



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	S B JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT AND RESEARCH, NAGPUR
Name of the head of the Institution	Dr. Sanjay L. Badjate
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	07122667777
Mobile no.	9763702571
Registered Email	info@sbjit.edu.in
Alternate Email	principal@sbjit.edu.in
Address	Behind Asaram Bapu Ashram, Gram- Yerla, Katol Road,
City/Town	Nagpur
State/UT	Maharashtra
Pincode	441501

<b>2. Institutional Status</b>	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	private
Name of the IQAC co-ordinator/Director	Dr. Pankaj B Thote
Phone no/Alternate Phone no.	07122667777
Mobile no.	9422803865
Registered Email	iqacell@sbjit.edu.in
Alternate Email	thote.pankaj@gmail.com

<b>3. Website Address</b>	
Web-link of the AQAR: (Previous Academic Year)	<a href="https://www.sbjit.edu.in/wp-content/uploads/2020/01/AQAR-2018-19.pdf">https://www.sbjit.edu.in/wp-content/uploads/2020/01/AQAR-2018-19.pdf</a>
<b>4. Whether Academic Calendar prepared during the year</b>	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://www.sbjit.edu.in/academic-calendar/">https://www.sbjit.edu.in/academic-calendar/</a>

<b>5. Accrediation Details</b>					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.02	2017	12-Sep-2017	11-Sep-2022

<b>6. Date of Establishment of IQAC</b>	01-Apr-2016
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<b>7. Internal Quality Assurance System</b>
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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
Internal Academic Audit	22-Nov-2019	1887

(19-20)	4	
AQAR 2018-19 timely submission to NAAC	23-Dec-2019 1	156
External Academic & Administrative Audit	07-Dec-2019 1	1887
Webinar on NIRF Ranking System	30-Jun-2020 1	71
NPTEL online course on Outcome based pedagogic principles for effective teaching	08-Nov-2019 4	85
FDP on Research Methods and Data Analytics	04-Jan-2020 2	7
Introduction of Club Hour in time table	14-Nov-2019 1	1731
Guest Lecture on How to live Peaceful, Stress-free, Successful & Happy Life in 21st century	25-Jan-2020 1	800
Institute Visit by expert to assess the Quality in all Aspects of the Institutional Endeavors	28-Jan-2020 1	1887
International Conference on Innovation in Engineering Science, Management and Technology-2019	12-Dec-2019 3	109
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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
S.B. Jain Institute of Technology, Management and Research, Nagpur	Prerana Scheme for SC/ST students	AICTE	2019 730	980000
S.B. Jain Institute of Technology, Management and Research, Nagpur	Skill and Personality Development Program Centre for SC/ST students (SPDP)	AICTE	2019 1095	1025417
S.B. Jain Institute of Technology, Management and	Unnat Bharat Abhiyan	IIT Delhi under the UBA Program	2019 365	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 :**

4

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)**

International Conference on "Innovation in Engineering Science, Management and Technology 2019" organized in the Institute.

The Institute prepared and submitted the Autonomous Proposal to the UGC through Affiliating University on 1st October 2019.

External Academic Administrative Audit conducted in the year 2019.

Internal Academic Audit for 2019 20 (ODD) conducted at the end of semester.

Institute organized NPTEL online course on "Outcome based pedagogic principles for effective teaching" for all the teaching faculties.

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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
Submission of Autonomy Proposal for grant of autonomy	The Institute has submitted the Autonomy Proposal to the UGC in the month of Oct 2019.
Timely online submission of NAAC AQAR 2018-19 as per the new format.	Each and every academic and other support department contributed for the

	successful preparation and submission of AQAR 2018-19 to NAAC.
Conduction of internal academic audits of all academic departments.	Internal academic audits of all the academic departments were conducted for the session 2019-20 (ODD Semester) and required actions were taken against the findings. This has considerably improved the academic endeavors of the Institute.
STTPs, FDPs for faculty development	Various Faculty development programmes, training programmes etc. were organized by the academic departments during the year. Faculties have also attended STTPs, FDPs outside the Institution. This has enhanced the faculty's skill sets and has introduced them to the modern happenings of their respective field.
Conduction of various workshops, seminars, webinars etc., activity for bright students and slow learners for students development.	Various workshops, seminars, webinars etc. were conducted for the betterment and overall development of the students. Remedial classes were conducted for slow learner students for their better understanding of the subjects.
Conduction of Value Added Courses, Add-on Courses etc.	The academic departments conducted value added courses, add on courses, skill development programmes etc. to help them acquire contemporary knowledge and skill sets for their professional development.
Conduction of International Conference by the Institute	The Institute organized International Conference on "Innovation in Engineering Science, Management and Technology-2019" in the month of December 2019 and has received active participation.
Conduction of External academic administrative audit for system improvement.	External academic administrative audit was conducted by the experts of the field in the year 2019. This has significantly enhanced the academic administrative system of the Institute.
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<b>14. Whether AQAR was placed before statutory body ?</b>	Yes
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Name of Statutory Body	Meeting Date
Governing Body	22-Dec-2020

<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to</b>	No
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assess the functioning ?	
<b>16. Whether institutional data submitted to AISHE:</b>	Yes
Year of Submission	2020
Date of Submission	19-Feb-2020
<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>The Institute has a Management Information System, installed from a Third party. The Management Information System is installed to smoothly conduct, monitor, analyse and control various activities being executed in the Institute. The operational modules currently in MIS are as follows: 1. Organizational Module Through this module, various global information such as countries, states, city, languages, castes, Institute level information such as Departments, Courses, Branch Details, Semester master, University Syllabus, Teaching Schemes, subjects, topics are added into the MIS. Holidays and other events are also planned through this module. 2. Student Module This module is used to maintain various student details, their updation, admission related information and promotion of students to higher classes. 3. Employee Module This module is used to maintain various employee details, their updation. The grades, designation, pay scales etc. are updated through this module. 4. Self Registration Module Newly admitted student details are added online through this module, at the time of admission. 5. Accounts Module Accounts related information such as income incurred, expenses occurred, maintenance of balance sheet, payments done through cash, cheques, and vouchers etc. are done through this module. 6. Fees Module Student's regular fees, outstanding fees, fees incurred from scholarship, concession provided etc. are done through this module. 7. Time Table Module Time Tables are uploaded on the MIS and accordingly the attendance is maintained by respective faculties</p>

through this module. 8. Academic Monitoring System The academic conduction such as number of classes planned and actually conducted, topics planned and covered, adherence to the academic calendar is monitored through this module. 10. Exam Internal Assessment Marks obtained by students in internal exams are uploaded through this module.

