Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**JYOTHISHMATHI INSTITUTE OF TECHNOLOGY AND SCIENCE**
Name of the head of the Institution	**Dr. K.S.RAO**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**918106342244**
Mobile no.	**8106304455**
Registered Email	**principal@jits.ac.in**
Alternate Email	**secretary@jits.ac.in**
Address	**Nustulapur, Karimnagar - 505481**
City/Town	**Karimnagar**
State/UT	**Telangana**
Pincode	**505481**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr. LAXMI RAJASHEKHAR**
Phone no/Alternate Phone no.	**+919848906527**
Mobile no.	**9848906527**
Registered Email	**iqac@jits.ac.in**
Alternate Email	**hod.mba@jits.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://jits.ac.in/about-iqac/

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://jits.ac.in/academic-calendar/

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.09**	**2021**	**31-Mar-2021**	**30-Mar-2026**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**06-Nov-2017**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
One day Work shop on E-Administration	**28-Aug-2019** **1**	**25**

Conducted a workshop on Out Come Based Education	01-Jul-2019 6	83
Training the faculty on usage of various online tools for teaching	14-Mar-2020 1	106
Conduction of Webinar series on recent trends in various domains	06-May-2020 5	714
Guest lecture on Professional ethics	06-Nov-2019 1	160
Seminar on Emotional Intelligence	19-Dec-2019 2	320
Workshop on Teaching and Learning using moodle	09-Nov-2019 1	110
Entrepreneurship awareness camp	29-Jan-2020 3	92
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Jyothishmathi Institute of Technilogy & Science/ECE/ Dr. N Umapathi & Dr. S. Ashok kumar	JNTUH, TEQIPIII	UGC	2019 365	248468
Jyothishmathi Institute of Technilogy & Science/CSE/ Dr. R. Jegadeesan	Consultancy Projects	Amilionn Technologies Pvt Ltd, Hyderabad	2019 178	100000
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	**3**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**

Upload the minutes of meeting and action taken report	[View File]()
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

12. Significant contributions made by IQAC during the current year(maximum five bullets)

•Conduction of One week FDP on Outcome Based Education •Conduction of Student Technical Skill Enhancement Program at Department level. •Enrolment of Students and Faculty in Various Professional bodies •Training the faculty about on the usage of various online tools for teaching •Conduction of Webinar series on recent trends in various domains

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
Planned to conduct a Seminar on Emotional Intelligence	Organised a seminar on Emotional intelligence on 19-12-2019
Conduction of an Entrepreneurship Development awareness	Organised Entrepreneurship Development awareness during 29/01/2020 to 31/01/2020
Planned for the conduction of a Faculty Development on Moocs	Faculty development programme was conducted on 14-02-2020
Training the faculty on usage of various online tools for teaching	Faculty Development programme conducted on 14-03-2020
Conduction of Webinar series on recent trends in various domains	During 06-05-2020 to 20-05-2020 the webinar series on recent trends was conducted in various domains
Motivated the faculty to undergo the Swayam NPTEL Programmes	21 Faculty have got NPTEL certification for the course on "Accreditation and Outcome Based Learning" and two other faculty have certified in "Contour Integration in the Complex Plane" "Gender Justice and workplace
To Organise Project Expo for the students	Project Expo2019 was conducted on 16/11/2019
Conduction of programmes on professional ethics/Entrepreneurial skill development/Intellectual property rights/Women empowerment/Environmental protection/ extension and outreach activities etc.,	Organised an entrepreneurship awareness programme during 29/01/2020 to 31/01/2020
Conduction of programmes on professional ethics/Entrepreneurial skill development/Intellectual property	Organised the seminar on professional ethics on 06-11-2019

rights/Women empowerment/Environmental protection/ extension and outreach activities etc.,	
[View File](#)	

14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Governing Body	**06-Nov-2021**

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**Yes**

Date of Visit	**26-Mar-2021**

16. Whether institutional data submitted to AISHE:	**Yes**

Year of Submission	**2020**

Date of Submission	**10-Mar-2020**

17. Does the Institution have Management Information System ?	**Yes**

If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**IQAC ensured the quality of egovernance in academics and administration for the academic year 2019 – 2020 by implementing effective quality improvement strategies with needed supports, facilities and the approvals from Principal and concerned bodies. The impact or outcomes of the implementation are well analyzed to take effective measures to overcome it. The egovernance is implemented in the following areas. Planning and Development: •Teaching plan •Syllabus coverage •Teaching schedule ,assignments •Extra class •Faculty achievements •Uploading of teaching, learning resources •The curriculum planning and implementation is done through ECAP. It includes teaching plan, teaching schedule, assignments, uploading of teaching and learning resources, etc., gaps are identified with online feedbacks from the stakeholders and the strategic plans are implemented accordingly.**

Administration: •Time tables, class work adjustments, circulars from the Principal, HOD's are circulated amongst the concerned faculty for effective implantation of curriculum aspects. •Display of Timetable, Class work adjustment and Attendance posting through egovernance for effective functioning of the college. •The committees constituted could communicate well through the egovernance for reviews and better action plans. The faculty could communicate them to make better decisions. Finance and Accounts: •Accounts maintenance through Ecap for perfection and accuracy. Student Admission and Support: •The enquiry forms are created to the persons seeking admissions in the institution user friendly and the information is made available to them through effective emails and SMS. •The resource of the self learning facility is provided to students through egovernance with the help of Google class by the Faculty. Examination: •The students could know their exam fee date schedule and fee details through egovernance.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

The institution has a well structured system of planning and successful execution of the curriculum. The institution being affiliated to JNTUH, strictly adheres to the curriculum prescribed by the university. To ensure effective delivery, the College Academic Committee of the institution formulates an action plan for timely implementation of the university curriculum. The Department Academic Committee headed by respective HOD's in its meeting discuss on strategies to be implemented in teaching learning process. Conduction of workshops, guest lectures, and certification courses are planned and submitted to IQAC. The same is submitted before the College Academic Committee for approval. IQAC involves in academic planning and continuously monitors the curriculum delivery. To achieve the deserved outcomes, right blend of curriculum, pedagogy and assessment are made at various levels and recommendations are put before College Academic Committee. The College Academic Committee analyses and recommends different measures like Bridge courses, add on courses, Skill Enhancement Programme and submits for advocacy to the governing body. The curriculum delivery is carried out using traditional teaching, collaborative teaching, self-learning, and supportive learning methods. Slow learners are provided with remedial classes. Advanced learners are motivated towards innovation and research. Students are exposed to modern

teaching methods by using ICT and Smart classes. Various club activities are conducted by all the departments to mould the students in corresponding fields. Internal and External exams for theory and practical subjects are conducted as per schedule from the affiliated University. To improve the performance of the students, in addition to the JNTUH scheduled Mid Examination and Final Examinations, the institution conducts three class tests and one grand test. For laboratory courses continuous assessment is done throughout the session by evaluating the experiments performed by each student along with viva voce. Tutorial classes are conducted as per university curriculum. Each faculty prepares course outcomes, lesson plan, assignment questions and question bank of their teaching subject before the commencement of the semester. The curriculum delivery is done as per the lesson plan. HOD and Principal monitors the syllabus coverage of the faculty ensuring to follow the lesson plan strictly every fortnight. IQAC involves and monitors the quality of teaching and learning process through feedback system from the students and other stake holders in every subject twice in a semester.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
REVIT Architecture	Nil	20/01/2020	30	Employabil ity	• 3D Modeling • Creating and Modifying Elements and Families • Visualizing Designs with High Quality Renders • Documenting Designs
3Ds MAX	Nil	18/05/2020	36	Employabil ity	• Building 3D structural designs like Columns, walls and area of the rooms
Basics of AUTO-CAD	Nil	18/05/2020	34	Employabil ity	2D Planning
Advancements and applications of Power electronics	Nil	20/12/2019	40	Employbility	Students can design and analyze the DC-AC AC-DC converter circuits
Introduction to MATLAB Industrial Automation with SCADA	Nil	23/05/2020	30	Employabil ity	Analyze programs in MATLAB and simulate electrical circuits and Understand

					Electrical Industry automation process3
Energy Production, Distribution Safety	Nil	23/05/2020	30	Employability	Students developed positive and negative aspects of solar energy in relation to natural and human aspects of the environment
Catia	Nil	05/08/2019	30	Employability	• 3D Modeling • Sheet metal design • Template based design • Documenting Designs
Digital Design Through HDL	Nil	18/05/2020	35	Employability	• Design Analyze the various Digital Circuits using HDL • Design the Layout of simple logic circuits
Signals and Systems Using MATLAB	Nil	19/05/2020	32	Employability	• Understand the features of MATLAB • Implement various algorithms connected with the Signals and Systems using MATLAB.
Basics of Analog and Digital Electronics	Nil	25/05/2020	33	Employability	• Understand the basics of Semiconductor Devices, its operation. • Understand

