Office and is responsible for overseeing the maintenance of buildings, class rooms, laboratories, hostels, canteen, sports facilities, utilities, STP /ETP, lawns etc. A maintenance committee is constituted at each campus who oversees the maintenance and upkeep of the physical infrastructure, facilities, green areas etc.

The department has qualified and skilled manpower for civil work, electric work, plumbing, carpentry work, horticulture etc.

Maintenance of infrastructure facilities, services and equipment's is done as per following details:

1.The infrastructure facilities such as class-rooms, buildings, hostels, green areas, STP/ETP, etc. are maintained by the maintenance department at each campus.

2.The Institute has power management department to ensure uninterrupted power supply and maintenance of electrical assets. The maintenance of equipment like Generator Sets, General

Lighting, Power Distribution System, Solar Panels etc. are undertaken as per their preventive maintenance schedules, guidelines by the equipment supplier.

3.The maintenance of equipments for water pumping plants, sewage, etc. are undertaken as per their preventive maintenance schedules, guidelines by the equipment supplier.

4.Maintenance of Services: The college provides various services / facilities to the students, faculty and staff and are maintained by respective service providers as per contract:

- Cafeterias facilities
- Banking / ATMs facilities & services
- Laundry services
- Gymnasium facilities
- Gaming Arcadia facilities
- Reprographic, Photocopy services
- Salon facilities
- Post Office facilities
- Books & Stationary facilities
- Departmental Store, etc

Further, a fleet of buses, vans and cars are maintained by the transport department of the Institution. Sports facilities, etc. are maintained by the administration department as per the laid down guidelines. Housekeeping services are outsourced and available on campus 24 x 7. Maintenance of Equipments: The Institute has laid down guidelines and structure for the maintenance of various type of equipments as under: The Institute has a

dedicated cell to look after the repair, maintenance and upkeep of all laboratories.

 Further, major laboratory equipments are under Annual Maintenance

Contract (AMC) for their regular preventive and corrective maintenance. Campus Surveillance Cameras, CCTVs, other security equipments are maintained through IT department by the equipment providers Teaching aids such as LCD Projectors, PA Systems, Laptops, Desktops, Printers, Wi-Fi etc. are maintained

by IT Helpdesk department. Fire Fighting equipments in various blocks, class-room, labs, hostels, offices, etc. are maintained by Fire

& Safety Department. The respective departments conduct a periodic audit to ensure timely corrective action for proper functioning of the various equipments & gadgets

Following Standard Operating Procedures (SOPs) are uploaded as additional information:

1.SOP For Maintaining and Utilizing Library Services

2.SOP for Maintaining and Utilizing Physical, Academic and Support Facilities Such as Teaching & Research, Laboratory and Computer Labs

3.Guidelines for operations & maintenance of sports facilities & sports complex at JITS.

Maintenance of Laboratory Equipment

Periodical check-up of equipment is carried out as per schedule by the lab coordinators The measuring instruments are calibrated regularly.

In addition, maintenance is being done weekly, monthly and yearly and respective registers are maintained in the laboratories

As per the requirement, minor repairs are carried out by the lab instructors or faculty member Major repairs for all laboratory equipment are outsourced by following the procedure as follows:

1. The service request is forwarded to principal through Lab-in-Charge and HoD
2. After approval, Quotation for service is called for and the recommended service provider is identified and forwarded to the principal
3. After approval, the service is carried out in the presence of Lab-in-Charge
4. After service, the work completion statement and bills are submitted to the accounts.

Sports Infrastructure Maintenance

Indoor and outdoor sports infrastructure facilities are properly maintained by the markers throughout the year. Play field and gym equipment are also maintained regularly

File Description	Document
Upload any additional information	[View Document](#)
Paste 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 last five years

Response: 76.22

5.1.1.1 **Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)**

2020-21	2019-20	2018-19	2017-18	2016-17
968	1259	1651	1941	1951

File Description	Document
upload self attested letter with the list of students sanctioned scholarships	[View Document](#)
Upload any additional information	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	[View Document](#)

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution and non-government agencies during the last five years

Response: 84.46

5.1.2.1 **Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)**

2020-21	2019-20	2018-19	2017-18	2016-17
1236	1468	1723	2036	2045

File Description	Document
Upload any additional information	
Number of students benefited by scholarships and freeships besides government schemes in last 5 years	
Institutional data in prescribed format	

5.1.3 Following Capacity development and skills enhancement activities are organised for improving students capability 1. Soft skills 2. Language and communication skills 3. Life skills (Yoga, physical fitness, health and hygiene) 4. Awareness of trends in technology

Response: A. All of the above

File Description	Document
Details of capability enhancement and development schemes	
Any additional information	
Link to Institutional website	

5.1.4 Average percentage of students benefited by career counseling and guidance for competitive examinations as offered by the Institution during the last five years.

Response: 50.79

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

2020-21	2019-20	2018-19	2017-18	2016-17
348	925	1420	1366	1213

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

5.1.5 The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases 1. Implementation of guidelines of statutory/regulatory bodies

2. Organisation wide awareness and undertakings on policies with zero tolerance

3. Mechanisms for submission of online/offline students' grievances

4. Timely redressal of the grievances through appropriate committees

Response: A. All of the above

File Description	Document
Upload any additional information	[View Document](#)
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	[View Document](#)
Details of student grievances including sexual harassment and ragging cases	[View Document](#)

5.2 Student Progression

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

Response: 73.72

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

2020-21	2019-20	2018-19	2017-18	2016-17
347	399	516	342	308

File Description	Document
Upload any additional information	[View Document](#)
Upload any additional information	[View Document](#)
Self attested list of students placed	[View 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: 25.9

5.2.2.1 **Number of outgoing student progressing to higher education.**

Response: 108

File Description	Document
Upload supporting data for student/alumni	
Details of student progression to higher education	
Any additional information	

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

Response: 44.5

5.2.3.1 **Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, *etc.*)) year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
45	12	18	08	01

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

2020-21	2019-20	2018-19	2017-18	2016-17
50	45	22	40	25

File Description	Document
Upload supporting data for student/alumni	
Number of students qualifying in state/ national/ international level examinations during the last five years	
Any additional information	

5.3 Student Participation and Activities

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

Response: 33

5.3.1.1 **Number of awards/medals won by students for outstanding performance in sports / cultural activities at inter-university / state / national / international events (award for a team event should be counted as one) year - wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
5	9	8	6	5

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

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

Response:

Institute encourages participation of students and representatives in various decisions making academic and administrative committees this enable them in acquiring better academic environment.

Student opinions and suggestions are considered to take measures in view of student's perception.

Institute puts efforts for the all-round development of student they take part in various professional society chapters like IEEE, SAE,ISTE,IETE,IEI,CSI,ASME etc..

Also student members are involved in several institute and department level committees with active participation they are explained below.

- **Internal Quality Assurance cell (IQAC):**Student representatives are nominated for this cell who participates in the decision regarding the quality initiatives of the institute.
- **Women Welfare Committee:** The girl students from the final year are maid part of the committee to address issues are women welfare
- **Library committee:** Student representatives are nominated in to the library committee address the issues on procurement of new titles issue and renewal of the books and any additional material required.
- **Sports Committee:** Students representatives give valid suggestions towards the sports activities with n the institute and also address the adequacy of the infrastructure and other facilities.

- **Hostel Committee:** They play major role regarding food quality hygiene and other general facilities also they valenteerly monitor day to day activities and bring to the notice of the Warden immediately.
- **Fest organizing committee:** To organize Tech Fest like Technojits , JAYAM, Annual day celebrations, Graduation day,Cultural fest national level activities and open house all these fests are organized and executed by the student members of all professional societies and student clubs and actively taking part in hosting this event a grand success.
- **Extracurricular activities Committee:** Students club like music club, Creative, Classical, Photography, shooting, short film and classical dance clubs are involved in this committee
- **Class Review Committee (CRC):** It consist of HOD,faculty handling the particular section and 5to 6 representative's in each class meet to discuss the conduct of class work delivery of lecture and overall discipline based on the minutes of the CRC meeting action s instated to improve the academic performance of the class.

In addition to the above students are encouraged to join NSS and Participatein-service activities like organizing blood donation, rural health and sanitization adult education and environmental awareness scam in the neighboring areas as a social responsibility.