## 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 incorporated Outcome Based Education (OBE) in its academic endeavours where each department strives to attain its offered Course Outcomes (CO s) ultimately leading to attainment of its Program Outcomes. All possible steps are taken by the departments to achieve the NBA Program Outcomes and its Program Specific Outcomes. Dean Academics, a central level portfolio is created to carry out reforms, implement the best practices, monitor, assess and control all academic activities of the Institution. Dean academics prepare a well planned academic calendar prior to the start of semester session and the departments follow it rigorously. The course In-charge's prepare their teaching plan and subject file in consultation and approval from the Head of the department before the commencement of the semester session and the contents are delivered through this effective planning. All the academic related activities viz. curriculum plan and its timely execution, regular attendance etc. are regularly logged on day to day basis, monitored, effectively managed and controlled through Management Information System. The Course In-charges include beyond syllabus contents in their respective course syllabus which are significant for the effective learning considering the contemporary needs which are not covered through current University curriculum. Case study is included as a part of academic activity in each semester. It has inculcated learning through self analysis and exploration. A unique self learning activity is implemented throughout the departments where the students prepare a allotted portion of the course by themselves and deliver to the class through power point presentation. It has improved their self learning ability as well as presentation skills and confidence building. Open ended experiments are introduced in practicals. This has provided the student flexibility to explore and perform any other experiment by themselves utilising the resources of that respective laboratory. NPTEL Videos/Educational Videos/Webinars are included in the academics delivery. This helps students in visualizing the theoretical concepts, understanding fundamentals in a better way and clearing doubts. Frequent workshops, seminars, guest lectures, Industry Expert talks are conducted by all departments to cater to the current educational need which are not met through the academic curriculum. The college often arranges Industrial Tours, Visits for understanding industrial practices and developments in respective areas. Internships are undertaken by both UG and PG students. Skill development programme for students are well planned in advance and its modules are executed adhering the departmental academic calendar. Spoken Tutorials, NPTEL Online Certification Courses are introduced into the curriculum to enhance the learning aspects of the students. Field Projects are introduced and carried out by the students undertaking final year projects working on the real

issues and challenges of the Industry. During the COVID-19 pandemic situation and lockdown, the Institute is delivering education through online mean using Google-meet platform.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Industrial Skills [Electrical Engineering aspects] (EE)	Nil	05/10/2019	5	yes	yes
NPTL -Swayam Certificate Examination (MBA)	Nil	24/12/2019	60	yes	yes
Basics of python Programming (ETC)	Nil	02/03/2020	4	yes	yes
EPRO 2K19-A Project Building Workshop(VI SEM) (ETC)	Nil	23/12/2019	5	yes	yes
Certification course on JAVA Basics(IV SEM) (ETC)	Nil	20/12/2019	8	yes	yes
Certification course on programming skill using C (III SEM) (ETC)	Nil	17/06/2019	14	yes	yes
Certification course on oriented programming using JAVA (V SEM) (ETC)	Nil	17/06/2019	14	yes	yes
Certification course on Web Development(III SEM) in association with IT	Nil	19/08/2019	6	yes	yes



Department (ETC)						
Manthan	Nil	23/12/2019	5	yes	yes	
Add-on course on C Programming language	Nil	01/06/2020	30	yes	yes	
Add-on course on Leadership Management	Nil	01/06/2020	30	yes	yes	
Add-on course on Co mmunication Aptitude Development	Nil	01/06/2020	30	yes	yes	
AUTOCAD (ME)	Nil	15/07/2019	6	yes	yes	
Product Design and Engineering Using Autodesk Fusion 360 (ME)	Nil	22/07/2019	8	yes	yes	
AUTOCAD (ME)	Nil	16/12/2019	6	yes	yes	
Material Testing of Engineering Materials (ME)	Nil	16/12/2019	6	yes	yes	
Workshop on "Basic of C Programming" (CSE)	Nil	13/06/2019	14	yes	yes	
Workshop on Programming in JAVA (CSE)	Nil	13/06/2019	14	yes	yes	
Workshop on SQL (CSE)	Nil	19/08/2019	3	yes	yes	
Workshop on Python (CSE,IT)	Nil	16/12/2019	14	yes	yes	
Workshop on Networking (CSE,IT)	Nil	16/12/2019	6	yes	yes	
Workshop	Nil	16/12/2019	6	yes	yes	

on SalesForce (CSE,IT)	Nil	16/12/2019	6	yes	yes
Workshop on Application Development (CSE,IT)	Nil	13/06/2019	14	yes	yes
Workshop on Web Development (IT)	Nil	13/06/2019	14	yes	yes
Workshop on Python Programming (IT)	Nil	13/06/2019	6	yes	yes
Workshop on "Basic of C Programming" (IT)	Nil	19/08/2019	6	yes	yes
Workshop on Basics of Internet Programming (IT)	Nil	03/10/2019	7	yes	yes
Computer Aided Drafting Tec hnology(Auto Cad Electrical) (EE)	Nil				

## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
<b>No Data Entered/Not Applicable !!!</b>		
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### 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
BE	Electronics Telecommunication Engineering (Elective Course)	01/06/2019
BE	Mechanical Engineering (Elective Course)	01/06/2019
BE	Computer Science & Engineering (Elective	01/06/2019

	Course)	
BE	Information Technology (Elective Course)	01/06/2019
BE	Electrical Engineering (Elective Course)	01/06/2019
MBA	MM;FM;HRM; OM;ED;IBM,BA (CBCS)	23/09/2019
Mtech	Electronics Engineering (CBCS)	01/07/2019

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

	Certificate	Diploma Course
Number of Students	3652	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
Manthan-19	23/12/2019	207
Workshop on “Basic of C Programming” (CSE,IT) (59,55)	13/06/2019	114
Workshop on Programming in JAVA (CSE)	13/06/2019	56
Workshop on Python (CSE,IT) (65,67)	16/12/2019	132
Workshop on Networking (CSE,IT) (7,1)	16/12/2019	8
Workshop on SalesForce (CSE,IT) (55,47)	16/12/2019	102
Workshop on Application Development (CSE,IT) (4,16)	16/12/2019	20
Workshop on Web Development (IT)	13/06/2019	36
Workshop on Python Programming (IT)	13/06/2019	40
Workshop on Basics of Internet Programming (IT) (For complete list, click view file)	19/08/2019	62
<a href="#">View File</a>		

### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Electronics & Telecommunication Engineering	82
BE	Mechanical Engineering	142

BE	Computer Science & Engineering	57
BE	Information Technology	30
BE	Electrical Engineering	71
MBA	Marketing Management/Financial Management/Human Resource Management	62
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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 Institutions strongly believes that Feedback is an essential and integral part of an ongoing learning process. It helps in gathering the perception of learning experiences/learning outcomes, comprehensive Course review, motivation and engagement along with judging overall satisfaction of all the stake holders at various levels for continuous improvement of the departments and the Institution as a whole. Google Platform, a modern tool for obtaining feedback is employed for feedback process. It is then analyzed and timely actions are taken at all levels for continuous improvement. However, in case, wherever online mode of feedback is not possible, manual methods are employed. The Feedback undertaken are classified as Formal/Structured and Informal feedback.

**Formal Feedbacks:** These Feedbacks are taken in the Department periodically as stated below: 1 Theory Feedback Twice in Semester (Online) 2 Practical Feedback Twice in Semester (Online) 3 Course End Survey (Theory Practical) At end of Semester (Online) 4 Students Satisfaction Survey (SSS) At end of Semester (Online) with two parts PART a) Teaching Learning PART b) Facilities and Extended Support 5 Any Enhancement Programs, Workshops, Trainings, Internships, FDP's etc. At the end of the activity 6 Programme Exit Feedback At the end of the programme (Online) InFormal Feedbacks 1. Normally HOD maintains the routine practice and discuss with students regarding the quality of ongoing teaching learning process in the department. 2. This is done by discussing with sample no. of students separately/surprise visit in the practical hours etc. 3. During visit of parent in the department, HOD takes an informal feedback of the Department Institute. 4. The Head of Department also takes informal feedbacks from the Faculties and nonteaching staffs for the improvement of department and the Institution. 5. If any suggestion or grievances is received in the informal feedbacks from the students/parents, the same is addressed proactively to improvise the system. 6. The students are encouraged to provide their suggestions in the suggestion box of the department to improve the department/Institute systems /activities/processes etc : (i) This suggestion box is opened by the Principal in the presence of head of department and concerned Incharge. (ii) These suggestions are discussed between Principal, HoD and departmental feedback coordinator with a formal meeting at Principal's

office and decisions are made by the authority to address these suggestions. Feedbacks from faculties, parents, alumnis, employers are also taken, analysed and actions are initiated at all levels and utilized for overall development of the Institution.