Course		Date		Category	Outcome
					the concepts of digital systems, Number systems. • Understand the concepts of probability and stochastic process.
CCNA RS: Introduction to Networks	Nil	11/05/2020	34	Employability	Design an IP address scheme to provide network connectivity for a small to medium size business network
Basic R Programming	Nil	13/05/2020	34	Employability	R – Matrices, R – Arrays, R – Factors, R – Data Frames, R – Strings, R – Vectors, R – Lists,
Basic JAVA Programming	Nil	13/05/2020	34	Employability	Students will be able to learn concepts of Java Programming in advance
Quantitative Aptitude	Nil	27/07/2019	30	Employability/Enterpreneurship	Improve the logical and analytical skills to test the problem-solving, analytical, and number crunching capabilities of candidates appearing for competitive

					exams.
Communication Skills	Nil	19/09/2019	40	Employability/Entrepreneurship	Different types of communication skills students can learn and practice to help become an effective communicator.
Soft skills	Nil	23/12/2019	45	Employability/Entrepreneurship	Problem Solving. Good problem solvers are able to analyze challenges and work toward solutions, either alone or in a group
Life Skills	Nil	03/03/2020	30	Employability/Entrepreneurship	Life skills take practice, development and an understanding that there is always room for improvement..
Project Management	Nil	06/03/2020	30	Employability/Entrepreneurship	Project management skills refer to the core abilities that are necessary to successfully bring a project from start to finish. The students must be organized, knowledgeable and able to multitask. They must also be a good communi

					cator, strong leader a
Stress Management	Nil	26/08/2019	30	Employability/Enterpreneurship	Stress management is an acquired skill, students can learn and use to make their life a bit less nerve-wracking and more enjoyable
Entrepreneurship Management	Nil	21/10/2019	30	Employability/Enterpreneurship	• Business management skills. • Teamwork and leadership skills. • Communication and listening. • Customer service skills. • Financial skills. • Analytical and problem-solving skills. • Critical thinking skills. • Strategic thinking and planning skill

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	MECHANCIAL ENGINEERING	15/07/2019
BTech	COMPUTER SCIENCE ENGINEERING	15/07/2019
BTech	ELECTRONICS AND ELECTRICAL ENGINEERING	15/07/2019
BTech	CIVIL ENGINEERING	15/07/2019
[View File](#)		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Civil Engineering	13/06/2016
BTech	Electrical and Electronics Engineering	13/06/2016
BTech	Mechanical Engineering	13/06/2016
BTech	Electronics and Communication Engineering	13/06/2016
BTech	Computer Science and Engineering	13/06/2016
Mtech	VLSI	28/08/2017
Mtech	CSE	28/08/2017
MBA	MBA	28/08/2017

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	891	Nil

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Quantitative Aptitude	22/07/2019	885
Communication Skills	09/09/2019	885
Soft Skills	23/12/2019	885
Life Skills	03/02/2020	885
Project Management	06/03/2020	135
Stress Management	26/08/2019	142
Entrepreneurship Management	21/10/2019	123
Basic Skill Enhancement Program	10/02/2020	514
Utilization of Auto-Desk Inventor	18/05/2020	79
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Computer Science and Engineering	60
BTech	Electronics and Communication Engineering	70
BTech	CIVIL	55
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.	
Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained

The College has several formal mechanisms to obtain feedback from different stakeholders namely, current students, alumni, teachers, parents and employers. Feedback forms structured questionnaires consisting closed ended multiple choice few open ended questions were asked to obtain feedback. The College has designed a Student Feedback Form to be duly filled by the students as an assessment of the teaching program and College infrastructure. Feedback received from students is evaluated by individual teachers and department committees and used to leverage pedagogy and curriculum enrichment. Feedback on teachers: Principal appreciated teachers having positive impressive feedback and motivated others teachers to improve upon their weaknesses if any noticed shared by the students through feedback. Feedback from the parents :Different departments organize interactive sessions with the Parents. These practices have been appreciated by the parents and created a bond between the parents and the institution. Employers' feedback: Placement and Career Guidance cell of the college takes manual feedback from the employers who visit college for providing campus placement. The Alumni Meet held every year, the feedback related to the curriculum and the content is collected from Alumni of various both in UG and PG streams. The Feedback from Alumni serves to improve in the prospects of career building and curriculum design. Analysis of Feedback: Data obtained in the feedback process was analyzed with percentage analysis. Bar diagrams pie charts were used to present interpretation and findings of the feedback. Action taken: Student Feedback: A. feedback is conveyed to the teachers by the Principal to improve their performance. B. Syllabus related feedback is reviewed and corrective measures are taken. Feedback from Teachers: on syllabus is reviewed and informed to the University authorities by teachers during syllabus revision meetings, workshops and so on. Employers' Feedback: Placement and Career Guidance Cell designs training, Grooming sessions and Soft Skill development programmes for the students on the basis of feedback received from employers. Alumni Feedback: is utilized to enhance their collaboration and cooperation in various activities of the college. Further steps are taken to strengthen Alumni Association through innovative programme, sponsorship and so on. Parents Feedback: is used by the departments to understand needs of the students and improve their results.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	MECHANICAL(Lateral Entry)	12	18	18
BTech	MECHANICAL	60	7	7

BTech	EEE(Lateral Entry)	24	88	88
BTech	EEE	120	19	19
BTech	CIVIL(Lateral Entry)	12	23	23
BTech	CIVIL	60	15	15
BTech	CSE (Lateral Entry)	36	17	17
BTech	CSE	180	175	175
BTech	ECE(Lateral Entry)	36	31	31
BTech	ECE	180	56	56

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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	1664	81	136	18	154

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
154	145	18	14	9	7

View File of ICT Tools and resources

View File of E-resources and techniques used

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Mentoring programs are often considered because of the positive effect they can have on those involved. Mentors help students to get a multitude of benefits like improved self-confidence, an increased availability of advice and relevant information, an opportunity for encouraged reflection on practice, personal support, an awareness of academic benefits, access to a confidant for concerns or ideas , firmer career plans, and the increased probability towards success. Mentors address career development, networking, professional development, and personal identity characteristics. Mentees attention can be directed toward career development by mentors offering guidance on the development of writing, research, and analytical skills. Working on research collectively and then co-authoring publications can assist a student in learning the trials and tribulations of academic research. The students are mentored and counselled regularly. One Mentor is assigned to a group of 15 students. Mentors maintain a student's counselling record which contains students personal, academic details and every meeting details of mentor – mentee. It also contains the details of parents meetings and counselling sessions with the parents. Along with academics mentors enquire about students personal problems like their health issues, relationship issues with family and friends etc. and guide them to build self confidence and maintain good relations. In addition to the mentor, a professional counsellor is available in the institution where students are advised to visit them periodically to get help.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1745	154	1:11

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
154	154	0	32	16

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr R Jegadeesan	Professor	Reviewer on International Journal of Advanced Engineering and Technology
2019	Dr R Jegadeesan	Professor	Best Academic Familiar Male Faculty 2019
2020	Dr R Jegadeesan	Professor	National Eminent Academic Leader Award 2020
2019	Dr R Jegadeesan	Professor	Outstanding Scientist Award 2020
2019	Dr N Umapathi	Professor	Reviewer on ISCAIE2019
2020	Dr.G.Sridhar	Associate Professor	Best Teaching Faculty
[View File]()			

2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
Mtech	1D	I-I	25/01/2020	21/03/2020
BTech	1A	I-II	26/11/2020	21/01/2021
BTech	1A	I-I	06/01/2020	03/03/2020
BTech	1A	IV-I	19/12/2019	08/02/2020
BTech	1A	III-I	13/12/2019	15/02/2020
BTech	1A	II-I	14/12/2019	16/02/2020