Remaining information is provided in additional information

File Description	Document
Upload any additional information	[View Document](#)
Paste link for Additional Information	[View Document](#)

5.3.3 Average number of sports and cultural events / competitions organised by the institution per year

Response: 30.2

5.3.3.1 **Number of sports and cultural events / competitions organised by the institution year - wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
13	41	34	36	27

File Description	Document
Upload any additional information	[View Document](#)
Report of the event	[View Document](#)
Number of sports and cultural events / 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 other support services.

Response:

The Jayamukhi Institute of Technological Sciences (JITS) Alumni Association is a registered society with the number 342 as of April 28, 2006. The main objective is to have all alumni become members of the association and to allow active participation of alumnae in Institute activities, events, and initiatives. The JITS Alumni Association is an official Institute organization whose major goal is to provide all JITS alumnae with a pleasant and inviting interface while also creating a single JITS semantic web. The JITS is extremely proud of its outstanding graduates, who are now spread across the globe and have excelled in every field of high-end engineering and technology. The key objective of the Jayamukhi Institute of Technological Sciences Graduates Association is to organize the networking of all Jayamukhi Institute of Technological Sciences alumni and to build a unified global JITS community for the benefit of the institute and its students.

Objectives of the Alumni

- To foster the feeling of JITSAA fraternity among college alumni through interactions.
- To help the College to gauge the employment environment so as to mold the course outlines over the years.
- To provide a friendly forum to share the achievements of the old students in their professional life.
- To promote correspondence and communication between the present and past students through digital media and by traditional methods.
- To promoting academic and professional excellence by organizing or sponsoring seminars/ conferences/ guest lecturers / publications etc for benefit of the community.
- To enable the members of the Alma Mater to share professional knowledge and innovations in the field.
- To propagate the innovations and ideas of the association through establishment of Chapters inside and outside India.
- To encourage the advancement of Science and Technology through Industry- Institution interaction programs and projects.
- To collaborate with other Alumni Associations of academic institutions so as to facilitate participation in potential projects and programs.

Response:

1. Online registration in the portal of JITSAA, whose link is placed in http://jayamukhi.ac.in

2. To link all the Alumni members with the Alma Mater.

3. To update Alumni members about the activities of Jayamukhi and the Alumni association.

4. As a member of Board of Studies, Alumni are guiding us in academic matters i.e., designing of curriculum and syllabus of courses.

5. Alumni are contributing to the institution as member of Governing Body & Academic Council.

Alumni Association Bank Account Details:

Name: JAYAMUKHI ALUMNI

A/C No: 120000799766

Bank Name: Canara Bank

Branch Name: Hanumakonda, Warangal

IFSC Code: Cnrb0002450

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

5.4.2 Alumni financial contribution during the last five years (in INR).

Response: C. 5 Lakhs - 10 Lakhs

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

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:

Consistent with the changing educational needs of the region, community and different sections of the people the Institute will create an environment to provide technical knowledge, analytical and practical skills, managerial competence and interactive abilities of all the participants in the endeavor.

Mission:

Preparing all the participants in academic activities to serve the local community with innovative and creative knowledge so as to contribute for the development of all sections of the region in particular and the nation in general.

Objectives of the Institute:

The Institution will provide all the facilities like (a) academic programs relevant to the modern environment, (b) establish industry and institution connectivity, (c) create an awareness in the community about the changing educational needs for the social and economic development, (d) update the academic infrastructure like libraries, laboratories, social service and national security capabilities and (e) discharging of the constitutional duties to the nation.

To implement the above corporate objectives, an administrative structure is evolved with the Board of Governors consisting of President, Secretary, Treasurer, Principal, Director and Administrative officers. Their duties and responsibilities are well defined consisting with the legislative prescriptions of the Government.

The members of the Governing Body is jointly responsible to the members on one hand and to the Government including the local community on the other hand with regard to the management of academic standards so as to improve the capabilities and knowledge of all the participants in the Institute. For this purpose, the Governing Body is to effectively manage the properties, finances and the supporting infrastructure.

The day to day academic and administrative activities are planned, organized, directed and controlled by the Principal with the support of the Administrative Officer and the Director according to the policies, programs and procedures. He is to strive to meet the needs of the students, parents, teachers and members of the Society. Further, the Principal/ Director are to discharge the following functions:

1. Custody of all records of the College.

2. Assisting the Secretary and Correspondent in implementing decisions of the Board of Governors.

3. Preparation of annual report of the College by 31st of December every year and present to Board of Governors.

  4. Planning the academic schedule and conducting the academic activities as prescribed by the affiliated University.

   5. Exercise authority to regulate the working of the employees of the College and ensure that they perform the duties as assigned to them.

   6. Sanctioning leave vacation and permission to leave head-quarters.

   7. Deputing the faculty and other staff for STTPs, technical conferences and training in the country or abroad as per the terms & conditions laid down by the Board of Governors.

   8. Delegating the powers to a senior faculty member during the period of absence of the Chief Executive with the consent of Secretary& Correspondent.

The Body meets twice in a year and discusses the agenda . The Body reviews the performance of the college in the previous year with regard to various activities etc.,approve policies. The budget is finalized.

File Description	Document
Any additional information	[View Document]
Link for additional information	[View Document]

6.1.2 The effective leadership is reflected in various institutional practices such as decentralization and participative management.

Response:
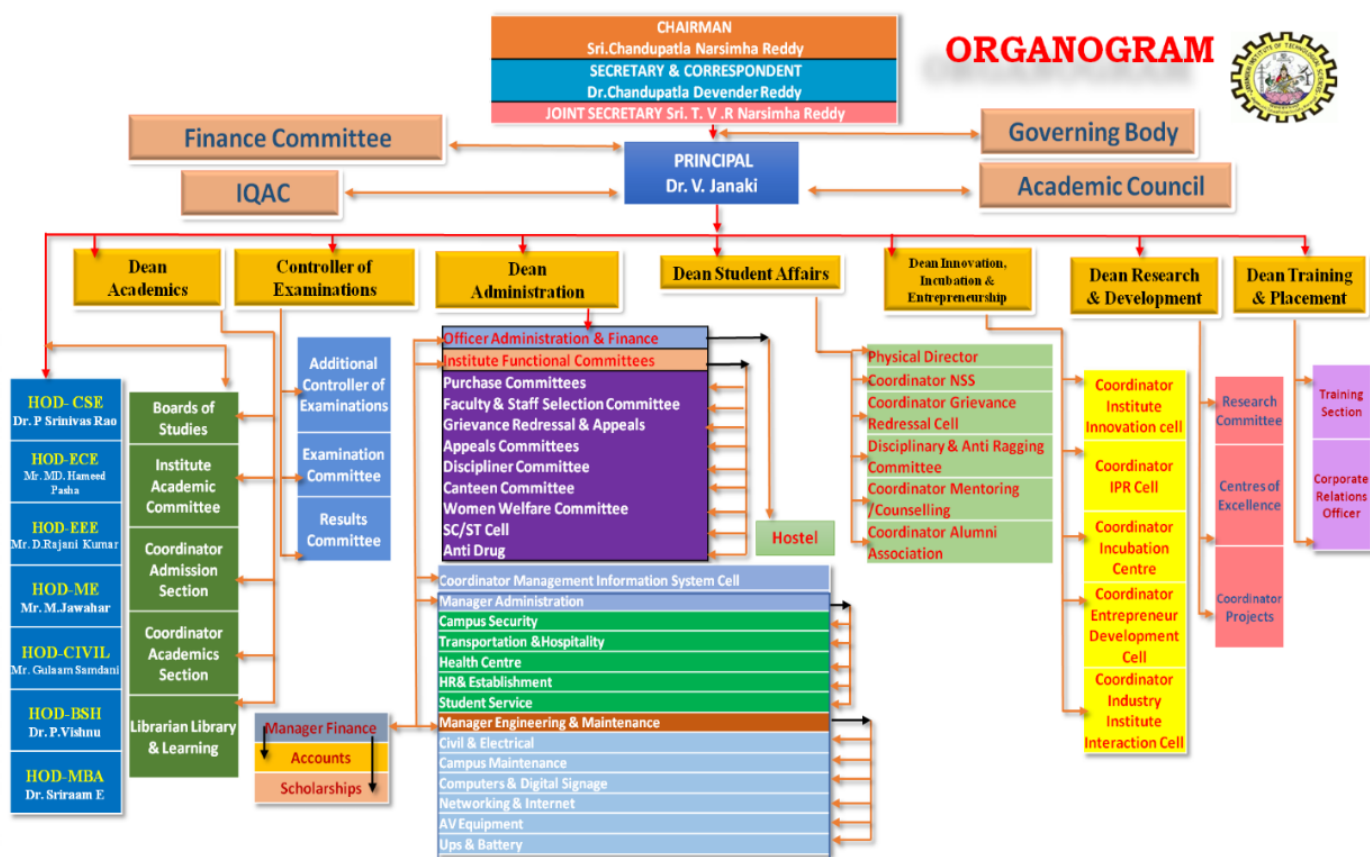
Management of the College initiates the faculty to plan various activities in theday to day functioning of the college to achieve the goals & objectives of the college.