## 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
BE	COMPUTER SCIENCE & ENGINEERING (DSY) (For complete list, click view file)	9	9	9
BE	MECHANICAL ENGINEERING (DSY)	60	57	57
BE	ELECTRICAL ENGINEERING (DSY)	23	22	22
BE	ELECTRONICS & TELECOMMUNICATION ENGINEERING (DSY)	83	34	37
Mtech	Electronics Engineering	18	3	3
MBA	MASTER OF BUSINESS ADMINISTRATION	60	60	60
BE	COMPUTER SCIENCE & ENGINEERING (FY)	120	125	125
BE	MECHANICAL ENGINEERING (FY)	120	73	73
BE	ELECTRICAL ENGINEERING (FY)	60	37	37
BE	ELECTRONICS & TELECOMMUNICATION ENGINEERING (FY)	120	86	86
<a href="#">View File</a>				

### 2.2 – Catering to Student Diversity

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

Year	Number of	Number of	Number of	Number of	Number of
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	students enrolled in the institution (UG)	students enrolled in the institution (PG)	fulltime teachers available in the institution teaching only UG courses	fulltime teachers available in the institution teaching only PG courses	teachers teaching both UG and PG courses
2019	1601	130	94	9	5

### 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	Number of smart classrooms	E-resources and techniques used
103	91	8	27	Nil	6

[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)

Yes, Teacher-Guardian scheme is implemented in the Institute. Effective mentoring system provides constant guidance to the student and feedback to the parent. Entrusting the teaching faculty with the task of mentoring a group of students on academic and personal issues, thereby strengthening the bond between teachers and students, leading to a better learning atmosphere and to sustain their performance. The process starts from induction program of first year students, and continues till the final year wherein students are advised on areas such as employability, entrepreneurship and higher studies along with proper career guidance. The Institute provides a number of mechanisms for student support and mentoring like 1. Teacher Guardian 2. Class Incharge 3. Project Guide 4. Placement Guardian. The teacher guardian scheme is implemented for the students in order to assist in their studies to monitor their academic performance regularly and to enlighten the students on professional ethics and to develop the overall personality of the students. Mentor helps the student to understand the organizational cultural in the campus, provides guidance for personal issues. Each faculty member is assigned a group of students for mentoring. To make the mentoring scheme work effectively, following practices are meticulously carried out in the institution – 1. The mentors (or TGs) meet their students in the mentoring hours. 2. Each mentor maintains details of all the students under him 3. The mentors regularly communicate with the parents of irregular and non performing students 4. The placement guardians guiding the students regarding the communication skills, technical skills and personality development skills as well as periodically motivate the students for the opportunity. 5. Periodic meetings are conducted by the mentors with the respective HODs and discussion on common issues is done 5. HODs regularly interact with the students and make sure that mentoring scheme is implemented effectively. 6. Departmental forums are developed to ensure interaction between senior and junior students. 7. Centralized committees, viz. discipline committee, anti-ragging committee, women's grievance cell, etc. help make sure that the students feel safe and secure in the campus. All the above steps result in developing positive ambience and a healthy relationship among all the stakeholders of the institution. This ultimately helps student in improving his/her academic performance and personality.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1731	103	16.8

### 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
94	103	Nil	103	19

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	Nisarg Gandhewar	Assistant Professor	Best Research Paper Presentation Award/ICIESMT-19
2019	Nisarg Gandhewar	Assistant Professor	Silver Medal /NPTEL online certification on Introduction to machine learning.
2019	Dr. Swapnili Karmore	Associate Professor	Best Research Paper Award/ICIESMT-19
2020	Dr. Swapnili Karmore	Associate Professor	Judge ENCRIPTYAA annual Techfest Gov. Polytechnic (For complete list, click view file)
2020	Dr. Amol Morankar	Associate Professor	Patent awarded for MEMS BASED HIGH Q AND SELF TUNABLE BAND PASS FILTER dated 28/04/2020
2020	Dr. Sanjay Badjate	Principal	Research Committee Member of RTM Nagpur University for Granting Higher and Learning Center at Jhulelal Institute of Technology, Nagpur
2020	Dr. Sanjay Badjate	Principal	Vice-Chancellor Nominee of RTM Nagpur University for the selection of Principal at ITM College of Engineering, Nagpur
2020	Dr. Nadeem Alvi	Assistant Professor	Doctor of Philosophy (PHD)
2020	Dr. Mayank R. Choubey	Assistant Professor	Doctor of Philosophy (PHD)
2020	Prof. Arvind B. Totey	Assistant Professor	Best Paper Award (Green Energy for Sustainable Development 2020, ICGESD-20) (AICTE)
<a href="#">View File</a>			

## 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
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

With the adoption of Outcome Based Education (OBE) as an educational theory, by the end of the educational experience, each student is expected to have achieved the goal. The role of the faculty in this Institute is to instruct, train, facilitate, and/or mentor the students based on the outcomes targeted. The assessment process practised by the Institute is to improve student learning and development. The process helps in gathering, analysing and discussing information from diverse sources to develop a deep understanding of what students know, understand value and can do as a result of their academic and cocurricular experiences at the Institute. Furthermore, the assessment process benefits in continuous improvement of the program and effectively accomplishing the Institute's mission. The students are continuously evaluated in terms of Course Outcomes, Program Outcomes and Programme Specific Outcomes with different tools of evaluation including various activities undertaken by the students in their academic tenure. Continuous Assessment in Practical Hours is also carried out. The faculties continuously assess the students in each practical hour by conducting viva's on the practical performed by the student. Also they conduct technical group discussion after the performance for effective evaluation. The Internal marks are finalized based upon student's performance in the Internal Examinations, Student's Attendance and also incentive marks policy is incorporated where student's performance in various cocurricular and extracurricular activities are rewarded.

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

Before the beginning of the academic session, Dean Academics prepare a well planned Institute's Academic Calendar all the activities related to the conduct of Internal Examination and its related matters are considered. The date for display of examination timetable, duration for conduction of examination, date for display of examination marks, submission of its CO attainment, remedial class time table and its conduction schedule is well planned and adhered by all departments. All the academic departments also plan their departmental academic calendars with inclusion of their departmental activities in line with Institute's Academic Calendar and follow it firmly.

## 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://www.sbjit.edu.in/department-home/>

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
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413710110	MBA	Marketing Management/ Financial Management/ Human Resource Management	66	66	100
413724610	BE	Information Technology	63	63	100
413729310	BE	Electrical Engineering	73	73	100
413724210	BE	Computer Science & Engineering	64	64	100
413761210	BE	Mechanical Engineering	124	124	100
413737610	Mtech	Electronics Engineering	5	5	100
413737210	BE	Electronics & Telecommunication Engineering	112	112	100
No file uploaded.					