BTech	1A	II-II	03/12/2020	25/01/2021
BTech	1A	III-II	02/12/2020	25/01/2021
BTech	1A	IV-II	29/09/2020	01/11/2020
Mtech	1D	II-I	22/12/2020	04/01/2021
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The institution follows rules and regulations incorporated by JNTUH in the process of internal evaluation and adhere to the reforms communicated from time to time. The potential ability of the faculty and students are empowered by internal assessment. The objectives of the internal assessment test include exposure on continuous evaluation, inculcate interest on practice through learning methodologies and assert students to perform consistently. The academic calendar communicated by JNTUH is incorporated in the institutional academic calendar and is disseminated to all the students at the beginning of the semester. Students are made aware of the evaluation process in orientation programme and the schedule is displayed in the college and department notice board. The examination branch will coordinate with all the activities related to the conduction of internal assessment tests Mid-I and Mid-II as per the JNTUH schedule. Question papers for internal assessment are prepared as per Bloom's Taxonomy levels. Two sets of question paper along with answer keys are collected for each course. The evaluated answer scripts are distributed to students by the faculty as per the schedule, and the solutions for questions are discussed in the classroom. In addition to MID Examinations, the institution conducts three class tests and a grand test in every semester. An assignment is a type of reflective learning activity in which the students' level of understanding is conveyed to the faculty. The assignments are focused on developing writing, interpersonal and collaborative skills of the students. Students are given with an assignment after completion of every unit. Continuous evaluation is carried out in laboratories to assess the performance of the student in learning and executing various experiments. Keeping in view the current scenario it is important that right blend of internal and external assessment reforms are practiced to improve the students' practical knowledge.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The institution strictly adheres to the academic calendar of the affiliating university and prepares institutional academic calendar and disseminates the same to the students and faculty at the beginning of the semester. The college academic calendar comprises of various activities to be organized for students like class tests, grand test, etc along with the schedule communicated by the affiliating university. In accordance with the institutional academic calendar all the faculty are instructed to prepare teaching lesson plan incorporating course outcomes of every subject. The implementation of teaching plan is monitored by the concerned head of the department. The IQAC periodically reviews and suggests corrective measures accordingly. Time table is prepared for theory and laboratories and is communicated to students and staff and also displayed on Department and institution notice boards. Regular conduction of class work and laboratory are closely monitored by head of the department and the Principal. The syllabus completion is periodically reviewed by Department Academic Committee, College Academic Committee and corrective measures are implemented to verify that the entire syllabus is completed in the stipulated period as per the affiliating university guidelines.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

https://jits.ac.in/cse-pos-psos-cos/

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
05	BTech	CSE	152	146	96
04	BTech	ECE	152	139	91
03	BTech	MECH	50	44	88
02	BTech	EEE	74	70	95
01	BTech	CIVIL	55	52	95

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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

https://jits.ac.in/student-satisfaction-survey-2019-2020/

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Projects sponsored by the University	365	TEQIP-III	2.48	2.48
Industry sponsored Projects	180	Amilionn Technologies Pvt Ltd, Hyderabad	1	1

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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Industrial Automation using PLC, SCADA, Drives	ELECTRICAL AND ELECTRONICS ENGINEERING	28/08/2019
Internet of Things	ELECTRONICS AND COMMUNICATION ENGINEERING	30/08/2019
A four day Workshop on ANSYS	MECHANICAL ENGINEERING	18/09/2019
Workshop on Planning Analysis and Design Structures	CIVIL ENGINEERING	26/09/2019

Cloud Literacy	COMPUTER SCIENCE AND ENGINEERING	29/10/2019
Power seminar on Data Analytics by ICT Academy	COMPUTER SCIENCE AND ENGINEERING	01/02/2020
Python101 Training Programme by TASK	COMPUTER SCIENCE AND ENGINEERING	06/01/2020
Artificial Intellignece and Machine learning	COMPUTER SCIENCE AND ENGINEERING	07/01/2020
Cloud computing and virtualization concepts	COMPUTER SCIENCE AND ENGINEERING	08/01/2020
R Programming Language	COMPUTER SCIENCE AND ENGINEERING	09/01/2020
A Seminar on Computer Aided Design for Mechanical Engineering	MECHANICAL ENGINEERING	09/01/2020
Seminar on Computer Aided Design for Civil Engg.	CIVIL ENGINEERING	09/01/2020
Workshop on AutoCAD	CIVIL ENGINEERING	06/03/2020

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Nil	Nil	Nil	Nill	Nil

No file uploaded.

3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
Nil	Nil	Nil	Nil	Nil	Nill

No file uploaded.

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
		1

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Electrical and Electronics Engineering	1

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	MECHANICAL ENGINEERING	2	5.92
International	ELECTRONICS AND COMMUNICATION ENGINEERING	1	0.44

International	ELECTRICAL AND ELECTRONICS ENGINEERING	1	0.53
International	COMPUTER SCIENCE AND ENGINEERING	7	0.45
National	MECHANICAL ENGINEERING	2	1.63

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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
MECHANICAL ENGINEERING	1
ELECTRONICS AND COMMUNICATION ENGINEERING	2
COMPUTER SCIENCE AND ENGINEERING	1
ELECTRICAL AND ELECTRONICS ENGINEERING	1

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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Improved migration performance in virtualised cloud data centres	Dr. R. Jegadeesan	International Journal of Scientific and Technology Research	2020	0	JYOTHISH MATHI INSTITUTE OF TECHNOLOGY AND SCIENCE	0
A secure translation authentication scheme using block chain based on IoT	Dr. R. Jegadeesan	International Journal of Scientific and Technology Research	2020	2	JYOTHISH MATHI INSTITUTE OF TECHNOLOGY AND SCIENCE	0
An implementation of detecting password pattern in dictionary attack	Dr. R. Jegadeesan	International Journal of Advanced Science and Technology	2019	0	JYOTHISH MATHI INSTITUTE OF TECHNOLOGY AND SCIENCE	0
A Novel	Viswapra		2020	1	JYOTHISH	0

integration of solar fed dynamic voltage restorer for compensating sag and swell voltage in Distribution system using enhanced space vector pulse width modulation(ESV PWM)	kash Babu	Universal Journal of Electrical and Electronic Engineering			MATHI INSTITUTE OF TECHNOLOGY AND SCIENCE	
A Novel integration of solar fed dynamic voltage restorer for compensating sag and swell voltage in Distribution system using enhanced space vector pulse width modulation(ESV PWM)	Dr.M.Manikandan	Universal Journal of Electrical and Electronic Engineering	2020	1	JYOTHISH MATHI INSTITUTE OF TECHNOLOGY AND SCIENCE	0
Predictive correlations for Nox and smoke emission of DI CI engine fuelled with diesel-boadiesel-higher alcohol blends-respone	Dr. G. Lakshmi Narayana Rao	ELSEVIER-Fuel11	2020	11	JYOTHISH MATHI INSTITUTE OF TECHNOLOGY AND SCIENCE	15

surface me thodology approach						
Effect of design parameters on perfomance and emissions of a CI engine operated with diesel- bi odiesel- higher alcohol blends	Dr. G. Lakshmi Narayana Rao	ELSEVIER- Renewable Energy	2020	12	JYOTHISH MATHI INSTITUTE OF TECHNOLOGY AND SCIENCE	13
Design and implem entation of low power 16x16 multiplier using Dadda Algorithm and optimised full adder	Dr. N. Umapathi	Internat ional Journal of Advanced Science and Technology	2019	0	JYOTHISH MATHI INSTITUTE OF TECHNOLOGY AND SCIENCE	0
Designing a trivial informatio n relaying scheme for assuring safety in mobile cloud computing environmen t	Dr. S. Prabaharan	Wireless Networks	2019	2	JYOTHISH MATHI INSTITUTE OF TECHNOLOGY AND SCIENCE	0
A compar ative study of credit card fraud detection using machine learning for unted kingdom	Dr. M. Sujatha	Internat ional journal of comptuer Science and inform ation security	2019	0	JYOTHISH MATHI INSTITUTE OF TECHNOLOGY AND SCIENCE	0

dataset						

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
A comparative study of credit card fraud detection using machine learning for united kingdom dataset	Dr. M. Sujatha	International journal of comptuer Science and information security	2019	14	0	JYOTHISH MATHI INSTITUTE OF TECHNOLOGY AND SCIENCE
Designing a trivial information relaying scheme for assuring safety in mobile cloud computing environment	Dr. S. Prabaharan	Wireless Networks	2019	89	2	JYOTHISH MATHI INSTITUTE OF TECHNOLOGY AND SCIENCE
Design and implementation of low power 16x16 multiplier using Dadda Algorithm and optimised full adder	Dr. N. Umapathi	International Journal of Advanced Science and Technology	2019	15	0	JYOTHISH MATHI INSTITUTE OF TECHNOLOGY AND SCIENCE
Improved migration performance in virtualised cloud data centres	Dr. R. Jegadeesan	International Journal of Scientific and Technology Research	2020	18	0	JYOTHISH MATHI INSTITUTE OF TECHNOLOGY AND SCIENCE
A secure translatio	Dr. R. Jegadeesan	International	2020	18	2	JYOTHISH MATHI

n authentication scheme using block chain based on IoT		Journal of Scientific and Technology Research				INSTITUTE OF TECHNOLOGY AND SCIENCE
An implementation of detecting password pattern in dictionary attack	Dr. R. Jegadeesan	International Journal of Advanced Science and Technology	2019	15	0	JYOTHISH MATHI INSTITUTE OF TECHNOLOGY AND SCIENCE
A Novel integration of solar fed dynamic voltage restorer for compensating sag and swell voltage in Distribution system using enhanced space vector pulse width modulation(ESV PWM)	Dr.M.Manikandan Viswaprakash Babu	Universal Journal of Electrical and Electronic Engineering	2020	2	1	JYOTHISH MATHI INSTITUTE OF TECHNOLOGY AND SCIENCE
Predictive correlations for Nox and smoke emission of DI CI engine ffuelled with diesel-biodiesel -higher alcohol blends- respone surface methodology approach	Dr. G. Lakshmi Narayana Rao	ELSEVIER- Fuel	2020	213	15	JYOTHISH MATHI INSTITUTE OF TECHNOLOGY AND SCIENCE