The principal will coordinate all these activities with the help of heads of the departments. The faculty members have to take active participation in implementing various quality improvement plans and programmes. The policy statements and action plans are formulated after careful consideration of all by the management. The management takes the inputs from the stake holders to satisfy the need of industries,society etc.

The principal follows strategic plan and ensures that every teaching and non teaching staff have active involvement in the development of students.

The stake holders are

Students:

1. Students feedback is considered to introduce innovative teaching and learning methodologies.
2. Students input will help to introduce the elective courses to meet current trends.

Alumni:

1. Alumni are the focus group because their success is a measure of the long-term success of our program.
2. Alumni feedback helps in curriculum design to meet recent trends in engineering.

Industry:

1. Industry feedback is necessary to meet the gaps in curriculum between program and industry.
2. Students are trained for not only technical roles but also for leadership.
3. Personals from Industries are invited to conduct workshops, Hands on training to create awareness on emerging technologies among the students and faculty.

Faculty:

1. Faculty members involve in various committees to ensure the smooth functioning and monitoring of the program as per regulations.
2. Faculty members provide inputs for designing the programs and effective implementation of PEOs/POs, course objectives and assessment.

Management:

1. Management maintains coordination among all the stake holders of the institute for smooth functioning and growth of the institution.

Parents:

1. Desire their wards to settle in good professional careers and pursue higher education

College Academic Committee :

College academic committee conducts a meetings regularly and frame the, vision and mission statements and Quality policy. The Internal Quality Assurance Committee members of the programme frame the Program Educational Objectives (PEOs) and Programme Outcomes (POs). After that entire faculty defines the Course Outcomes (COs). Later these Course outcomes are mapped to POs and PEOs and the alignment with the vision and mission statements is verified.

From the feedbacks the stakeholders gives inputs and the same are been analysed to ascertain additional inputs required in training, teaching and research.

Internal stakeholders are exposed to state of art information through digital library, expert lectures, NPTEL, FDPs, industrial training and projects carried in the laboratory etc.

File Description	Document
Any additional informatiom	View Document
Link for strategic plan and deployment documents on the website	View Document

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

The perspective institutional plan is developed by the College Academic Committee by consulting members of the Boards of studies. The academic committee comprising the Principal, and heads of the department and members from affiliating university, experts from industries meet at least twice in an academic year. On the basis of the academic schedule, the coordinator of the academic committee prepares academic calendar for the academic year as per the regulations of the university. This calendar includes a list of programmes and activities to be conducted. It is prepared in consultation with faculty and administrators; hence they are automatically involved in planning process. These plans are improved regularly to ensure the development of the institution.

The Institute brings out its plan for growth and development in consultation with the various committees.

File Description	Document
Any additional information	[View Document](#)
Link for Strategic Plan and deployment documents on the website	[View Document](#)

6.2.2 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules and procedures, etc.

Response:

Functions of the Governing Body:

1.Subject to the provisions of the relevant Acts of the Government of Telangana and the rules & regulations of AICTE the Governing Body shall be responsible for general superintendence, direction and control of affairs of the Institute.

2.Without prejudice to the provisions of clause The Governing Body shall Take decisions

i). Relating to the administration and working of Institute.

ii). Regarding the new programmes of study to be introduced at Institute.

iii). Consider the annual reports, accounts, audit report, budget estimates and plans.

3.The Governing Body shall have the power to appoint such Committees.

Responsibilities of Board of Governors:

1. **Chairman:** shall exercise such powers and perform such other duties as may be assigned to him by the Society and which are consistent with the relevant Acts and ordinances of the affiliating university..

II. **Secretary& Correspondent:** shall be custodian of the funds and other properties of the College. He will administer all the decisions of the BOD's. He is the disciplinary authority in respect of the employees.

1. **Treasurer:** is the custodian of books of accounts of the College. At the end of the year he will present the financial report and budget for the next.

III. **Principal:** is responsible for the administration of the College.

1. **Recruitment &promotional policies:**.

For the posts of Principal, Professors, Assistant Professors and Lecturers the recruitment qualifications shall be the same as prescribed by the A.I.C.T.E. from time to time. In respect of all other posts the Governing Body of the Institute shall have the power to prescribe the recruitment qualifications. If the post is to be filled by open advertisement, by the Secretary & Correspondent. The applications received for the posts belonging to the categories of staff; Academic staff, Administrative officers, Technical Supporting Staff, Ministerial staff and class-IV staff in response to an advertisement shall be screened by the Administrative Committee to select the candidates, shall be screened by the Secretary & Correspondent with the assistance of the Principal.

1. **Faculty Positions (Professors, Assos. Professors andAsst.Prof)** : The selection board will have the members as under:

• Nominee of the Vice-Chancellor of University.

• Chairman of the Governing Body.

• Secretary & Correspondent of the Institute.

• Principal of the Institute.

• HOD or Chairman, Board of studies of the concerned discipline.

• Two Experts to be nominated by the Vice-Chancellor of the University.

• Director of Technical Education, TS. or his Nominee.

1. **For the cadres of Administrative officers:**

• Chairman, Governing Body of the Institute.

- Secretary & Correspondent of the Institute.

- Principal of the Institute.

- One Expert Member to be nominated by Chairman.

- Director of Technical Education or his Nominee.

1. **. For the posts of Technical Supporting Staff, Ministerial Staff and Class-IV Staff :**

- Chairman, Governing Body of the Institute or his Nominee.

- Secretary & Correspondent of the Institute.

- Principal of the Institute.

- HOD..

- Director of Technical Education or his Nominee.

The Chairman, or Secretary & Correspondent shall be the Chairman.

File Description	Document
Any additional information	[View Document](#)
Link to Organogram of the Institution webpage	[View Document](#)

6.2.3 Implementation of e-governance in areas of operation

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

Response: A. All of the above

File Description	Document
Screen shots of user interfaces	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[View 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 and avenues for career development/ progression

Response:

An institution is only as good as its staff. The institution understands this and appreciates the efforts of itsstaff. It recognizes their hard work and acknowledges their needs and requirements. As a result the institution has a very strong welfare policy for its teaching and non-teaching staff.

Performance of each member of the faculty as well as the non-teaching staff is evaluated by the institution. Increments are given to the top per-formers on the basis of the appraisal system of the college. Performance appraisal starts with tracking of individual accomplishments in terms of self rating for all parameters like attendance, results, paper presentations, publications, conferences, workshops, seminars attended, certifications and awards received. Further ratings are given by the HOD's followed by the Principal of our college.

PDPs (Professional Development Programs) are organized by the institution. The faculties are facilitated to attend various Professional Development Activities throughout the academic year. TSL (Training and Study Leave) is approved for the faculty who go for doctoral programs or Career Advance Scheme. The institution encourages the faculty who are pursuing Ph.Ds., to avail one month extra summer vacation and a week break during examinations.

Summer vacation of four weeks is given to the entire faculty who have completed a minimum of six months service in the institution. Flexible work hours are permitted to the faculty with personal difficulties. Faculty can apply for flexible work hours, in the beginning of the academic year, once the need of flexibility and justification of compensating the gaps caused by the absence is determined.

A free of cost bus transport facility is given to all the employees. Provident fund is paid by the institution as per the statutory rules. Partial Medical Insurance extended by the institution. A Grievance Redressal Cell is formed and all faculty concerns are addressed.