## 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://www.sbjit.edu.in/internal-quality-assurance-cell-igac-2/#tab-id-5>

## 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
Any Other (Specify)	6	Department of Electronics Information Technology, Government of India	1.75	1.62
Any Other (Specify)	30	LR Services Private Limited	0.08	0.08
<a href="#">View File</a>				

### 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
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Workshop on Python Programming in Collaboration with S2P Edutech Nagpur	Information Technology	13/06/2019
Workshop on "Basic of C Programming" in Collaboration with S2P Edutech Nagpur	Information Technology	13/06/2019
Workshop on Basics of Internet Programming in Collaboration with S2P Edutech Nagpur	Information Technology	19/08/2019
Hands on Workshop on IoT by Mr. Atul Ghumade , Director Geek Infotech, Nagpur	Information Technology	31/07/2019
Workshop on SQL in Collaboration with S2P Edutech Nagpur	Information Technology	17/02/2020
Workshop on Introduction to MATLAB Simulator and Programming based on MATLAB Simulator and its opportunities in industries	Information Technology	07/03/2020
Seminar on Intellectual Property Rights	Electrical Engineering	28/05/2020
Why? IPR	First year Engineering	26/06/2020
Introduction to Patent Searching and Patent Drafting	RD Cell	08/07/2020
International Research and Collaborations	RD Cell	04/07/2020
Two days workshop on Research Methodology	Electronics Telecommunication Engineering	28/08/2019
Seminar on "How to Crack GATE- A Seminar on Guidance for Higher Studies".	Electronics Telecommunication Engineering	04/07/2019
Expert Talk on Engineering, Procurement and Construction from KEC International	Electronics Telecommunication Engineering	14/08/2019
Expert Talk on Technical Consultancy Organization Sickness in small Business.	Electronics Telecommunication Engineering	17/08/2019
Expert Talk on Hiring Trends IT Certification	Electronics Telecommunication Engineering	11/09/2019

Seminar on Ethical Hacking Cyber Security· Digital Marketing CMS Development	Electronics Telecommunication Engineering	04/01/2020
Seminar on Career opportunities	Electronics Telecommunication Engineering	20/01/2020
Seminar on Career Opportunities in AI and ML	Electronics Telecommunication Engineering	21/01/2020
Seminar on Aptitude Enhancement Skill Development	Electronics Telecommunication Engineering	24/02/2020
Seminar on Salesforce Administration Salesfore Development	Electronics Telecommunication Engineering	11/01/2020
Seminar on Exploring Aptitude Skills	Electronics Telecommunication Engineering	08/02/2020
Guidance session on Network Theory for GATE	Electronics Telecommunication Engineering	12/02/2020
Industry expectations from today's engineers and significance of industrial training	Mechanical Engineering	14/08/2019
Industrial Robotics and Automation	Mechanical Engineering	27/08/2019
Introduction to CAD/CAM softwares	Mechanical Engineering	08/01/2020
Workshop on "Basic of C Programming" in Collaboration with S2P Edutech Nagpur	Computer Science and Engineering	13/06/2019
Workshop on Programming in JAVA in Collaboration with S2P Edutech Nagpur	Computer Science and Engineering	13/06/2019
Guest Lecture on Current Trends and Future in Data Analytics by Ms. Pratigya Thakur , Mr. Saurabh Joshi, Ms. Renu Nair, Unisoft Technologies, Nagpur	Computer Science and Engineering, Information Technology	24/07/2019
Guest Lecture on How to develop Programming Logic by Mr. Gandhar Patwardhan , Director, S2P Edutech, Nagpur	Computer Science and Engineering, Information Technology	08/06/2019
Workshop on SQL in Collaboration with S2P Edutech Nagpur	Computer Science and Engineering	19/08/2019

Workshop on Python in Collaboration with S2P Edutech Nagpur	Computer Science and Engineering, Information Technology	16/12/2019
Workshop on Networking in Collaboration with S2P Edutech Nagpur	Computer Science and Engineering, Information Technology	16/12/2019
Workshop on SalesForce in Collaboration with S2P Edutech Nagpur	Computer Science and Engineering, Information Technology	16/12/2019
Workshop on Application Development in Collaboration with S2P Edutech Nagpur	Computer Science and Engineering, Information Technology	16/12/2019
Seminar on World of Artificial Intelligence and its opprtunities in Industries by Mr Arpit Yadav,Artificial Intelligence and Machine Learning Researcher at Tensor Brew, Hyderabad	Computer Science and Engineering, Information Technology	03/03/2020
One month Certificate Program on Programming Language-C in Collaboration with S2P Edutech Nagpur	Computer Science and Engineering	01/06/2020
Webinar on Intellectual Property Rights	Computer Science and Engineering, Information Technology	29/05/2020
Workshop on Web Development in Collaboration with S2P Edutech Nagpur	Information Technology	13/06/2019
Workshop on Computer Aided Drafting Technology [AutoCAD Electrical	Electrical Engineering	03/10/2019
Industrial Automation	Electrical Engineering	18/07/2019

### 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
Low Cost 3D Printer (Final Year Project ETC)	Mr. Piyush Punwatkar Mr. Aditya Barange Mr. Hrishikesh Shendurkar Mr. Akshay Lakde Mr. Aniket Shende (ETC)	National Level Project Competition, Government College of Engineering, Nagpur	27/02/2020	Low Cost 3D Printer (Final Year Project ETC)
Development of an Approach for Multiobject Detection Recognition	Vivek Thakre, Nikhil Borkar, Suraj Gupta, Abhishek Jangitwar, Anike	Pursuit 2020 A National Level Technical Symposium (Grand Project	28/02/2020	Development of an Approach for Multiobject Detection Recognition

using Deep Learning	t Kuralkar (CSE)	Expo-20) organized by SSGMCOE, Shegaon		using Deep Learning
AS-POINTER: Accident Prone Spot Locator	Abhijeet Gorai, Krutika Yeole, Damini Gotmare, Priti Pathak, Ayushi Jain (CSE)	Techkrunch 2k20, organized by GHRIET Nagpur	18/02/2020	AS-POINTER: Accident Prone Spot Locator
MIZYNER: An AR based Smart Interior Designer	Ayush Sharma, Aadesh Mahule, Naushad Dhun, Neeraj Nehra, Anil Rathod (CSE)	AXIS National level Project Competition (Technodocx), organized by VNIT Nagpur	03/01/2020	MIZYNER: An AR based Smart Interior Designer
FYTOLYZER: Plant Species Identification Its Utility Specification	Anmol Tiwari, Akshat Jain, Nadeem Khan, Raymond Mathew, Yamini Singh (CSE)	Pursuit 2020 A National Level Technical Symposium (Grand Project Expo-20) organized by SSGMCOE, Shegaon	28/02/2020	FYTOLYZER: Plant Species Identification Its Utility Specification
FLICK: Online Meeting Platform	Joy Tank, Vikram Bajirao, Mrunmayee Pawar, Shaileja Ganorkar, Vishanvi Khelkar (CSE)	Pursuit 2020 A National Level Technical Symposium (Grand Project Expo-20) organized by SSGMCOE, Shegaon	28/02/2020	FLICK: Online Meeting Platform
Indoor Navigation system using Augmented Reality	Ayush Sharma, Naushad Dhun, Neeraj Nehra (CSE)	International Conference on Innovation in Engineering sciences, Management Technology, organized by SBJITMR in Collaboration with IFERP	13/12/2019	Indoor Navigation system using Augmented Reality
Automated Ordering System for Railways	Aniket Raut, Shakti Singh, Shalwin Borkar, Aniket Chikte, Milind Singh (IT)	Rajiv Gandhi College of Engineering Research, Nagpur	07/03/2020	Automated Ordering System for Railways
Solar Electric Vehicle (Best Team Spirit)	Team Zero Mile Racers	Saur Urja Vehicle Challenge (SUVC 2020),	08/03/2020	Solar Electric Vehicle (Best Team Spirit)

Award)		Refrangible Society of Technophile Engineers (RSTE)		Award)
Solar Electric Vehicle (Gurudronacharya Award)	Team Zero Mile Racers	Saur Urja Vehicle Challenge (SUVC 2020), Refrangible Society of Technophile Engineers (RSTE)	08/03/2020	Solar Electric Vehicle (Gurudronacharya Award)
No file uploaded.				