Effect of design parameters on performance and emissions of a CI engine operated with diesel- biodiesel- higher alcohol blends	Dr. G. Lakshmi Narayana Rao	ELSEVIER- Renewable Energy	2020	191	13	JYOTHISH MATHI INSTITUTE OF TECHNOLOGY AND SCIENCE
Black Hole Attack in MANETS	Venkateswaran N	International journal of computer Science and information security	2019	14	0	JYOTHISH MATHI INSTITUTE OF TECHNOLOGY AND SCIENCE
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Resource persons	2	2	6	1
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3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Awareness on water conservation 24.01.2020	NSS-JYOTHISHMATHI INSTITUTE OF TECHNOLOGY AND SCIENCE	6	82
Blood donation camp on 11.12.2019	NSS-JYOTHISHMATHI INSTITUTE OF TECHNOLOGY AND SCIENCE	6	90
Swachh Bharat on 27.11.2019	NSS-JYOTHISHMATHI INSTITUTE OF TECHNOLOGY AND SCIENCE	12	175
Indian Constitution Day on 26.11.2019	NSS-JYOTHISHMATHI INSTITUTE OF TECHNOLOGY AND SCIENCE	5	150

Anti plastic awareness programme on 09.11.2019	Ramakrishna colony surpanch	7	200
Awareness on Cleanliness cum rally 20.09.2019	NSS-JYOTHISHMATHI INSTITUTE OF TECHNOLOGY AND SCIENCE	8	110
Shramdan Tree Plantation on 13.09.2019	JITS Brigade	11	158
Fit India on the Eve of sports Day on 29.08.2019	NSS-JYOTHISHMATHI INSTITUTE OF TECHNOLOGY AND SCIENCE	14	234
Awareness programme on Environmental sustainibility on 14.08.2019	Ramakrishna colony surpanch	5	150
Legal cell awareness programme on 17.07.2019	Legal cell Karimnagar	50	250
[View File](#)			

3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Awareness on water conservation 24.01.2020	Appreciation Letter	Grama Panchayat, Mulkanoor Village	82
Corona Virus awareness program cum rally on 04.03.2020	Appreciation Letter	Grama Panchayat, Mulkanoor Village	72
Corona Virus awareness program cum rally on 13.03.2020	Appreciation Letter	Grama Panchayat, kothapally	72
Awareness on Cleanliness cum rally 20.09.2019	Appreciation Letter	Grama Panchayat, kothapally	110
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
	NSS-JYOTHISHMATHI INSTITUTE OF	International Yoga Day 21.06.2020	10	560

	TECHNOLOGY AND SCIENCE			
	Kothapally GramPanchayat	Corona Virus awareness program cum rally on 13.03.2020	6	72
	RTA, Karimnagar,Government of Telangana	Road safety awareness on 27.1.2020	10	200
	NSS- JYOTHISHMATHI INSTITUTE OF TECHNOLOGY AND SCIENCE	Awareness on water conservation 24.01.2020	6	82
	NSS- JYOTHISHMATHI INSTITUTE OF TECHNOLOGY AND SCIENCE	Swachh Bharat on 27.11.2019	12	175
	Ramakrishna colony Grampanchayat , Sarpanch	Anti plastic awareness programme on 09.11.2019	7	200
	NSS- JYOTHISHMATHI INSTITUTE OF TECHNOLOGY AND SCIENCE	Awareness on Cleanliness cum rally 20.09.2019	8	110
	JITS Brigade	Shramdan Tree Plantation on 13.09.2019	11	158
	Ramakrishna colony Grampanchayat ,Sarpanch	Awareness programme on Environmental sustainibility on 14.08.2019	5	150
	Legal cell Karimnagar	Legal cell awareness programme on 17.07.2019	50	250
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3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Consultancy Project	Dr R. Jegadeesan	Amilionn Technologies Pvt Ltd, Hyderabad	180
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research

facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Field Trip	Industrial Visit	Infosys Hyderabad	07/03/2020	07/03/2020	STUDENTS
Field Trip	Industrial Visit to Cable suspension Bridge	Road Buildings Dept.	05/03/2020	05/03/2020	STUDENTS
Field Trip	Industrial Visit	TSGENCO-MHS Circle	30/01/2020	30/01/2020	STUDENTS
Field Trip	Industrial Visit	Gandhi Handmade paper mill	01/02/2020	01/02/2020	STUDENTS
Field Trip	Industrial Visit	Kaleshwaram Lift irrigation Project	26/08/2019	26/08/2020	STUDENTS
Skill Development	National communication skills challenge	ICT Academy	22/01/2020	22/01/2020	STUDENTS
Skill Development	Career guidance	JETKING Pvt Ltd.	03/03/2020	03/03/2020	STUDENTS
research project	Funding Project	Amillion Technologies Pvt Ltd.	16/08/2019	31/12/2019	FACULTY
Internship	Internship	Sign Maker, Sircilla	20/07/2020	08/08/2020	STUDENTS
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 3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
AIMST University, Malaysia	30/12/2019	Webinar, FDP	120
GEMTECHSOFT Pvt Ltd	02/03/2020	Project work, internship	145
VMware IT Academy	07/01/2020	Skill Development Programme	170
ICT Academy	08/09/2020	Webinar, FDP	154

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
3000000	2612533.74

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Classrooms with LCD facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
OPAC	Fully	3.0.4	2012

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	1208	293957	Nill	Nill	1208	293957
Reference Books	1225	Nill	Nill	Nill	1225	Nill
e-Books	792	Nill	572	Nill	1364	Nill
Journals	66	38350	72	137300	138	175650
e-Journals	416	Nill	306	Nill	722	Nill
Digital Database	13570	Nill	Nill	Nill	13570	Nill
CD & Video	1000	Nill	Nill	Nill	1000	Nill
Weeding (hard & soft)	Nill	Nill	Nill	Nill	Nill	0

Library Automation	Nill	47250	Nill	Nill	Nill	47250

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr. Sameeran Chaterjee, Dr. G. Karthick	Analog and Digital Electronics	Institutional (Learning Management System)	15/07/2019
R.SRIDHAR	PRODUCTION TECHNOLOGY	Institutional (Learning Management System)	16/08/2019
S.CHANDRASHEKAR	CNC TECHNOLOGY	Institutional (Learning Management System)	15/07/2019
P.DEVENDAR	THERMODYNAMICS	Institutional (Learning Management System)	15/07/2019
R. Venkateshwarlu, Dr.R. Jegadeesan	Data Communication and Computer Networks	Institutional (Learning Management System)	15/07/2019
P.Pranitha, Dr. M. Sujatha	Design and analysis of Algorithms	Institutional (Learning Management System)	15/07/2019
B. Umarani, G. Sindhusha	Block Chain Technology	Institutional (Learning Management System)	15/07/2019
M. Ravinder, Dr. M. Sujatha, P. Balakishan	Machine Learning	Institutional (Learning Management System)	15/07/2019
G. Sindhusha, M. Ravinder	Operating systems	Institutional (Learning Management System)	16/12/2019
G. Srilatha, K. jayasree reddy	Java Programming	Institutional (Learning Management System)	16/12/2019

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	706	11	80	0	1	0	6	80	0
Added	0	0	0	0	0	0	0	0	0