File Description	Document
Any additional information	[View 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: 6.4

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**

2020-21	2019-20	2018-19	2017-18	2016-17
14	25	21	6	5

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

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

Response: 12.6

6.3.3.1 **Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
29	8	13	9	4

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).

Response: 46.54

6.3.4.1 **Total number of teachers attending professional development Programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes year wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
184	176	30	46	79

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

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

The College has a well developed accounting and auditing system in place. The books of accounts and the records are maintained to meet the needs of the Government as well as the Governing Body. In the non-teaching Section of the College, there is a separate Accounting Department headed by a qualified Superintendent. Under his control a few Office Assistants are working. In this Accounting Department there are a sub-sections to look after the work relating to Fee Collection, Examination accounts, Stores accounts and Grants in Aid.

For the purpose of maintaining the assets of the College, accounting books like (a) Admission Register, (b) Cash Book, (c) Stock Register, (d) A quittance Register and (e) supporting Registers and Records.

To ensure correctness of accounting records there is a system of (a) Internal Check, (b) Internal Audit and (c) External Financial Audit. The College follows the Government Financial Rules (GFR) as in vogue in the country.

1. **Internal check:** commences with the note prepared by the Office Assistant concerned, checked by the Superintendent, forwarded by the Principal/Director and approved by the Administrative Officer. All these officers process the expenses and incomes in the light of the approved Annual Budget of the College. As a sign of approval every officer signs the books and concerned registers.
2. **Internal Audit:** is a formal system of ensuring correctness, authenticity and sanctions of the financial transactions. For the purpose of internal verification, a team of Internal Audit is constituted with three Senior members of Non-teaching Staff. They check all the accounting entries and the supporting documents every day on concurrent basis. Any defects, deviations from the policies, budgetary provisions, and procedures will be brought to the notice of the Management. The latter group viz., Principal/Director/Administrative Officer will instruct the Accounting Staff to rectify the entries.

3. **External Audit:** is carried out by an external qualified and approved Auditor. The approved Auditor is a Chartered Accountant appointed and authorized by the Board of Governors. Once in a year, the Receipts and Payments Accounts along with Balance Sheet and other documents are verified by the External Auditor. The external Audit party will also give their Audit Report, which is going to be examined by the Governing Board.

With regard to the Grants-in-Aid sanctioned and received from various government agencies for various projects , separate accounts are opened and entries are made as and when the funds are utilized. At the end of the Project/Scheme period accounts are submitted to external auditor and Utilization Certificate is obtained

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

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

Response: 3.05

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

2020-21	2019-20	2018-19	2017-18	2016-17
0	1.14	1.91	0	0

File Description	Document
Institutional data in prescribed format	[View Document]()
Any additional information	[View Document]()
Annual statements of accounts	[View Document]()
Link for additional information	[View Document]()

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

Response:

The funds for the Institution are mobilized as per the Rules and Regulations as prescribed by the State Government. The seed money required for starting of the College is mobilized by the Registered Education Society. The Society pool the funds from various parties as donations. The basic infrastructure like buildings, open grounds, furniture and laboratories and libraries are purchased by the Education Society and given to the College.

The problem with regard to recurring expenses like teaching staff salaries, stationary and the other contingencies are met out of the funds given by the Government as re-imbursement of the fee as decided by the appropriate agencies. The re-imbursement of the fee is decided as per the number of students admitted by the Government/University every year.

In addition to the above source, the College collects admission fee, examination fee and Library fee are collected from the students on annual basis.

As a matter of fact there are no exclusive strategies for the mobilization of funds except those approved by the University/Government.

File Description	Document
Any additional information	[View 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 visible in terms of – Incremental improvements made for the preceding five years with regard to quality (in case of first cycle) Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives (second and subsequent cycles)

Response:

The Internal Quality Assurance Cell was started in the year 2018 to monitor the quality of services being provided by the institution to its stakeholders. An IQAC committee is formed and approved by the governing body to take care of Quality assurance strategies and processes. Jayamukhi Institute of Technological Sciences (JITS) is committed to continually improve the infrastructure, enhance the faculty competencies and empower the students to self-learning. The IQAC enables the institution to focus on

thismission and never falter from their goal.

Reviewing of the quality policy is done once in every semester and the revision place as and when required by the IQAC committee. Parameters related to the enhancing of the quality of the institution like workshops, conferences, FDP's, paper publications, innovations in teaching and more are considered after the approval of IQAC Committee.

Example 1: Training programs to the faculty:

The institution pays lot of attention to the quality of its product. Through years of progress it has initiated and developed several activities and training programs for the faculty through IQAC. Some of the notable activities organized by IQAC for the development of the institution are English communication skills, yoga, professional behavior workshop, aptitude training, training for labs and trainings on outcome based education among many more.

Example 2: Career Assurance Program (CAP):

Drawing from its rich experience in engineering education since JITS's inception in 2001, the placement statistics of a decade and invaluable inputs from numerous leading industry experts, the CDC has designed an exhaustive and innovative four-year program which is called the JITS Career Assurance Program (CAP). Built to help the students secure their future and enable them to create their own path, this program allows for every student of JITS to be successful. If followed diligently, the program completely prepares the students to venture out and begin their careers – be it a job, higher studies in India or abroad. This systematic, rigorous, outcome based program uses the concept of digestible lesson plans as building blocks and measurable outcomes to slowly but surely train students for success in their chosen careers. The program includes career mapping, internships, industry certifications, benchmarking, frequent check points, aptitude and soft skills trainings and counseling for students and parents to ensure that the participants remain on track. Through these various adapted methods, the students receive a holistic development that helps them build their own unique personality. Alongside providing quality education, JITS also ensures that this education is useful to its student in whatever profession they wish to choose.

These examples are among the many others. Apart from these two initiatives, the college constantly reinvents and innovates itself to comply to the need to maintain high quality education. It strives to be the best so that it can be to provide the best to its students as that is what they truly deserve. They keep in mind the vision and mission of the institution and conduct regular self-assessments to ensure the IQAC's efficient functioning as well

File Description	Document
Any additional information	View 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 and recorded the incremental improvement in various activities (For first cycle - Incremental improvements made

for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives   )

Response:

Once in every semester, the faculty come together for the faculty conclave. In this meeting, they share their experience to promote mutual growth. The faculty discuss their course planning, delivery and assessment. Each subject teacher writes a course outcome in the beginning of the year and schedules a 50 to 60 hours plan to deliver it. He/she also makes a day wise schedule to plan which topic is taught on which exact day, what methodology will be used, pedagogies and what is expected out of that lesson. They also collect necessary feedback from the students, measure the extent of their implementation and assess the impact of their activities. They also take photographs, which are shared at this conclave. All teachers come up with extracts of what went well and what went wrong with their teaching methods. A ten-minute power pointpresentation is given by every teacher summarizing actions. Outside experts are invited to assess and give their valuable feedback. The same recordings are published in the house journals for further spread and reference.

Example 2: Course files:

 Course files or planning documents of every course are used to bring objectivity and strategize the course of teaching and learning for every topic. The teachers go through the syllabus and ensure that all the registered students fulfill the pre-requisites of the course. They check if the students have a fair knowledge of the basics, so that they are able to understand the teaching. This is done by planning surveys and announcements.

Upon cross-checking pre-requisites the teachers start their event schedule that they plan in the beginning of the year. A proper plan for each topic and its delivery is made by the teacher. The college's automation system allows the teacher to input the exact date and the topic taught for future reference as well. At the end of every topic, the teacher conducts a pre-planned revision. Mapping of the course outcome is done along with the program outcome.

Course files have proven to be great guiding tools that provide the teacher direction and a sense of clarity while teaching. It is a 15 to 20 pages document including a few basic details of the teacher, course and department followed by the day wise schedule, pedagogies, revision questions, faculty profile and expectations of the students.

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

6.5.3 Quality assurance initiatives of the institution include:

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements**
2. **Collaborative quality initiatives with other institution(s)**

3. Participation in NIRF
4. Any other quality audit recognized by state, national or international agencies (ISO Certification)

Response: All of the above

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)
Paste web link of Annual reports of Institution	[View Document](#)
Link for additional information	[View Document](#)

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Measures initiated by the Institution for the promotion of gender equity during the last five years.