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
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	7

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

Name of the Department	Number of PhD's Awarded
No Data Entered/Not Applicable !!!	

#### 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	8	1.81
International	Computer Science Engineering	6	0.23
International	Information Technology	3	0.13
International	Electrical Engineering	1	0.52
International	First Year Engineering	1	4.65
No file uploaded.			

#### 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
Electrical Engineering	7

Information Technology	8
Computer Science Engineering	11
Mechanical Engineering	10
Electronics and Telecommunication Engineering	4
No file uploaded.	

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
Smart Notice Board using Android Application	Prof. Nicky Balani	Test Engineering and Management	2020	0	S.B.Jain Institute of Technology, Management Research, Nagpur, India	Nil
Novel Energy Efficient Design of Water-Cooler for Hot and Dry Climate	Mr.Vikrant Katekar	Test Engineering and Management. 12523 - 12528. The Mattingley Publishing Co., Inc. (Scopus Indexed)	2020	0.1	Department of Mechanical Engineering, S.B.Jain Institute of Technology Management and Research, Nagpur, Maharashtra, India	Nil
Investigation of Harmonics Present in Three-Phase Auxiliary Converter Used in the Locomotives of Indian Railways	Mr. Saurabh Kamble	J. Inst. Eng. India Ser. B	2020	1	S.B.J.I. T.M.R	Nil
Design Analysis and Development of	Mr.Faisal Hussain	SAE Technical Paper, doi:10.4271/2	2019	1	Department of Mechanical	Nil

High-Speed Rotating Fatigue Testing with Integrated by Twisting Test		019-28-0053			Engineering, S.B.Jain Institute of Technology Management and Research, Nagpur, Maharashtra, India	
An Experimental Investigation Of Thermal Performance of Double Basin, Double Slope, Stepped Solar Distillation System	Mr.Vikrant Katekar	International Journal of Mechanical and production Engineering Research and Development (IJMPERD)	2020	0.7	Department of Mechanical Engineering, S.B.Jain Institute of Technology Management and Research, Nagpur, Maharashtra, India	1
A Review on Research Trends in Solar Still Designs for Domestic and Industrial Applications"	Mr.Vikrant Katekar	Journal of Cleaner Production . Article in Press, DOI: <a href="https://doi.org/10.1016/j.jclepro.2020.120544">https://doi.org/10.1016/j.jclepro.2020.120544</a> (SCI Indexed)	2020	10.9	Department of Mechanical Engineering, S.B.Jain Institute of Technology Management and Research, Nagpur, Maharashtra, India	6
A Review of the Use of Phase Change Materials on Performance of Solar Stills	Mr.Vikrant Katekar	Journal of Energy Storage, Article in Press, <a href="https://doi.org/10.1016/j.est.2020.101398">https://doi.org/10.1016/j.est.2020.101398</a> . (SCI indexed)	2020	5.2	Department of Mechanical Engineering, S.B.Jain Institute of Technology Management and Research,	6



					Nagpur, Maharashtra, India	
Experimental Analysis of Finite field over Prime Field and Binary Field	Dr. Sonali Nimbhorkar, Dr. Swapnili Karmore	Test Engineering and Management	2020	0.1	SBJITMR, Nagpur	Nil
A Review on Collaborating Blockchain and Internet of Things (IoT) Technologies	Mrs. Titiksha Bhagat, Ms. Pushpa Chutel	International Journal of advanced science and technology	2020	0	SBJITMR, Nagpur	Nil
Thermoeconomic Analysis of Solar Distillation System with Stepped-Corrugated Absorber Plate (For complete list click view file)	Mr. Vikrant Katekar	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science.	2020	2.5	Department of Mechanical Engineering, S.B.Jain Institute of Technology Management and Research, Nagpur, Maharashtra, India	Nil
<a href="#">View File</a>						

### 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
Smart Notice Board using Android Application	Prof. Nicky Balani	Test Engineering and Management	2020	5	Nil	S.B.Jain Institute of Technology, Management Research, Nagpur, India
A Review of the Use of Phase	Mr. Vikrant Katekar	Journal of Energy Storage,	2020	3	6	Department of

Change Materials on Performance of Solar Stills		Article in Press, <a href="https://doi.org/10.1016/j.est.2020.101398">https://doi.org/10.1016/j.est.2020.101398</a> . (SCI indexed)				Mechanical Engineering, S.B.Jain Institute of Technology Management and Research, Nagpur, Maharashtra, India
Thermoeconomic Analysis of Solar Distillation System with Stepped-Corrugated Absorber Plate	Mr.Vikrant Katekar	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science.	2020	3	Nil	Department of Mechanical Engineering, S.B.Jain Institute of Technology Management and Research, Nagpur, Maharashtra, India
A Review on Collaborating Blockchain and Internet of Things (IoT) Technologies	Mrs. Titiksha Bhagat, Ms. Pushpa Chutel	International Journal of advanced science and technology	2020	Nil	Nil	SBJITMR, Nagpur
Experimental Analysis of Finite field over Prime Field and Binary Field	Dr. Sonali Nimbhorkar, Dr. Swapnili Karmore	Test Engineering and Management	2020	3	Nil	SBJITMR, Nagpur
A Review on Research Trends in Solar Still Designs for Domestic	Mr.Vikrant Katekar	Journal of Cleaner Production. Article in Press, DOI: <a href="https://doi.org/10.1016/j.jclepro.2020.101398">https://doi.org/10.1016/j.jclepro.2020.101398</a>	2020	3	6	Department of Mechanical Engineering, S.B.Jain Institute of

and Industrial Applications"		020.120544 (SCI Indexed)				Technology Management and Research, Nagpur, Maharashtra, India
An Experimental Investigation Of Thermal Performance of Double Basin, Double Slope, Stepped Solar Distillation System	Mr.Vikrant Katekar	International Journal of Mechanical and production Engineering Research and Development (IJMPERD)	2020	3	1	Department of Mechanical Engineering, S.B.Jain Institute of Technology Management and Research, Nagpur, Maharashtra, India
Design Analysis and Development of High-Speed Rotating Fatigue Testing with Integrated by Twisting Test	Mr.Faisal Hussain	SAE Technical Paper, doi:10.4271/2019-28-0053	2019	Null	Null	Department of Mechanical Engineering, S.B.Jain Institute of Technology Management and Research, Nagpur, Maharashtra, India
Investigation of Harmonics Present in Three-Phase Auxiliary Converter Used in the Locomotives of Indian Railways	Mr. Saurabh Kamble	J. Inst. Eng. India Ser. B	2020	Null	Null	SBJITMR
Novel Energy Efficient Design of	Mr.Vikrant Katekar	Test Engineering and Management.	2020	3	Null	Department of Mechanical

Water-Cooler for Hot and Dry Climate (For complete list click view file)	12523 - 12528. The Mattingley Publishing Co., Inc. (Scopus Indexed)			Engineering, S.B.Jain Institute of Technology Management and Research, Nagpur, Maharashtra, India
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### 3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	5	265	8	13
Presented papers	42	1	Nil	Nil
Resource persons	2	17	1	22
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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
Yoga Day (ETC)	SBJITMR	2	75
Blood Donation Health-Eyecheck up Camp (ETC)	GSK Blood Bank	2	56
Blanket Donation (ETC)	SBJITMR Nagpur	3	30
Digital India Campaign "A sensitizing awareness drive for online payments ATM Cash withdrawal" (ETC)	In association with Punjab National Bank, Fetri	2	35
"Women Health Hygiene Awareness program #WhatWomenWant" (ETC)	In association with Yuva Jyoti, Indian Centre for Integrated Development Nagpur	1	40
Webinar on Swachh Bharat Abhiyan (ETC)	Indian Pollution Control Association	1	226
Workshop on	SWACCHA	2	25