Total	706	11	80	0	1	0	6	80	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

80 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
• Library e-Access	https://jits.ac.in/library_e-access/
• e-Recording-Centre	https://jits.ac.in/e-recording-centre/
• e-Access	https://jits.ac.in/library_e-access/
• e-Books / Lecture Materials	https://jits.ac.in/e-books-lecture-materials/
• Video Lecture	https://jits.ac.in/video-lectures/

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
2800000	2730560	11000000	10703912

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The institution constitutes a well defined process for the maintenance of its physical equipment, believing that regular maintenance of equipments ensure proper functioning for long period. The maintenance of physical, academic and support facilities are looked after by a coordinator from administrative wing along with a supervisor. The utilization of physical and academic facilities is taken care by respective section heads. There are standard operating procedures for proper utilization and maintenance of academic and other support facilities. The Standard Operating Procedures for maintaining and utilizing physical, academics and support facilities including Do's and Don'ts in laboratory are included in institutional manual. A snapshot of few facilities are mentioned herewith. • Laboratories (All Labs Computer center: The laboratories of the institution are well equipped as per the norms of the affiliating bodies. The maintenance of the lab equipment is a regular practice carried out by the technical staff. In case of any criticality, the technical staff brings it to the notice of concerned head of the department. The head of the department pursues and submits a report endorsed by the Principal to the maintenance coordinator. The maintenance coordinator contacts the service provider and monitors the services to be held at the earliest. • Library: The library is well stocked with sufficient number of books, journals and e-resources. The books are procured to facilitate the students as per the syllabus and the regulations of the affiliating university. Each department submits annually the list of required books to the library committee. The committee in its meeting decides the list of books as per the requirements and sends its consent for the approval from principal. The librarian takes care of damaged books. The weed out process in library is carried out on regular basis. The books after prolonged usage are sent for binding and reuse. In addition,

digital library facility is available with 30 computers to access the e-learning resources like e-journals, SWAYAM video lectures, e-ShodhSindhu database and NPTEL content to all staff and students from all laboratories and ICT class rooms. Students can access the database in the form of faculty tutorials, video lectures, etc, through college website. • Sport complex/ground/equipments: The institutes Physical Director is in charge of the sports facilities and programmes. The students are provided sports equipment according to the event schedule. If any of the equipment breaks down, the sport director makes a request for repairs. Preventive maintenance actions are undertaken on a regular basis. The sport director is in charge of keeping track of how often the athletic facilities are used, what activities are held, and what rewards are given to students, among many other things. • Class Rooms: Class rooms are allocated to all departments along with necessary ICT tools. The class rooms are utilized as per the time table of the department. The class rooms are cleaned on daily basis monitored by institute supervisor. Head of the institute, HODs and Class teachers also monitor the cleanliness and ensure that the cleanliness is maintained in the

https://jits.ac.in/sop/

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	FREESHIPS	296	2418200
Financial Support from Other Sources			
a) National	SC/ST/BC/Minority //EBC department welfare scheme	888	34940000
b)International	Nill	Nill	Nill
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Soft skill development	20/07/2019	885	MYAKS SKILL LAB,KARIMNAGAR
Remedial coaching	20/09/2019	300	JITS,KARIMNAGAR
Language lab	18/07/2019	235	JITS,KARIMNAGAR
Bridge courses	10/08/2019	243	JITS,KARIMNAGAR
Yoga and meditation	16/07/2019	223	Mr.A.Raju ,YOGA Trainer
Personal Counselling	20/07/2019	250	Mr.A.Prasanna Latha, Personal Counsellor
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	For competitive examinations , Career counselling	398	487	21	150

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 5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
5	317	119	12	224	31

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	1	B.Tech	Civil	Vaagdevi College Of Engineering,Warangal	M.tec(S.E)
2020	1	B.Tech	Civil	Vaagdevi College Of Engineering,Warangal	M.Tech(S.E)
2020	1	B.Tech	ME	Apoorva Institute Of Management and Science, Karimnagar	MBA(HR)
2020	1	B.Tech	ME	Apoorva Institute Of Management and Science, Karimnagar	MBA(HR)
2020	1	B.Tech	EEE	Anurag Uni	

				versity,Hyderabad	M.Tech(PE&D)
2020	1	B.Tech	EEE	Gokaraju Rangaraju IET,Hyderabad	M.Tech(P.E)
2020	1	B.Tech	EEE	warangal Institute Of Technology and Science, Warangal	m.Tech(P.E)
2020	1	B.Tech	EEE	warangal Institute Of Technology and Science, Warangal	m.Tech(P.E)
2020	1	B.Tech	ECE	JNTUH COllege of Engg,Hyderabad	M.Tech(Signals and Systems)
2020	1	B.Tech	ECE	B.V.Raju Institute Of Technology and Science, Hyderabad	M.Tech(E.S)

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	6
GRE	3
TOFEL	1
Any Other	4

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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
REPUBLIC DAY CELEBRATIONS - Competition	Institution	446
SPORTS COMPETITION	Institution	120
INDEPENDENCE DAY CELEBRATIONS - competition	Institution	65
CULTURAL ACTIVTY	Institution	134
COLLEGE DAY CELEBRATIONS	Institution	222
COLLEGE SPORTS DAY CELEBRATIONS	Institution	619

CULTURAL ACTIVTY	Institution	22

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
Nill	Nil	Nill	0	0	00	Nil

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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

To ensure the productive participation, quality feedback and progress of information to all students, an effective Class Representative Committee is constituted at our institution. Students as stakeholders participate in several committees that inspect and organize. The Class Representative Committee is re-constituted every year and is chaired by the Principal comprising of one senior faculty as coordinator and class representatives of all the classes of UG PG programmes. Facilitating the smooth functioning of the institution, the Class Representative Committee acts as a perfect link between the students and the management, the students and the faculty, the students and community and among the students themselves. The Institution provides ample opportunities to the students to participate in various committees and exhibit their leadership qualities and execution skills. It is evident that students actively participate in various committees

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

To maintain a healthy relation with Alma-mater, the initiation of our registered college Alumni Association is appreciable. Alumni meet is held once in a year, with twice meeting of executive committee. The Alumni participate and contribute to the development of the institution. The biggest returns from the alumni are the suggestions and the feedback they provide about the improvement in teaching learning processes. The alumni members are involved to deliver guest lectures and also as resource persons to conduct workshops and seminars on recent trends. They also share their professional experience and motivate the students. They share the current scenario of placements, expectations from industries and potential job opportunities in the emerging areas. Another area of alumni contribution includes donation of water cooler, books to library, motivation lectures, and technical talks. The alumni have contributed Rs. 6, 83,900 over a period of 6 years for utilization towards institutional development. The Alumni from various parts of the world enthusiastically participate in the alumni meet organized by the college. The alumni maintain a continued bond with the institution and timely support in student progression is highly appreciated. The departments seek the opinions from alumni on various departmental activities.

5.4.2 – No. of enrolled Alumni:

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528

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5.4.3 – Alumni contribution during the year (in Rupees) :

100000

5.4.4 – Meetings/activities organized by Alumni Association :

1/year

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The institution practices decentralization and participative management. To improve the quality of decision making at the management level and to make academics more effective and efficient, the practice of decentralization and participative management is encouraged in the institution. All Stakeholders of the institution have participative roles in various decision-making committees. The Management and all the stakeholders including Head of the Departments, Faculty, Students, and Alumni are involved in various functional committees of the institution. CASE STUDY: - Class representative committee Class representative committee acts as an interface between students, faculty and management. It is aimed at exercise as one of the best tools for decentralization and participative management practices in the institution. 1. To help the students in sharing their ideas, interests and concern in teaching learning process. 2. To react, represent and resolve all the issues pertaining to academics. 3. To encourage the students in organizing the various activities at the institutional level 4. To promote and encourage the ethical values that represents good character in student's community. 5. To play an active role in motivating the students in day-to-day academic activities. CASE STUDY: - JITS Annual Day Celebrations YASHOYAAN-2020 To mark the 22nd Annual day /YASHOYAAN celebrations of JITS a national level technical and cultural festival was organized on a grand scale for three days, during 22-24 Feb, 2020. As a part of celebrations, competitions were conducted in technical, literary, cultural and sports fields with the association of various committees viz, Cultural committee, Technical committee, Sports committee, Registration committee, Stage Arrangement committee, Discipline committee, Treasury committee, Refreshment committee, Printing Press committee, and Transportations Hospitality committee All the committees are included Teaching, Non-Teaching and students as members to play magnificent role in the 22nd Annual day /YASHOYAAN celebrations of JITS . The student leaders guide the new entrants. The student choreographers are encouraged to guide the students for Annual Day and Intercollegiate competitions. In the college Annual Day, students performed all the duties such as Anchoring, Volunteering and Costume selection. Teachers are involved in discipline duties. Thus by practicing decentralization and participative management, the annual Day was organized successfully on a grand scale.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Admission of Students	Under the head of Student Admission and Support, information of Course curriculum, Academic calendar, Time tables are made available through E-Cap. The students can get their Study/Conduct certificates through E-