Response:

Response :

Right from the day of admission of the students into their respective courses, an impression is given by the Principal and the Heads of the Departments that girls and boys are treated on par with each other in all the decisions. An orientation program is organized at the beginning of each year in which the Senior students are invited to give their impressions about the gender equality environment prevailing in the Institution. Further, lectures are arranged periodically by Women Rights activists to all the senior and junior students. Mentoring committees are also constituted to solve any stale events that arise in the College. This Committee is composed of Senior Faculty – (Ladies and gents) and alumni students headed by the Principal. First year students are exposed to importance of Gender Sensitization by arranging experts from social fields, police department and cultural associations. Every year 3 to 4 such programmes are arranged by the institution.

a. Safety and Security –All precautions are taken on continuous basis at the students' boarding points and inside the Vehicles while conveying the students to the College. Every Driver of the College Vehicles is instructed to keep an eye on the students sitting inside so as to maintain harmony. At canteen, library, and sports area are also monitored by the Care Taker appointed for general purpose supervision. At all the Gates trained Security Force is arranged who will never allow outsiders unless some proof is shown as to their bonefide visits. Similarly, they do not allow the students irrespective of gender to leave the Campus unless Gate Pass issued by the Principal and/or the Head of the Department Concerned is produced. Twenty four hours Vigil is arranged inside the Campus to avoid unreasonable movement of the students. As a matter of fact, Closed circuit cameras are installed at various points to record the activities of the people moving in the campus.

b. Counselling – At College level as well as at the Department level Counselors are appointed to advise the students about their duties and discipline. At the same time each faculty member in the Department are allotted a few Students (5 to10) for general couselling and also for solving their academic problems. Women Welfare Committee is constituted which carries out regular counseling to the female students in groups and at individual level. Special counseling facility is also provided from Career Development Centre (CDC). It initiates remedial measures on the recommendation of any of the faculty, friends of students or by self request.

c. **Common Room** – Dedicated Common Room for female students with resting facilities are created on

permanent basis. Electric Sanitary Pad Disposal Machine are installed in the girls common room. The Common Room is being helped by a Lady Attainder to help the inmates. Specific cleaning schedule is given to the housekeeping people and followed meticulously.

d. Day Care center for Young Children: Does not arise since all the students are adults.

File Description	Document
Annual gender sensitization action plan	View Document
Specific facilities provided for women in terms of: a.Safety and security b.Counselling c.Common Rooms d. Day care center for young children e. Any other relevant information	View Document

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. **Solar energy**
2. **Biogas plant**
3. **Wheeling to the Grid**
4. **Sensor-based energy conservation**
5. **Use of LED bulbs/ power efficient equipment**

Response: A. 4 or All of the above

File Description	Document
Geotagged Photographs	View Document
Any other relevant information	View Document

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- **Solid waste management**
- **Liquid waste management**
- **Biomedical waste management**
- **E-waste management**
- **Waste recycling system**
- **Hazardous chemicals and radioactive waste management**

Response:

The Institute is wedded to the principle of "Reduce-Reuse-Recycle" the waste. It involves collection, treatment and disposal of wastes and transported to the nearest municipal garbage. JITS arranges different dust bins to segregate the different waste like solid, liquid, and biomedical etc.. Everyday's accumulated

waste is collected in bins and disposed to a place where it can be converted into manure.

7.1.3.1. Solid Waste Management:

- The entire plantation of the campus is organically nurtured from the solid waste management produced from the different areas of campus.
- It is segregated at source and collected by housekeeping staff to dispose to the dumping yards
- Solid wastes like plastics, metals glass, cardboards, newspapers and stationary are collected and, segregated to sell to authorize vendors for their recycling.
- One side used papers are reused for sending fax, print drafts, meeting minutes, memos and notes in the offices are encouraged to reduce wastages.
- Waste from students mess and canteen, and horticultural waste and dried leaves, twigs, and plant clippings are collected and burnt. Such ashes are reused as fertilizer.

7.1.3.2. Liquid Waste Management:

- Waste water from students' mess washroom, toilets, and canteen channelized into the sewerage system to reach underground drainage pipes.
- Poured off water from the RO plants is processed and used for watering the plants with the help of sprinklers in the garden.

7.1.3.3. Biomedical Waste Management:

- The public health care system is organized periodically with the help of Medical and Health Department. At that event, bio medical waste is resulted which is lifted by the Department itself. However, the residual waste resulting from blood donation camps, Medical field works etc, are taken off by the Public Health Department.
- The sanitary staff employed on temporary basis and also to the students are advised to wear Masks, head gears, eye covers, apron, gloves, and boots to ward off from infections and transmissions.
- For disposing Sanitary napkins incinerator are arranged in the girls waiting hall.

7.1.3.4. E-Waste Management:

- E-waste is the result of discarded and damaged processers, obsolescent hardware. This type of waste is generally limited since the Computer Technicians and systems Operators constantly supervise. However such wastages are periodically disposed to Computer Assembling agencies.
- The Electronic waste such as damaged power generators, copiers, AC, water coolers etc are periodically noted and disposed to the suppliers who reuse them.
- Discharged Batteries are reused by recharging or by returning to the suppliers.
-
- Students using the computer labs are advised not to throw their non-useable or used electronic devices in the college.

- **7.1.3.5. Waste recycling system:**

- Waste recycling involves the collection of waste materials and segregation of the waste material. JITS has setup a recycling programme to meet the need of recycling the waste.
- Waste paper/used papers are sold out to paper industry through the intermediaries.

.1.3.6. Hazardous chemical and radioactive waste: This problem does not arise since the radio active and air pollution elements do not exist,

File Description	Document
Relevant documents like agreements/MoUs with Government and other approved agencies	[View Document](#)
Geotagged photographs of the facilities	[View Document](#)

7.1.4 Water conservation facilities available in the Institution:

1. **Rain water harvesting**
2. **Borewell /Open well recharge**
3. **Construction of tanks and bunds**
4. **Waste water recycling**
5. **Maintenance of water bodies and distribution system in the campus**

Response: A. Any 4 or all of the above

File Description	Document
Geotagged photographs / videos of the facilities	[View Document](#)
Link for any additional information	[View Document](#)

7.1.5 Green campus initiatives include:

1. **Restricted entry of automobiles**
2. **Use of Bicycles/ Battery powered vehicles**
3. **Pedestrian Friendly pathways**
4. **Ban on use of Plastic**
5. **landscaping with trees and plants**

Response: A. Any 4 or All of the above

File Description	Document
Various policy documents / decisions circulated for implementation	[View Document](#)
Geotagged photos / videos of the facilities	[View Document](#)

7.1.6 Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives:

1. **Green audit**
2. **Energy audit**
3. **Environment audit**
4. **Clean and green campus recognitions / awards**
5. **Beyond the campus environmental promotion activities**

Response: A. Any 4 or all of the above

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	View Document
Certification by the auditing agency	View Document
Any other relevant information	View Document

7.1.7 The Institution has disabled-friendly, barrier free environment

1. **Built environment with ramps/lifts for easy access to classrooms.**
2. **Divyangjan friendly washrooms**
3. **Signage including tactile path, lights, display boards and signposts**
4. **Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment**
5. **Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

Response: A. Any 4 or all of the above

File Description	Document
Policy documents and information brochures on the support to be provided	View Document
Geotagged photographs / videos of the facilities	View Document

7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

Response:

For establishing peaceful, harmonious and friendly atmosphere in the campus, the institution organizes social, religious and, cultural events for the benefit of teachers and students. The Faculty is encouraged to see that all the students attend such programs on the relevant days. The admissions are by counseling

system of the Government. It promotes bondage among all the students. In the Orientation program all the students are impressed that the Campus is a multi-cultural and multi-faith center representing the true nature of India.

Periodically, the college organizes **socioeconomic cultural diversity program** to ensure and assure harmony among the students to promote tolerance of different sections of the students. In these programs the students are asked to gather at a common place wearing their specific ethnic attires. The College instruct them to speak in their own original tongue on the Forum organized to exchange their national commitment. In these Meets students are encouraged to sing songs concerning the National Unity. Bathukamma festival is region specific. It is a local festival of women.