Composting (ME)	Association		
Distribution of cloths and Food Grains at Matoshri Vrudhashram, Adasa (ME)	SWACCHA Association	4	75
Segregation of waste: Awareness Camp (ME)	SWACCHA Association	2	15
Distribution of wet Dustbin (ME) For complete list, click view file.	SWACCHA Association	2	15
<a href="#">View File</a>			

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
"Saur Urja Vehicle Challenge 2020", Coimbatore (SUVC) (ME)	The Team Zero Mile Racers bagged Best Driver Award, Best Team Appreciation award, Best Team Participation award	Refrangible Society of Technophile Engineers at Hindustan College of Engineering, Coimbatore, Tamil Nadu	15
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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 activities	Number of students participated in such activities
Swaccha Bharat Abhiyan	SWACCHA Association	Distribution of cloths and Food Grains at Matoshri Vrudhashram, Adasa (ME)	4	75
Swaccha Bharat Abhiyan	SWACCHA Association	Workshop on Composting (ME)	2	25
A sensitizing awareness drive for online payments ATM Cash withdrawal	Punjab National Bank, Fetri	Digital India Campaign "A sensitizing awareness drive for online payments ATM Cash withdrawal "(ETC)	2	35
Women Health Hygiene Awareness	Yuva Jyoti, Indian Centre for Integrated	"Women Health Hygiene Awareness	1	40

program	Development Nagpur	program #WhatWomenWant" (ETC)		
Sensitizing students for Swatch Bharat	Indian Pollution Control Association	Webinar on Swachh Bharat Abhiyan (ETC)	1	226
Distribution of used notebooks for underprivileged	Indian Centre for Integrated Development, Nagpur	Mission Zero "Distribution of used notebooks for underprivileged: An initiative for zero wastage of paper and campaign to spread importance of education (ETC)	2	32
Women Health Hygiene Awareness program	Yuva Jyoti, Indian Centre for Integrated Development Nagpur	"Women Health Hygiene Awareness program #WhatWomenWant" (ETC)	1	40
Swaccha Bharat Abhiyan	SWACCHA Association	Segregation of waste: Awareness Camp (ME)	2	15
Swaccha Bharat Abhiyan	SWACCHA Association	Distribution of wet Dustbin (ME)	2	15
Swaccha Bharat Abhiyan (For complete list, click view file)	SWACCHA Association	Green Canvas: Drawing and Painting Competition (ME)	1	22
<a href="#">View File</a>				

### 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
<b>No Data Entered/Not Applicable !!!</b>			
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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	Duration From	Duration To	Participant

details

**No Data Entered/Not Applicable !!!**

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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
V.S. Informatics (ETC)	04/01/2020	Internship, Industrial Visit, Project Assistance Technical Seminar	1
AUV Technology (ETC)	21/09/2019	Internship, Industrial Visit, Project Assistance Technical Seminar	6
S2P Edutech (ETC)	21/09/2019	Internship, Industrial Visit, Project Assistance Technical Seminar	11
Tecxtra Technologies Pvt. Ltd. (ETC)	30/08/2019	Internship, Industrial Visit, Project Assistance Technical Seminar	6
IIOT LabZ, Nagpur (CSE, IT) (3,1)	09/01/2020	Internship, Training, FDP, Technical Workshop	4
Circuitcy Technology. Unred Road, Nagpur (EE)	15/07/2019	Seminar for Students	62
AUV Technology (MBA)	21/09/2019	Internship, Industrial Visit, Project Assistance Technical Seminar	1
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#### **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
15	13.92

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing

Seminar halls with ICT facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
No file uploaded.	

#### 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 partially)	Version	Year of automation
Digi. Softlib	Fully	5.5	2008

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	25993	10303071	105	68173	26098	10371244
Reference Books	1476	711172	18	5117	1494	716289
e-Books	3019	1829012	Nil	Nil	3019	1829012
Journals	622	558716	37	37300	659	596016
e-Journals	1340	27140	551	13570	1891	40710
Digital Database	17330	302270	Nil	Nil	17330	302270
CD & Video	646	83314	Nil	Nil	646	83314
Library Automation	22	83314	Nil	Nil	22	83314
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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
NA	NA	Moodle Platform (Institutional LMS)	01/06/2019
Dr. D. B. Rana	Viscosity index numerical	<a href="https://rtmnu-eshiksha.in">https://rtmnu-eshiksha.in</a>	23/04/2020
Dr. D. B. Rana	Lubrication	<a href="https://rtmnu-eshiksha.in">https://rtmnu-eshiksha.in</a>	24/04/2020
Mr. Y. P. Shinde	Laser-1, Laser-2	<a href="https://youtu.be/MU4o2tq53Sw">https://youtu.be/MU4o2tq53Sw</a> , <a href="https://youtu.be/6iY0cPLU">https://youtu.be/6iY0cPLU</a>	24/03/2020



Mr. Y. P. Shinde	Laser-3, Laser-4, Laser-5, Laser-6	T-E https://youtu.be/tpKIUeBGf-4, https://youtu.be/GISo3RU7QHo, https://youtu.be/jQFinhtTUKw, https://youtu.be/liLpO08oFY	17/04/2020
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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	840	16	840	1	3	4	6	50	1
Added	7	1	7	0	0	0	0	0	0
<b>Total</b>	<b>847</b>	<b>17</b>	<b>847</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>6</b>	<b>50</b>	<b>1</b>

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

50 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
Moodle (LMS)	<a href="http://192.168.2.6:8081/moodle">http://192.168.2.6:8081/moodle</a>
Media Streaming Server (NPTEL)	<a href="http://192.168.2.4:9001">http://192.168.2.4:9001</a>
Online Examination Portal (ETC)	<a href="http://192.168.3.250/Exam.html">http://192.168.3.250/Exam.html</a>

#### 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 incurred on maintenance of physical facilities
533.1	476.68	80	84.16

##### 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)

<p>Working procedure for IT infrastructure maintenance • IT/Computer related maintenance requirement is raised by the department in the specific format duly signed by the head of the department. • The technical staffs visits the location, analyzes the problem, repairs it, If possible or informs back to the in charge if any hardware replacement is required. • In case any hardware replacement, the HOD initiates the requirement as per the suggestion given by the technical expert preferable from the IT infra department. • After receiving the hardware component technical staff repairs it. Working procedure for Electrical maintenance • Requirements for electrical maintenance work are received from the various department in specific format duly sign by the Head</p>
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of Department. • After receiving the requirement the electrical maintenance in charge consolidate the problem and visit personally to identify the problem. • After identification of problem the electrical maintenance in charge repairs the same. • In case of any hardware requirement the maintenance in charge takes the approval from the authority and procures the material (if needed). • After procuring the material the electrical maintenance in charge repairs the same. • After repairing he will inform to the respective department. Utilization of computer IT infrastructure • The institute has computer center all the departments are having adequate no of computers connected with the internet and is used by the students to access the internet and to fill the online exam forms for filling the other academic activities forms. • Online tests for curricular Cocurricular activities are conducted. Utilization maintenance of Library, Laboratory, Sports facility, classrooms etc. • Reading hall and reference section of the library is used for reading reference purpose by the students and the staff members. • Digital Library Network resource center of the library is used for accessing e-resources online offline. The computers are available which are connected to the internet and used by the students. • The Library has audio/video visual section where students access the IIT video lectures/NPTEL video lectures. • The students and staff members issue the books from the circulation section and book bank section of the library. • Laboratory in charge looks after the maintenance of the laboratories in consultation with the Head of department. Housekeeping in charges maintains the cleanliness of the respective departments. • Playground is used by our students for practicing various events and prepares competitions. Working procedure for building maintenance: • Requirement of civil maintenance work received from the department and submitted to the authority accordingly the instructions are given to the supervisor for maintaining the same. • If more no of problems are reported simultaneously work is done as per the priority. • The supervisor supervises the work and its progress and gives the suggestions. • After completion of work with satisfaction the bills are submitted to the account section for necessary approval from the authority. • After approval from the authority the bills are released as per the terms conditions.