	Cap. It also provides the information about Detention and Readmission (Rejoin). It displays various circulars relating to class work, practical sessions, holidays, examination schedules, co-curricular and extra-curricular activities.
Industry Interaction / Collaboration	Industry interaction /collaboration facilitates to identify the trends and expectations of Industry and to establish a platform in enhancing the relationship between the institution and industries. Frequently, Invited talks and seminars are organized for the students from industry experts. Industrial visits are organized for the students to bring awareness of industrial processes and work culture. Students are assisted to undergo internships in the industries which provide real time work experience. The institution is emphasised on getting more MOUs from various industries. ? The institution has associated with AIMST University, Malaysia, GEMTECHSOFT Pvt. Ltd, VMware IT Academy ICT Academy through MOUs during 2019-2020. ? 185 students undertaken Field projects / Internships in 18 organizations during 2019-2020. ? 191 students were enrolled in Certificate courses to fill up the gap between institution and industry.
Human Resource Management	Skilful HR is spine to the institution. The institution always employs efficient faculty through periodical, normally twice in a year during May and November or whenever necessary through Selection committee which is constituted as per the rules and regulations of the university. Faculty member are motivated to participate in FDPs/Workshops/Seminars/Conferences and RD in order to magnify potentials and enrich their academic profile. Usually senior faculty members conduct training sessions to the junior faculty members, so that the junior faculty members are enabled to transform their knowledge in better manner. Performance appraisal is to be done for appreciation and reward. In 2019-2020, the institution has conducted 11 Faculty development programmes conducted and 3 programmes to the Non-teaching staff to enhance their potentials for the effective execution of assigned tasks to them in

		order accomplish institutional strategic objectives. 22 faculty members have successfully completed NPTEL certification course .
Library, ICT and Physical Infrastructure / Instrumentation		The institution provides adequate infrastructure facilities with 37 class rooms, 57 laboratories, 4 well equipped seminar halls, 2 drawing halls, 1 computer centre, 1 video centre, 14 class rooms with LCD facilities, 37 class rooms with Wi-Fi/LAN, 9 seminar halls with ICT facilities, adequate staff rooms and tutorial rooms. Supportive facilities like indoor, outdoor sports and games, gymnasium, yoga centre, contribute towards co-curricular and extra-curricular activities To incorporate technology in teaching and learning process, class rooms are equipped with ICT and smart boards. The campus is Wi-Fi enabled apart from high speed LAN. The institute has Central library, in which the Students and faculty are provided access to technology aided learning platforms like DELNET, NDL, NPTEL videos, e-books etc. Remote access to e-resources of the library is provided to the students and faculty.
Research and Development		The institution is promoting research among students and faculty for quality enhancement in academics. The institution actively involves through evolving appropriate policies and practices. Required infrastructure in terms of space and equipment are provided accordingly. Adequate resources are made available encouraging active research involvement of students and faculty in research as well as recognizing any achievement of teachers through research. The management supports the faculty by cash incentives and appreciation. The institution provides an ecosystem in the form of innovation cell in bringing out the creative and innovative talent among the students. The institute is motivating the faculty as well as the students to seek membership in various professional bodies and establish student clubs in order to grab the additional potentials. During 2019-2020, 37 Faculty members have published Research articles in National/ International Journals/Conferences/Book chpters

		including Scopus and Web of Science Indexed. 112 students were joined in IEI STUDENT CHAPTER .3 faculty members and 110 students were registered in CSI.
	Examination and Evaluation	The institution follows rules and regulations incorporated by JNTUH in the process of internal evaluation and adhere to the reforms communicated from time to time. The MID Question paper is prepared as per Blooms Taxonomy levels in two sets. The MID assessment question paper comprises of subjective paper (10 marks), objective paper (10 marks) and assignment (5 marks). The mid examinations answer scripts are evaluated with in stipulated time and as per the predefined scheme of evaluation and the marks are displayed on the institution and departmental notice board for transparency. In addition to MID Examinations, the institution conducts three class tests, unit wise assignments and a grand test in every semester.
	Teaching and Learning	The institution strongly believes in students-centric learning. Student centric learning focuses on individual student's interaction, competencies in learning patterns with teacher as facilitator. The students are encouraged to bag the knowledge through experiential learning, participative learning, and problem solving methodologies. The institution provides cooperative environment towards innovative practice creating interest and enthusiasm among the students. The institution is incorporating new methods in teaching learning process to create curiosity and passion among learners. Innovative techniques in teaching learning process help the students in applying their creative ideas, experimenting in different ways and implementing accordingly. The faculty evaluates and suggests corrective measures in accordance with blooms taxonomy.
	Curriculum Development	The institution has a well structured system of planning and successful execution of the curriculum. The institution being affiliated to JNTUH strictly adheres to the curriculum prescribed by the university. In addition to the curriculum prescribed by the university, the institute is

being focused on deliver advance topics i.e., beyond the syllabus to the stakeholders to enrich the curriculum and as well as potentials of the targeted stakeholders. The institution always takes step forward to conduct various Workshops, Guest lectures, Skill enhancement programmes, Certificate courses, Bridge courses and Industrial visits to fill up the gap between Industry and Institute. During the academic year 2019-2020, 185 students have undergone Field Projects / Internships and 9 Value added courses were introduced during the year.891 students were enrolled in certificate courses in this academic year. Bride course was designed to new entrants who seek admission in B. Tech. First year to fill up the gap between students and curriculum expectations.

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Student Admission and Support	Under the head of Student Admission and Support, information of Course curriculum, Academic calendar, Time tables are made available through E-Cap. The students can get their Study/Conduct certificates through E-Cap. It also provides the information about Detention and Readmission (Rejoin). It displays various circulars relating to class work, practical sessions, holidays, examination schedules, co-curricular and extra-curricular activities.
Examination	? The examinations related activities are carried out through E-Cap which mentioned below. ? Admissions report (Nominal roles) ? Uploading of JNTUH T-sheets for Result analysis ? Exam fee collection (Registration) ? MID marks entry ? Internal Lab marks entry ? Toppers list ? Circulars relating to Examinations Schedules, Detentions list and Readmission procedure.
Planning and Development	The institution is performing various functionaries with the support of E-Cap as part of e-governance. Under the head of Planning and Development, E-Cap is facilitating of its service ? Preparation of Academic calendars as per JNTUH instructions and its execution. ? Determination of Teaching schedule with well defined Timetables ? Preparation of Lesson plan with

	effective teaching aids ? Monitoring Syllabus coverage in accordance with Lesson plan ? Display of Internal and External examinations schedules
Administration	Notices and circulars are uploaded in the college website and communicated to different departments through E-Cap from the office of the Principal. E-Cap is also facilitating to administrate the academic calendar execution. It displays Sem-wise subjects and respective credits and subjects allocation to the faculty. It helps in posting attendance of students in order to identify the regularity of the students..
Finance and Accounts	The Institution collects Tuition fee and End semester examinations fee from the students through E-Cap at the regular intervals of Class work commencement and End of instructions.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2020	P. Balakishan	Data Analytics and Python Programming	Indo Global Group of Colleges, Chandigarh	1000
2020	V-Neelima	FDP on R Programming	Indo Global Group of Colleges, Chandigarh	1000
2020	Dr.R.Jagadeesan	FDP on R Programming	Indo Global Group of Colleges, New Chandigarh Spoken Tutorial IIT Bombay	1000
2020	Dr.Karthik Ganesan	FDP on Managing online classes and co-creating MOOCS 2.0	Principal,Ram anujan college,New Delhi	750
2020	Dr.Laxmi Rajashekhar	FDP on Managing online classes and co-creating MOOCS 2.0	Principal,Ram anujan college,New Delhi	750
2019	P. Balakishan	4th	(ICIEEE-2019)	1000