Bathukamma festival goes for a fortnight in which all sections of the people irrespective of their religion parrticipate. Similarly, the festival of Lights is celebrated. The international festivities like Christmas, Bakrid are organized . These festivities are held on the following days of the festivals. The birth days of world famous philosophers like Vivekananda, Gurunanak and modern thinkers like Ambedkar, Jagjeevanram are organized in the College in which the students are to deliver lectures under the guidance of the Faculty.

File Description	Document
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View Document](#)

7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

Response:

The institute believes that any values and ethics are inculcated and nurtured at the young age. To mould the young students as socially responsible citizens in general and make them sociable students in particular, the institute, as a primary effort, offers two mandatory courses like 'Human Values and Professional Ethics' and 'Constitution of India' which are mandatory courses. These courses discuss the nature of the constitution and different article that discuss the fundamental right and duties and citizen ship of the people. The course also discusses the three bodies of the government; judiciary, executive, and administrative or policy making bodies.

The students must take the course and score minimum marks to pass the exam. During the teaching of these courses students are encouraged to give seminars and discuss in groups about the given issues. Direct assessment is done in the form of mid exam and semester exam to make sure that the students have got at least minimum knowledge of some important acts like RTI 2005, DISHA, NIRBHAYA ACT to control the reckless behavior of the students.

Apart from that, the college sensitizes the students about the values and ethics by organizing lectures by

reputed experts. Sign boards emphasizing The Vision and Mission statements of the College are arranged in almost all blocks reminding their duties and responsibilities to the community and to fellow citizens. The Citizen's charter and the fundamental duties and responsibilities adumbrated in the Indian Constitution are popularized by placing the signboards at important points.

Other programs to sensitize the students to constitutional obligations include:

Awareness program on right to cast vote:

The institute organizes an awareness program on the importance of vote right emphasizing that 'casting vote to honest representatives is building corruption free country'.

In addition to the messages of the principal and director of the college, some police personnel, and authorities of jury are invited to make key note speech for molding the attitude of the budding engineers.

Say no-to- ragging:

In addition to the messages of the principal and director of the college, some police personnel, and authorities of jury are invited to make key note speech for molding the attitude of the budding engineers.

As a part of the program the bring awareness about what eve-teasing is and what ragging is and what sections of law are implemented and also about the details of imprisonment and death sentences for ragging turned rape.

Awareness program on RTI (2005)

The institute also holds meetings to discuss the importance and utilization of RTI in and beyond the campus. The students also propagate the significance of the act raising slogans in the nearby villages.

A program to remind 51(A):

Citizens following the constitutional acts or values can be responsible and patriotic. To achieve this, the discussion of 51(A) holding meetings, is very useful act of the institute that holds the meeting occasionally. During the meeting the students take an oath to follow the 51(a) which discusses the duties and responsibilities of the citizen of India.

File Description	Document
• Details of activities that inculcate values; necessary to render students in to responsible citizens	[View Document](#)
Any other relevant information	[View Document](#)

7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

1. **The Code of Conduct is displayed on the website**
2. **There is a committee to monitor adherence to the Code of Conduct**
3. **Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
4. **Annual awareness programmes on Code of Conduct are organized**

Response: A. All of the above

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	[View Document](#)
Code of ethics policy document	[View Document](#)

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

Response:

Students and teachers of JITS regularly organize National Festivals, commemorative days of great Personalities to promote national integration and a feeling of Vasudheika Kutumbam (A feeling that all the people in the World are the members of one Family). Thoughts of great Indian personalities are seeded into the minds of students through the programs conducted on the specific days. Since the Institution believes that these events transform the students mindset, the students are encouraged to take initiative in conducting the events. These events not only create awareness about nationalism but also emphasize the need for universal peace and unity. A brief narration of national and international events that are celebrated in the Institution is given below:

Republic Day: The Republic Day is celebrated with gaiety and patriotic fervor at JITS. On this privileged occasion, celebrations starts with the vibrant and elegant National Flag hoisting ceremony and the heartfelt renditions of patriotic songs arises feelings of commitment and brotherhood among the teachers and students.

Independence Day: The institution celebrates Independence Day every year by a simple and elegant flag hoisting ceremony in the presence of invited local patriots. Guest, unfurls the national flag followed by narration of his experiences beaming patriotism outshined during the singing of National Anthem.

B. R. Ambedkar Jayanthi (Birth anniversary of Dr. Bhimrao Ambedkar) - Ambedkar Janmotsav

Samiti is celebrated on the birth anniversary of Dr. B.R. Ambedkar with procession organized in the Town and ends by garlanding the Statue. On this occasion students debating competitions are held emphasizing the Constitutional obligations of every citizen.

Engineers day (Birth Anniversary of Sir M. Visvesvaraya) –The institution celebrates this day on 15th September consistently as an exceptional tribute to the best Indian Engineer, Bharat Ratna Mokshagundam Visvesvaraya.

Teachers Day: The institution celebrates Teachers day to commemorate the birth anniversary of the second President of India, Dr. Sarvepalli Radhakrishnan, a great teacher and a staunch believer of education as catalyst..

International women's day: JITS celebrates women's day (8th March) every year in the premises of the institute to create awareness about the status and dignity of women in the society. Essay writing competition is held every year to highlight the importance of women education and empowerment.

International Yoga day: JITS organize on 21st June as international Yoga day to make students and staff to realize the importance of yoga in daily life for physical and mental health.

Dussehra - In the season of Navaratri, the institution organizes devi navaratri utsava every year. Students and staff members dress up in traditional clothing and stages group dance which enhances unity and integrity among the students.

Christmas- The institution also has the practice of celebrating Christmas in the college campus every year, to develop religious tolerance and thereby achieving secularism.

Ganesha Chaturthi – The students and staff of the Jayamukhi institute of Technological sciences enthusiastically organize the ganapathi navaratri utsavas in the month of September.

File Description	Document
Geotagged photographs of some of the events	[View Document](#)
Any other relevant information	[View Document](#)

7.2 Best Practices

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Response:

Practice-I

Title: Support System to Scale-up Students (SSSS) to face the life Challenges.

 Objectives:

The main objective of the SSSS is to train the students to be industry ready and to meet of problems of society. This Institution periodically arranges training in soft skills like communication, group discussion, mock interviews, JAM session, public speaking, vocabulary building, coding, and resume writing, and Group Discussion under the CRT (Campus Recruitment Training) system. In this connection students teams like JAYTARANG, TECHNO-JITS, SPOORTHY, ABHIGNATHA, are constituted and encouraged to celebrate national and international days. The functional objectives of the SSSS are:

- To prepare students for interviews by giving repeated exposure through arranging training in Aptitude, group discussions, technical and HR interviews by professional trainers.

- To counsel students by organizing guidance lectures by experts, business executives and most importantly by the well placed alumni.

- To update industrial knowledge of students by conducting Seminars, Expert lectures, and Corporate visits.

- To organize face to face discussions with corporate experts to know the better practice that help s '*learning by doing*' that builds confidence among students.

Context:

Every employer always prefer pulsating and zealous graduates who are with a good academic background, ready to accept challenges, attentive, quick learning, and open to learn even at workplace. Effective communication, both at work place and in real life, plays a major role while the academic score card and technical knowledge are considered only at one phase of the recruitment process.

In the context of the location of this College and its socio-economic environment, the candidates cannot be left lurking in the community by themselves. They have no natural exposure to the new and modern trends of industry, farming, management, and digital expansion. Hence, they require a focused, systematic and

scientific orientation which the SSSS is going to provide. In the absence such involvement of the educational institution, they are left to the wild winds of indiscipline and mutual exploitation and recrimination.