<https://www.sbjit.edu.in/infrastructure/>

## 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	TFWS, Late Jaswantiben Anantrai Parekh Need based scholarship 19-20, Class toppers for the session 18-19, Management Concession	534	14350025
Financial Support from Other Sources			
a) National	SC, ST, VJNT, SBC, OB C, RCSMSY (EBC)	1390	93378635
b) International	Nil	Nil	Nil
<a href="#">View File</a>			

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
<b>No Data Entered/Not Applicable !!!</b>			
<a href="#">View File</a>			

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 passed in the comp. exam	Number of students placed
2020	Campus recruitment Training and Career Counselling for final year students	504	504	3	169
No file uploaded.					

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
1	1	10

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
<b>No Data Entered/Not Applicable !!!</b>					
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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	Department graduated from	Name of institution joined	Name of programme admitted to
2020	Nill	Nill	Nill	Nill	Nill
No file uploaded.					

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
-------	---

SLET	1
GATE	2
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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
Skit Competition 2	Institute	18
Dance Competition 2	Inter Collegiate	70
Singing Competition 2	Inter Collegiate	20
Fashion Show 2	Institute	120
Basket Ball 2	Inter College	12
Volley Ball 2	Inter College	24
Kabaddi 2	Inter College	21
Water Polo 2	Inter College	35
Cricket 2	Inter College	42
Football 2	Inter College	48
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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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Winner 1st Position for water Polo sports	National	1	Nil	ET16067, ET16109, ET16011, ET16089, ET16073, ET16117, ET16086	Shubham Khushwah, Aniket Manoj Tagade, Hashiket Gajanan Bhojar, Sunny Sarshiram Paikrao, Prayas Shankar Mandape, Gaurav Mohan Wanjari, Suveg Prakash Nimje (ETC)
2020	Runner Up in Football (Represent Maharashtra State)	National	1	Nil	A113	Anup Mistri (First Yr)

No file uploaded.

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

The purpose of the student council is to give students an opportunity to develop leadership by organizing and carrying out college activities and service projects. The Institute has well established student representative council (SRC) which organizes the various co-curricular and extra-curricular activities for overall development of the students at the Institute Level. Every department has its own departmental forums along with various chapters viz. IEEE, IETE, SAE, ISHRAE which organizes regular activities at its levels. These council and forums are professionally organized, managed and owned by the student's community. Each class has CRs as their Class Representative, students and alumni are the members of the IQAC and college development committee. The Students are the members in the internal complaint committee, library committee

Department wise Student Forum details are as follows: Department: Mechanical Engineering Virtual Campus, Debate Competition, Play war, Mobile Photography Competition, . Kargil vijay diwas, Blood donation camp. Social Activity Club- Pahel Training on organic compost, Waste awareness camp, Green Canvas: Drawing and Painting Competition (In association with Swachha NGO), Seed ball preparation workshop, Tree plantation drive. SAE- One week workshop on Introduction to Vehicle Dynamics. Social event like visit to orphanage, blood donation, Youth day etc. Department: Electronics Telecommunication Engineering Forum IETE FEETA organises the various activities: • Technical skill enhancement • Personality Development • Workshops on Communication. Social and Digital India promotion Activities • Guidance on Higher Studies • Department of Computer Science Engineering Department conducts the number of activities for overall grooming of students of the department under the departmental forum SUIGENERIS. Under IEEE Student Branch, department conduct technical program like coding competitions, technical guest lecture and workshop to improve technical skills of students and meet the industry requirements and Computer Literacy Program for the village school students Department: Electrical Engineering Students in association with IEEE perform various activities under the banner of IEEE. The department has also installed IEEE's Power Energy society (PES) students Chapter and students are actively involved in it. A student's Forum ELAN (Electrical League of Ampere's Nexus) is established in the department which consists of a structured administrative body aims in bringing out leadership management qualities in the student. This forum is professionally managed by the student community and various activities are carried throughout the session. Department: Information Technology: Forum Name: ADROIT, Department of Information Technology Technical Body Name: IEEE CS Chapter Various Technical/Non-Technical/Sports Activities are carried out under the banner. Department: Master of Business Administration INVICTUS Forum enables the students to get actively involved in learning about management skills, coordination skills, team management among many and the benefits are evident. All round personality include the mental, moral, physical development of the students, this platform is given by the NSS unit of college. Each year the blood donation camp are held in our college where the students and staff members are donating the blood. Cleanliness drive camps, seed bomb preparation activity and Road safety programme. First Year department organized Technical, social, Health and environmental activities

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

2878

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

One Alumni Meet organized (Interaction with Head of Department and Faculties, Guidance related to projects, career, entrepreneurship, Internship, placements etc. to students.)

## 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 college authorities are very open for any suggestions and are always ready for discussion. They are always ready to implement the suggestions if they are fruitful and effective. Decentralized functioning mechanism empowers the departments to function with a greater flexibility and at the same time they share the responsibilities. 1. Head of Departments functions independently with their roles and responsibilities. Various portfolios are created such as Dean Academics, Dean RD, IQAC, III cell, IT In charge, Alumni cell, women redressal cell, grievance cell, internal complaint committee, library, Training Placement Officer, Anti ragging committee, entrepreneurship development cell, NSS cell, Sports cell etc. for effective governance and management of the Institutional endeavors. Departmental heads also delegate work as per assigned portfolios to their colleagues to ensure smooth completion of work/tasks in the expected time frame. 2. One of the most important managerial concepts the college has implemented is the participation of faculty members in the decision making process in matter related to academic and nonacademic nature. This has created a sense of involvement and responsibility among all the staff members resulting in efficient administration of the college. Various Committees consisting of staff from various departments provide efficient coordination among team members in coordination with decision making authority.

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
Library, ICT and Physical Infrastructure / Instrumentation	Library: • Library has sufficient ejournals and sufficient back volumes for all the departments. Digital library facilities with National and International online journals are also provided. Library administrations like issue / return of books are maintained through library software. Every year, additional volumes of books are added based on the requirements from all the departments. • Every class has one compulsory library hour / week for permitting the students to access the

reference books and journals which augments the learning process. Apart from the central library, every department has a Department Library and NPTEL videos for various subjects. ICT:

- Class rooms, seminar halls and laboratories of the departments are enabled with ICT tools.
- For most of the subjects, power point presentation is being prepared by the faculty members and it is used for taking classes in an interactive way.

Physical infrastructure/instrumentation:

- Under a Supervisor, a dedicated team maintains the academic infrastructure and other facilities of the Institute.