		International conference in Electrical and Electronics Engineering (ICIEEE-2019)			
Nill	Dr.Karthik Ganesan	ICACCT 2019	ICACCT 2019	1000
2019	T.Praveen Kumar	4th International conference in Electrical and Electronics Engineering (ICIEEE-2019)	(ICIEEE-2019)	1000
2019	Ch.Sajjan Kumar	4th International conference in Electrical and Electronics Engineering (ICIEEE-2019)	(ICIEEE-2019)	1000
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	FDP on Outcome Based Education	Nill	01/07/2019	06/07/2019	83	Nill
2019	FDP-Power Electronics application to Power systems	Nill	05/07/2019	11/07/2019	17	Nill
2019	FDP on Data Analytics Python Programming	Nill	08/07/2019	12/07/2019	25	Nill
2019	FDP on Sales force	Nill	21/10/2019	25/10/2019	20	Nill
2019	Workshop on Bridge Design, Fa	Nill	21/11/2019	26/11/2019	7	Nill

	brication and Testing					
2019	FDP on VLSI Design and Hands-on Implementation using EDA tools	Nill	02/12/2019	07/12/2019	13	Nill
2019	Nill	Workshop on E-Administration	28/12/2019	Nill	Nill	25
2020	Training Program on Hydraulics and Hydraulic Machinery	Nill	06/03/2020	11/03/2020	7	Nill
2020	FDP on Electrical Machines and Drives	Nill	11/03/2020	15/03/2020	17	Nill
2020	FDP on Micro Processors Micro Controllers	Nill	01/06/2020	06/06/2020	13	Nill

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Workshop on Univasal Human values (AICTE)	4	18/04/2020	22/04/2020	5
FDPon SCILABSponcered by MHRD	4	27/04/2020	02/05/2020	6
FDP on R Programming , Indo Global Group of Colleges, New Chandigarh Spoken Tutorial IIT Bombay	2	27/04/2020	02/05/2020	7
FDP on Moodle Learning Management	17	27/04/2020	02/05/2020	6

System (MHRD)				
FDP on Art of Writing Papers and Research Methologies (AICTE)	2	07/05/2020	13/05/2020	7
FDP on Mobile Application Development (Online Live FDP) Sponcered by ICT	1	14/05/2020	20/05/2020	7
FDP on PHP Mysql Association with Spoken Tutorial IIT Bombay	1	18/05/2020	23/05/2020	6
FDP on MANAGING ONLINE CLASSES and CO-CREATING MOOCS: 2.0Sponcered by MHRD	1	18/05/2020	03/06/2020	15
FDP on R Programming, funded by National Mission on Education through ICT MHRD	2	22/05/2020	28/05/2021	7
FDP on SCI LAB - An Open Source Substitute for MAT LAB (JNTU-H IIT Bombay)	3	25/05/2020	30/06/2020	6
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nill	154	Nill	25

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1. Subsidized Transport for teaching and nonteaching staff. 2. Free Medical consultancy and treatment for common ailments through the	1. EPF is in force to sub staff. EPF is being contributed from management with an equal contribution from employees based on the	Free ships to the deserved students.

Health Centre. 3. Employee is entitled to get five special leaves with pay in case of his/her marriage. 4. In case of unfortunate demise of concern employee parent, five special leaves with pay will be provided. 5. The Institution provides incentives to the faculty for outstanding performance in the curricular/co-curricular/extra c curricular activities. 6. Salary Advance facility is also provided subject to Management discretion on amount and repayment mode. 7. Vacation leaves provision for all employees as per the college norms. 8. Grant of On-duty when faculties are required to go out on official duties or to participate in conferences, seminars, workshops etc., by prior and proper adjustment of workload. 9. Sick Leaves will be provided based on the request from faculty. 10. Provision for Maternity Leave Specific Welfare measures towards Research, Presentations and Publications 1. Incentives to faculty who receive State, National and International recognition/awards 2. Provision of Special Leave to the existing faculty for the pursuance of their higher studies like PhD and PDF. 3. Faculties are encouraged to write and publish books or monographs and incentives are provided. 4. Incentives will be given to the faculty member for journal publication. 5. The institution will pay the

pay scale governed by EPF rules. 2. Dress Allowance to Sub-Staff

registration fee, TA DA and provide OD (On-Duty) for research paper presentation in the conferences. 6. Special incentives for research grants. 7. The faculty will be honoured with memento, Appreciation certificate and immediate increments for obtaining of Doctoral and Post Doctoral degree.	

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The institution follows a well defined financial policy for effective and optimal utilization of financial recourses for academic and administrative purpose. The budget is prepared well in advanced by taking into consideration the financial requirement of every department. The budget requirements of the respective departments will be prepared annually and submitted before the College Academic Committee. The CAC submits the proposal as per the necessity of the institution to the governing body. The governing body reviews the proposal and acts accordingly. The internal audit is carried out twice in a year by the accounts department of the institution and the statements are reviewed by the management. The external audit is performed annually by Chartered Accountant.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
A.Chennakesh	100000	Infrastructure Development
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6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Principal, Navodaya Institute of Technology, Raichur – 584 103, Karnataka, INDIA.	Yes	Committee appointed at the Institutional level
Administrative	Yes	Principal, Navodaya Institute of Technology,	Yes	Committee appointed at the Institutional

	Raichur – 584 103, Karnataka, INDIA.		level

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

1. Communicating the parent regarding pupil regularity and performance in academics. HOD appoints the faculty members of respective department as Class In charges in order to monitor the regularity of the students to the class work and communicating the same to the parents as and when required for betterment of the students. 2. Obtaining feedback from parents on institutional activities. HOD/Class In charge/ Administrative staff collect the feedback of the parents whenever they visit the institution or through phone call or email on institutional activities for the attainment of strategic goals of the institution. 3. Counselling the parents to focus on the pupil for the improvisation of performance in academics. HOD/ Class In charge /Mentor counsels the parents to get their greater association either to improve the students in academics or make the students as all-rounder's through improvising their potentials in academics and as well as in other interested areas of the students. 4. Inviting the parents to adore the institution through participating in Institute functions /meetings. The institution usually invites the parents to participate in institute functions /meetings. So that, the institution may build good connectivity with the parents which facilitates the institution to get mould the parents as potential ambassadors for the progress and prosperity of the institution.

6.5.3 – Development programmes for support staff (at least three)

1) A One day Workshop on E- Administration-Dated :28-12-2019 2) A One day Workshop on Mastering Excel: Tour from Beginners to Advance-Dated:18-01-2020 3) A One day Workshop on Google Apps-Dated:08-02-2020

6.5.4 – Post Accreditation initiative(s) (mention at least three)

-NA-

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	No
c)ISO certification	Yes
d)NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2020	Entrepreneurship awareness camp	06/01/2020	29/01/2020	31/01/2020	92
2019	Conduction of One week FDP on Outcome Based Education	27/05/2019	01/07/2019	06/07/2019	83
2019	Conduction of Student	27/05/2019	22/07/2019	12/06/2020	1664

	Technical Skill Enhancement Programme at Department level.				
2019	Enrolment of Students and Faculty in Various Professional bodies	27/05/2019	18/09/2019	18/09/2019	113
2020	Training the faculty on usage of various online tools for teaching	11/12/2019	14/03/2020	14/03/2020	106
2020	Conduction of Webinar series on recent trends in various domains	06/01/2020	06/05/2020	20/05/2020	714
2019	One day Work shop on E- Administration	27/05/2019	28/08/2019	28/08/2019	25
2019	Guest lecture on Professional ethics	27/05/2019	06/11/2019	06/11/2019	160
2019	Seminar on Emotional Intelligence	11/12/2019	19/12/2019	19/12/2019	320
2019	Workshop on Teaching and Learning using moodle	27/05/2019	09/11/2019	09/11/2019	110
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Save Girl – Save Child	04/10/2019	Nill	92	36
Women in	15/11/2019	Nill	112	20

Workforce					
Women acts and Policies	22/11/2019	Nill	39	17
Women Empowerment	13/12/2019	Nill	88	40
Women Entrepreneurship and Skill Development	10/01/2020	Nill	98	14
Awareness Programme on Law's relating Eve-Teasing Control	17/01/2020	Nill	74	38
Women Safety Laws	07/02/2020	Nill	89	39
Seminar on Gender Sensitization	14/02/2020	Nill	72	44
International Women's Day	07/03/2020	Nill	200	0