The Practice:

The JITS initiated the above system in the very first year of its establishment in 2001. Students are encouraged to participate both in technical skill developing activities like training in different programming languages and the activities that develop interpersonal communication skills such as event organization of various programs like get-together meeting with high-profile people, developing team approach. One of such programmes is:

1. CRT (Campus Recruitment Training). This programme offers the students opportunity to build knowledge, confidence and give them practice in:

a. Vocabulary building:

Students are taught about the different methods of forming new words, understanding the meaning of such new words by knowing their genesis, roots and affixes, Students are made to undertake exercises of using the words in different context. In support of building vocabulary of the students, the College organizes Language Laboratory manned by language expert. Further, the students are trained to refer to Thesaurus sources to build word power.

b.Soft skills training:

The CRT programme trains the people in interpersonal communication skills, self awareness through the tools like *Johari Window*, and looking at the bright side of the things to manage the downbeats. Renowned trainers like Dr. B. V. Pattabhiram (Prashanthi Counseling and HRD Center), Sri C. Narsimha Rao and Nageswara Rao are invited to address the students on continuous basis.

c.**JAM**: JAM sessions are normally conducted by the recruiting companies as a part of their selection process, and to add spontaneity to the process of interviewing the potential employee. .

D.Group discussion: Frequently, Group discussions are conducted under the supervision of expert trainers drawn from among the faculty and professional consultants. . Students are also taught to use different connecting or contrasting linkers to ease the flow of expression

e.Mock interviews: Mock interviews are frequently arranged to train the students to face the real-time interviews without fear.. Occasionally, outside experts are called in to conduct such interviews to make the students to shed shyness and build boldness.

1. Aptitude test practice: Mere holding a degree is not an evidence of aptitude and fitness of the candidate for the job sought. Hence, there is a need to ascertain the aptitude of the job seekers. Hence, aptitude testing and training of the job seeker is desirable. The JITS further conducts programmes to improve the students' academic strength through a series of programs and workshops whereby they can hone their oral and written presentation skills like extempore speech, public speaking skills, and content writing skills.

TECHNOJITS, an Annual Inter-college event, is the program laying foundation for building business

ideas and entrepreneurship skills. The programme also helps the students to know how to market the products.

Evidence of success

JITS has noticed a massive development of the interpersonal communication skills and technical skills in the students who actively participated in all the activities of different programmes held inside and outside the campus. The students could gain effective communication skills and good attitude with positive mindset. The placement cell's list shows that most of the candidates placed were those who were active in all the co curricular activities. Most of the candidates were placed with high packages.

A few students have launched online business of selling computer peripherals to earn a livelihood. JITS' IIC(Institute Innovation Cell) also imparted the technical skills helped the students make models of solar car, multipurpose solar harvester for agricultural use, wheel chair with auto navigation, auto detection for drunken-drive and cut-off fuel system two wheelers, Multi nozzle pesticide sprayer, mini tractor, racing car (go-kart vehicle) etc. It is also observed that there is a significant positive change in students' attitude towards career building and skill and personality development. A look at the information presented in Table: I and II (given at the end of this paper) explain that there is huge improvement in the attitude of the students in participating in various programs. Further, the faculty find the students communicating in English with friends, faculty and visiting resource persons.

Problems encountered and Resources Required

Despite JITS' dedication and commitment to produce engineers with passion towards professional and personal lives, the institute requires additional infrastructure and human resources. JITS has to provide additional infrastructure like transport system, auditoriums with audio and video system, LCDs, and non-teacher personnel.

The socio-cultural environment is quiet different since most of the admissions are from rural and tribal areas near around the College location. They have to be motivated by constant and continuous counseling and mentoring. Hence, an additional infrastructure and coaching facilities are required for which funding has become a constraint.

To enhance the expertise of the faculty, the JITS has to provide funds to organize offline and online FDP (Faculty Development Programme) , workshops, and seminars which require additional grants from national as well as regional agencies.

Practice –II

1. **Title of the practice: JITSTECH-SEVA; AN OUTREACH PROGRAMME**
2. **Objectives of the practice**

JITSTECH-SEVA is a team of students joined together interested to render service in the nearby communities. Its objective is précised with the tag line of 'We go miles for your Smiles', Thus it is an outreach program facilitated by JITS committed to provide all resources such as transport and headed by a Coordinator. The important function of the Coordinator is to collect information from the Government Officials and renowned local leaders so as to identify the socio-economic problems concerned. He will develop appropriate programs and guide the JITSTECH-SEVA to undertake suitable programs. Besides teaching modern computer education to nearby government school children as main goal, the objectives of the program are:

- To make our students socially responsible by involving them in teaching ICT to underprivileged students of selected nearby schools and thereby developing service orientation and holistic approach of socio-economic development.
- To extend academic support to all the students of selected schools irrespective of caste, creed or gender.
- To instill 'generosity' and a 'sense of social responsibility' among the students.
- To provide knowledge of government education services.

1. **The context.**

Telangana region, in general has remained undeveloped for several socio-political reasons; and this region in particular suffered from zero or low literacy--consequently poverty, under-nourishment, hand- to- mouth incomes--resulting poor standard of living. Moreover, both geographically and demographically, this region has the disadvantage of large number of tribal villages and arid lands. However, in recent years, people in this region started realizing that they are too backward but there are opportunities to grow equal with other regions. This awakening is the result of a few educational institutions coming up in the region. Hence, there is a reason for the higher educational institutions to pep up the feelings of growth and development. In this context, the JITS felt it is necessary to support the nearby communities by creating a culture of self -awareness and soul-searching. Further, JITSTECH-SEVA, by its outreaching program is able to promote mutual exchange of culture of learning the best practices of the communities.

JITS believes: "Education must be free." In pursuit of this belief, the institution encouraged its students on December 2, 2013, to initiate programs of learning by serving the society in real life situation. This system enabled the students to avoid monotonous classroom teaching and learning. The institute, as it is located in rural area, has massive strength of students from local government schools with poor computer and communication skills. Most of the students fail to attain enough credits to pass in the subjects related to computer programming. So, JITS feels that the minimum computer knowledge is essential to pursue any technical program like B.Tech/ B.E.; and this knowledge should be free for underprivileged students especially the government school students who cannot afford quality education. With this motive, the program has started a platform for the   students to learn out of the classroom besides teaching good computer knowledge to the students of local government school students..

1. **The practice**

The interested and self-motivated students from the different academic streams of the institute are selected for this program based on their academic performance, communication skills and soft skills. The HOD of the department concerned formed a team of five members for this program. Every year 10 such teams are formed and assigned to 10 different government schools in the nearby villages. The JITSTECH-SEVA teams visit the allotted schools every weekend- on Saturdays- and teach the basics of computers to secondary school students. In the beginning days of the program, the team members used to visit the selected school on their own bicycles. The cost of such transportation was met by the Institute for about a year or so. As the road condition was precarious, the members of the teams were advised to travel by RTC vehicles to reach the schools. As a matter of fact, the team members are given instructions about the way how to behave with students.

The students of the selected schools are taught computer basics like MICROSOFT EXCEL and MS WORD, POWER POINT and MICROSOFT PAINT, TYPING SKILS with hands-on experience so that the students get opportunity to practice under the guidance of JITS TECH SEVA team members. The school children are explained about the hardware and software functions of the computer clearly with power point presentations. Soon after the explanation students are given a demonstration on the steps to be followed to work on computer - opening a new folder, saving a file, working on Microsoft like the usage of different tools.

The SEVA teams have not forgotten their social responsibility of propagating the need for Women Empowerment and the role of various micro-finance programs.

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The poor and underprivileged students are also provided with notepads, relevant text books, enough stationery free of cost; to work on the exercises and to make notes. Periodically, to test knowledge of the students, slip tests are conducted for which papers are set by the engaged faculty. The model of the test papers is designed in such a way that in-depth interest and knowledge of the trainees is evaluated. The students who could not meet the minimum scores are given remedial classes so as to pull them to the average standard. To encourage the TECHSEVA teams in particular and non-TECHSEVA students of the institute for making them to participate in such activities in general, the JITS arranged some prizes to the best team based on the school students' performance.

The TECHSEVA teams are provided with the required equipment like, laptops, mini-projectors and stationery to carry out their assigned duties.

1. **Evidence of success:**

This SEVA program benefitted the JITSTECH SEVA Team members on one hand and the school children on the other hand. Members of JITSTECH SEVA team gained the experience of teaching, and acquired good interpersonal relationships, and effective articulation of the subject contents. This exposure has enabled the team members to perform well during the campus interviews especially in academic/technical interview-round and answer accurately computer related questions. Not only getting a certificate of participation in such programmes, but they also got placed in software and app developing companies like WIPRO, HCL, GENPACK, INFOSYS, TCS, TECH MAHINDRA, BYJUS. A few of them are working as content writers while some of them were able to secure jobs in government sector. On the other hand, the trainees of the government schools, i.e. the target group members took the contents to their heart to pursue their higher education in streams like computer science, other engineering subjects of their inclination and desire. Further, a large number of such trainees are competing to get enrolment in this Institution because of their convinced self.