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
42.64

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	Yes	0
Ramp/Rails	Yes	0
Braille Software/facilities	Yes	0
Rest Rooms	Yes	0
Scribes for examination	Yes	0
Special skill development for differently abled students	Yes	0
Any other similar facility	Yes	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff

		community					
2019	1	Nill	30/10/2019	Nill	Students demonstrating and encouraging farmers to prepare cost effective equipments on their own	to create an alternative to the commercial equipments	36
2019	1	Nill	09/12/2019	Nill	Multi Disciplinary interaction program on rural problems	To identify the practical problems faced by the rural community and to link them to their discipline through the inter action	105
2019	1	Nill	30/12/2019	Nill	Tech Idea Generators	to contribute in finding technical solutions to the rural problems	72
2019	1	Nill	15/02/2019	Nill	Supported as a volunteer center for mega job mela	to utilize the opportunity and reduce the gap from metropolitan cities	85
2020	1	Nill	07/03/2020	Nill	Visit of girl students to Infosys campus	to bridge institute academic gaps	63
2019	1	Nill	17/03/2020	Nill	Utilizing	to address	512

					google classes for inter acting with students during off campus hours	the sudden student i nteractio n gaps and emergency bandhs.	
2019	Nill	1	08/01/2 020	Nill	Awareness on curbing usage of single plastic and impetus to plastic waste man agement	To address the envir onment threats	37
2019	Nill	1	24/01/2 020	Nill	Awareness meet on water con servation	to create an awareness on water scarcity	34
2019	Nill	1	14/02/2 020	Nill	Collect ion of rural community problems by students	To provide the technical concern to the local community	35
2019	Nill	1	06/03/2 020	Nill	Digital Literacy	to sanitize the rural community towards d igitizati on	33

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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of Conduct	28/05/2019	The institution has framed a well defined code of conduct for all its stakeholders and external visitors. As stakeholders of the college Parents, students, teacher, alumni

are expected to follow the college values and culture along with its policies and procedures. Teaching being the noblest profession Principal and staff are expected/ required to observe the code of conduct along with the service rules. Students being the major stakeholders are prescribed with a separate code of conduct which moulds the future engineers into a responsible disciplined student. Separate code of conduct is observed for other stakeholders and the external visitors. In view of the Covid 19 constraints special code of conduct is prescribed for all the stakeholders to adapt them towards online environment.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Independence day	15/08/2019	Nil	203
Tree plantation programme	12/09/2019	Nil	158
Swachh Bharath Programme	26/09/2019	Nil	175
Constitutional Day of India	26/11/2019	Nil	114
Blood Donation Camp	11/12/2019	Nil	96
National Youth Day	12/01/2020	Nil	156
Republic Day	26/01/2020	Nil	221
Mahathma Gandhi Vardhanthi	30/01/2020	Nil	152

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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Solar Power plant 2. Solid, Liquid and e-waste Management System 3. Pedestrian Friendly Roads 4. Plastic Free Campus 5. E-CAP : Paperless office 6. Green Landscaping with trees and plants 7. Rain harvesting pits 8. Compost Pits

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1 Societal Consciousness: The practice of societal consciousness among the students is followed from the inception of the institution. This phenomenon gradually became a regular practice transforming the students and faculty from awareness to an action. The students are provided with a broader objective of societal concern and conceptual understanding. The students and faculty are encouraged to participate in various activities like Antidrug campaign, Road safety, Anti plastic awareness, Voter enrolment awareness, Programme on digital payment etc. Various initiatives are taken to donate note books, stationary and clothing to orphan children, computers, refrigerators to the government school students. Periodical visit to old age homes providing necessary commodities accordingly. Concern towards specially abled children was exhibited by donating smart TV, clothes, note books, stationary and other utility items to "Manovikas School"- a school for specially abled children, at Karimnagar. To stand true to the statement "Action Speaks More than Words" the students and faculty of the institution voluntarily participate in Blood Donation camps at regular intervals. The institution promotes practices to understand the moral values that guide the engineering profession, the social and cultural constraints pertaining to gender in the society, minimizing the efforts of disaster and developing an attitude of concern for the environment among the students and faculty. Students and faculty join their hands voluntarily and stand supportive with a service motto to help the disaster affected people and provide them the required relief. The institution has installed 100 KWP roof top Solar Power plant through which 59.13 of energy requirement is met. LED bulbs are used for lighting to reduce 50 of conventional energy. Practice of presenting plants and sapling at various college events is followed in the institution. Students regularly participate in Swacha Bharath Abhiyaan and Tree Plantation drives. There are large numbers of trees, ornamental plants, flowering plants and lush green sprawling lawns which help in reducing the air pollution thereby improving the quality of air. Rain water is harvested through pits for recharging ground water levels. The institution has 3 recharge pits with capacity of 17,000 litres, 25,000 litres and 1,44,000 litres respectively at appropriate locations. Separate bins are placed at the campus for collecting bio-degradable and non- biodegradable waste which are disposed and recycled in safe manner. Compost is prepared and used for gardening. Conservation of power is practiced by switching off fans and lights when not in use. Best Practices-2 Skill Enhancement Programme The well structured skill enhancement programme of the institution ushers the students to acquire knowledge, skills, aptitude, attitude, competitive and communication skills to meet the requirements of the industry. The students are nurtured in the areas of Career mapping Personal Effectiveness Quantitative aptitude and logical reasoning Effective communication and interpersonal skills Leadership Competencies Technical skills To empower the students with communication skills (verbal written), team spirit, problem solving, self motivation, leadership qualities, presentations skills, and interview skills etc., the students are provided with "Skill Enhancement Programme" every semester. "Skill Enhancement Programme" is incorporated in timetable and is made mandatory for all the students. Training and Placement cell actively engages itself in carrying out the awareness and training activities for students throughout the year. Faculties from respective departments are the active members who motivate the students and act as support system in making the student core competent and self motivated. Students are made aware with the recent technological trends, job opportunities, changing expectancies of the employee through awareness programmes, workshops and Guest lectures. Students are educated to undergo the SWOT analysis to identify their strengths, weakness, opportunities and threats and are trained to overcome their challenges and improve confidence levels. Faculty paves a niche in students' career development. It is imperative for

educators to upgrade their skills and knowledge through FDPs, Train the Trainer Programmes and various training session to address the skill gap among the students. Students are encouraged to register for Telangana Academy for Skill and Knowledge (TASK), an organization that provides training on latest technology, personal and organizational skills along with job opportunities.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://jits.ac.in/best-practices/

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

The institution with foresight of improving the students' in all dimensions follows modern methods of teaching apart from the traditional chalk and talk method. In teaching learning process each student is provided with a blend of concepts and practices with modern infrastructure facilities in a zestful environment. The students are taught through a transformative intellectual faculty with a cavernous practical knowledge. Effective teaching learning process includes interacting with learners, working towards their goals by incorporating knowledge, behavior and contemporary skills. Along with focus on academic grades the students are exposed to lifelong learning skills which help them to excel in all spheres of life. The institution provides ample opportunities to its students to improve life skills and academic development. Content beyond syllabus is practiced through seminars, workshops, guest lectures, paper presentations, internships and industrial visits. In order to catch up with the advancement in technology and bring out the hidden talents from the students, the innovation cell facilitates a platform to promote active learning. The benefits include creative skills to tackle real world problems, contribute actively to group based work and learn from their peers in group based task. Students are provided with interactive learning environment through usage of ICT and smart classes. The students are provided with access to e-content resources of the library. The students are motivated towards research through project based learning. The students' chapters and department associations offer a vibrant space for the students to work on their interest beyond the classroom. The institution has a well defined process to horn aptitude, communication, entrepreneurial, technical and soft skills to the students through Skill Enhancement Programme. The students are trained to be more confident to tackle real world problems. To develop technical skills and improve the core competencies among the students, each department conducts various certification and training programmes. The students are provided with certifications courses and VET courses for better learning. Project based learning is encouraged to develop the students' inherent creative and technical skills. The institution believes that discipline is the life and sole of every individual. The discipline committee ensures that the students adhere to the code of conduct and mould them into responsible citizens. Students mentoring system of the institution guide and counsel the students in academics and non academics including personal domain to achieve their best in life. In addition, the mentoring system aims at addressing the deficiencies in attitudes, habits and knowledge of the students towards learning. Being conscious towards community reach and environment protection, is also a part of students academic excellence. The institution having gratitude towards society encourages the students to carry out beneficial acts in neighborhood communities. The institution has paved its way to success by incorporating a proper blend of academics (Teaching and learning), life skills programmes, discipline, mentoring system and societal concern to transform the students into successful individuals.

Provide the weblink of the institution
https://jits.ac.in/institutional-distinctiveness/

8.Future Plans of Actions for Next Academic Year

The IQAC of the institution has identified the broad objectives for which the institution should strive to achieve during the next academic year, which are enumerated as under 1) Emphasis on blended learning approach 2) Participation in NIRF Ranking 3) Introduction of new courses in Computer Science Engineering with specialisations in Artificial Intelligence and Machine Learning 4) Focus on Quality research publications and applying for patents 5) Train the faculty on new emerging technologies 6) MOU with reputed academic institutes 7) Encouraging the students and faculty to undergo various certification programmes offered by NPTEL