S.NO.	NAME OF TECHSAVA VOLUNTEER
1	MANIDEEP ANCHOORI
2	ROHITH KUMAR SINGIRIKONDA
3	CH.AKASH
4	RAVALI BANDI
5	JAGADISHWAR DASARI

Problems encountered

The implementation of JITSTECH-SEVA program by the Institute is not free from certain practical problems. Besides, the transportation issue explained earlier, many other problems arose, such as:

1. Selection of Schools and getting willing cooperation of the administration of the schools concerned. In this connection the SEVA groups mustered the cooperation of the local leaders and public organizations like Panchayath etc.

1. Lack of required equipment such as computer systems, soft ware and even the stationery. This problem is to some extent met by the JITS which gave one lap top to each Team with adequate peripherals.

1. Attendance of the trainees at the Schools in the initial stage was poor. However, this problem is gradually solved with the help of the Teachers.

1. Keeping the school trainees on practice was a herculean task as many of the schools did not have hardware as well as software. However, over a period of three/four months the problem was met with the buying of three/four computer systems by the Principal/Head Master with the funds mustered from internal sources and also by collection of donations from the participating students.

1. At the Institute level also some of our student community was reluctant to come forward and take part in the programme. It was the faculty of JITS, who motivated the teams by visiting the schools and demonstrating the methods of teaching computers.

File Description	Document
Best practices in the Institutional web site	[View Document](#)

7.3 Institutional Distinctiveness

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

ABHIGNATHA: A COCURRICULAR PPROGEM TO IGNITE THE BUDDING ENGINEERS.

Faculty and Students Involvement in various Innovation and Research, being a research and innovation driven institute, JITS encourages students closer to research and innovation practices.

In this course, students of JITS are given a studies trouble on which they work for one to two semesters with the opportunity of a guide, patent, design or generation. The pupil is needed to present the body of work in a goal record and demonstration thereby enabling their essential wondering talents in trouble fixing. Innovations must be infused as a habit in the mankind. It should simplify and solve the problems easily and create thrust for the new problem identification and solution.

As a part of Innovation and Research, JITS introduced IEEE chapter in the Organisation. IEEE is the world's largest technical professional organisation dedicated to advancing technology for the benefit of

humanity. Jayamukhi IEEE student Branch was established on 2nd December 2005.IEEE Abhignatha is the prestigious event of the IEEE Jayamukhi Student Chapter, which has been held since 2005. This is the first engineering college in Warangal to establish abhignatha.

Over the past 15 years of volunteerism JITS IEEE student branch twice got vibrant student branch award. As a part of IEEE JITS organises a National Level Technical fest named as "Abhignatha". This programme makes student a competent personality.

The objective of IEEE Abhignatha is not only to provide students with managerial skills and communication skills, but also to motivate them in areas such as Computer Science and Engineering, Electrical Engineering, Electronics and Communication Engineering, Civil Engineering, and Mechanical Engineering. There is an increasing trend around the world for engineering to tackle the issues of human development. The IEEE Abhignatha program draws together a diverse community of engineers with the aim of identifying technologically suitable, environmentally sustainable, socially acceptable and economically viable solutions.

The program helps the students synchronizing the institution to create the new ways to enhance the students' life equality, coordinating with groups, to encourage student participation in the activities that promote their personal growth and development and Guidance by internal and external resource persons for students choosing research as a career.

We are pleased that year after year, students from various institutions participate in various activities organized by Abhignatha. The students display a really positive attitude towards developing their skills and enhancing their employability skills in order to be competitive in the work place. As part of its mission, the fest aims to stimulate and foster engineers to work together on innovative and technology-based solutions to address humanity's most pressing challenges.

Abhignatha is the collection of different events such as technical events and cultural events. Technical events conducted under this event are paper presentation, technical quiz, aptitude tests, Mock interview, group discussion are useful to explore the knowledge of technical skills and to compete in the workplace.

Cultural events which are conducted under this event are photo art, rangoli, painting, Singing competition, dance etc. which are useful to explore the extracurricular activities.

Outcomes:

The participants of the program are able to

- Build the practical knowledge of the students which can be applied in the industrial world.
- Apply the basic knowledge of Mathematics, Sciences, Electrical and Electronics Engineering to analyse and solve the complex problems in Electrical, electronics and Allied interdisciplinary area.
- Design, Develop and implement electrical and electronics related interdisciplinary projects to meet the demands of production and to provide solution to the current real time problems.
- Develop the student culture that encourages the exercise of leadership respect for diversity,

traditions of the college and responsibility for personal actions.
- Bridge the gap between the students and administration for the management of student's academics and personal issues.
- Manage performance or learn how to get better.
- Evaluate whether something works or not.

- Have a hard-linked schedule.
- Improve the technical skills to compete with a competitive world.
- Explore extracurricular activities.
- Increase problem-solving skills of students and also increasing analytical thinking.

File Description	Document
Any other relevant information	View Document
Appropriate web in the Institutional website	View Document

5. CONCLUSION

Additional Information :

The College is permanently affiliated to Jawaharlal Nehru Technological University (JNTUH) Hyderabad. To fulfill its objectives and to provide excellent opportunities to the students, well qualified and experienced faculty were appointed. All the laboratories are well equipped with latest and modern equipment.

Built-up Area:

The major physical resource of the institute is the built-up area of 22,749 square meters exclusively meant for the academic purpose, which is spread over in three Blocks and one shed for the workshops. Barrier free passage for physically challenged persons is provided.

Approvals & Accreditations:

- This institution is approved by AICTE, New Delhi.
- This institution has autonomous status granted by UGC from the Academic Year 2015-16
- This institution is permanently affiliated by JNTUH
- The UGC has also included the institution under section 2(f) and 12(B) of UGC Act of 1956.
- The B.Tech courses in ECE, EEE,CSE and IT are accredited by NBA during the year 2009.
- The B.Tech courses in ECE & EEE are reaccredited by NBA during the year 2017 to 2020
- The B.Tech courses in ECE & EEE has got extension approval for one year

Infrastructure:

Jayamukhi Institute of Technological Sciences ,Narsampethas all the required laboratories with state-of-the-art facilities, class rooms, seminar halls and students / faculty amenities, central library as well as departmental seminar libraries, examination branch and administrative area as per norms of AICTE and affiliating university. Facilities have been established for indoor and outdoor sports for girls and boys. Well maintained canteen facility is provided. forty (40) own buses are run from all the corners of Warangal City and for the benefit of students and employees in addition to the frequent well connected public and private transport system.

Concluding Remarks :

JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES   is Affiliated to JNTUH and Approved by AICTE. UGC has granted autonomous Status in the year 2015 for the period of 6 years 2015-16 to 2020-21.The institute also recognized under 2(f) & 12(B) of UGC. NBA Accreditation 2009 to 2012 and 2017-18 to 2020-21 of all eligible programs

The Institute aims in pursuit of academic excellence towards industry as well as societal needs, it offers B.Tech, M.Tech and MBA programs. The institute   contributed for innovations in engineering and technology through research and addressed various issues of the industry through scientific research. There will be subsequent improvement in recruiting the faculty members with Ph.D. Dedicated Entrepreneurship Development Cell(EDC) sponsored by AICTE functioning actively promoting the students towards innovations, entrepreneur etc. Institute Innovation Cell(IIC) cell of the institute bringing new ideas which will

solve the social relevant problems with technical solutions. Exclusive Training and Placement cell providing career guidance counseling, training on coding techniques to grab the placement opportunities in MNCs and other private and public sectors. Faculty members of the institute are encourage to take active contribution in research and also publish papers in reputed journals national and international level, patents published by senior faculty members. Memorandum of Understanding between private and public industries and institutes will help in all round development of the students and faculty members of the Institute. The participatory and decentralized system of governance has instilled a sense of belongingness to the institution in the minds of all stakeholders. This institute vision and mission is to contribute for the development of this region in particular and the nation in general.