Examination and Evaluation

- Guidelines for examination, evaluation are framed by dean Academics.
- Examination evaluation process is conducted, managed organized in an effective manner maintaining integrity transparency in the examination process.
- Question papers for examination are first moderated by moderation committee in a desired format
- The Course In-charge evaluates the answer sheets with well defined criteria maintaining the transparency and fairness in the evaluation process.
- Few selected answer sheets to be moderated are then moderated by the moderation committee.
- After the evaluation, CO attainment sheet is prepared by the course In-charge with a well defined criteria for attainment level.

Research and Development

The Research and Development Cell is established with an objective of promoting research by students and the faculty members in newly emerging and challenging areas of Engineering, Technology, Science and Humanities. Faculty are provided with On - Duty, Registration fee refunds for participating in conference, FDP, Seminars etc as per the policy of the Institute. Faculty members are encouraged to organize, attend and present papers at State/National/International Conferences, Workshops and Seminars. Faculty members and students are motivated to publish their research papers in reputed National and International Journals / Conferences.

Human Resource Management

The Institute appoints adequate number of qualified faculty through the

procedure of open advertisement and interview by expert committee. • The Institute organizes various orientation and enrichment program for both teaching and nonteaching staff members for upgrading their skills in the latest technology. • Employee provident fund facility is provided to all regular staff. • Special seven days leave is given for marriage of the staff. • The ward of a staff member will be provided with a concession of 50 in the tuition fees, if he/she is willing to take admission in the school and the Institutions run by Sir Shantilal Badjate Charitable Trust. • Institute offers medical insurance for the staff members and students. • Medical leave provision is given to the faculty and staff members based on the request. • On duty is provided for pursuing higher studies, attending enrichment courses/seminars/conferences/workshops and exam duties as per the policy of the Institute.

Industry Interaction / Collaboration

The institution emphasizes upon career development of the students. This is achieved with establishment of MoUs with reputed industries to enhance Industry Institute Interaction activities like internships, industrial visits, inplant trainings, value added courses, industrial projects, guest lectures etc., for the benefit of students. • Entrepreneur Development Cell (EDC) is functioning for enhancing the industry institute relationship. • Industrial visits, in plant training and internship programmes to the students are arranged for getting practical exposure and knowledge in the industrial environment. • Training programmes are provided to the faculty members from industry to update their knowledge on present day industrial scenario.

Admission of Students

- The admissions of the students are strictly followed as per rules and regulation based on the Government of Maharashtra and AICTE norms.

Curriculum Development

- Inclusion of content beyond syllabus in both theory and practicals
- Seminars/ Workshops/Trainings from Industry experts on contemporary topics
- Addition of Skill development programmes/ Value Added Courses/ Add On



	<p>Courses in academic plan. • Academic monitoring by Dean Academics • External Academic and Administrative Audit and Internal Academic Audit are conducted by the Institute.</p>
Teaching and Learning	<p>• The planning and organization of the teaching, learning and evaluation scheduled for all the programmes in each discipline is done by the Dean Academics respective and Heads of Departments. • For effective teaching learning process, classroom teaching is encouraged with the use of power point presentations, video lectures, NPTEL lectures, MOODLE server, etc. • In order to provide ample academic flexibility to teachers students self learning topics, Open ended experiments, case studies, mini projects are given to students • Also various guest lectures, seminars, workshops, Industrial visits, skill enhancement programmes are conducted for students for developing their technical skills. • Based on this, suggestions feedbacks are obtained from students Stakeholders which are analyzed and used for continuous improvement.</p>

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

E-governance area	Details
Planning and Development	Yes, VENDOR: WORDPRO COMPUTER CONSULTANCY SERVICES PVT. LTD implemented from year 2018 19. The Institute has incorporated ERP system.
Administration	Yes, Circulars/Communication through Email.
Finance and Accounts	Tally, ERP Module and other related software's are used by the accounts department for accounting purpose.
Student Admission and Support	The data is maintained by the admission cell of the admitted students. The data is maintained as per the area of specialization and class wise. This helps the admission department to keep track of the students admitted to the college and seats lying vacant in the institute.
Examination	In the university examination the online question papers system is adopted by the University. The Online valuation system is adopted and executed which inturns results the fast declaration of the University results.

All the Internal examinations marks are online submitted to the university.

### 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
2019	Mr. Saurabh Kumar Singh	PAPER ON TITLE DESIGN IMPLEMENTATION OF DIRECT DRIVEN SOLAR WATER PUMPING SYSTEM, JOURNAL OF EMERGING TECHNOLOGIES INNOVATIVE RESEARCH	Nill	1076
2019	Dr. Pankaj Thote	INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ELECTRICAL ENGINEERING ICAMEE-2019, G H RAISONI COLLEGE OF ENGINEERING, NAGPUR	Nill	1250
2019	Dr. Abhay Kasetwar	FDP APPLICATION FEE, INDIAN SOCIETY FOR TECHNICAL EDUCATION (ISTE), DELHI	Nill	1500
2019	Mr. Mayur Tembhurney	STTP ON COMPUTER VISION MACHINE LEARNING APPLICATION (CVMLA-2019)	Nill	1000
2019	Mr. Abhishek Junghare	TRAINING PROGRAMME ON ELECTRICAL DRIVES (VFD/VVVF/AC)	Nill	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	Title of the administrative	From date	To Date	Number of participants	Number of participants
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	development programme organised for teaching staff	training programme organised for non-teaching staff			(Teaching staff)	(non-teaching staff)
2019	Two days workshop on Research Methodology (ETC)	nil	28/08/2019	29/08/2019	50	Nil
2020	One week Online faculty development program on scilab (ETC)	nil	04/05/2020	09/05/2020	581	Nil
2020	Webinar on Virtual Reality (ETC)	nil	23/06/2020	23/06/2020	119	Nil
2019	3D Design Software CREO (ME)	nil	27/08/2019	31/08/2019	18	Nil
2020	One week online Faculty Development Program on "R" (ME)	nil	05/05/2020	09/05/2020	638	Nil
2019	One week STTP on "Recent Trends in Open Source Software Tools for Engineering" (CSE)	nil	26/08/2019	31/08/2019	18	Nil
2020	One week Faculty development program on Python 3.4.3 (CSE)	nil	20/04/2020	25/04/2020	305	Nil
2020	Webinar on Learn AI without Coding (CSE IT)	nil	19/06/2020	19/06/2020	129	Nil

2019	Applications of Evolutionary Computation Techniques in Power System (EE)	nil	29/08/2019	31/08/2019	10	Nil
2020	Online FDP on python 3.4.3 (EE) (For complete list, click view file)	nil	25/04/2020	29/04/2020	9	Nil

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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
One week online FDP on Advanced Power Converters for Industrial Applications(ETC) (For complete list, click view file)	2	28/04/2020	02/05/2020	5
Introduction to Forensic Science and Digital Cyber Forensics(ETC)	2	15/05/2020	19/05/2020	5
5 days National level online FDP on Artificial Intelligence(ETC)	2	22/05/2020	26/05/2020	5
One week online FDP on Scilab(ETC)	19	04/05/2020	09/05/2020	6
One week online FDP on Moodle(ETC)	5	11/05/2020	16/12/2020	6
One week online FDP on R(ETC)	5	05/05/2020	09/05/2020	5

One week online FDP on PERL(ETC)	1	23/05/2020	27/05/2020	5
Online FDP on Internet of Things(ETC)	1	25/05/2020	29/05/2020	5
One week FDP on Artificial Intelligence and Machine Learning(ETC)	2	21/01/2020	25/01/2020	5
Cummins webclave on thoughts for a comprehensive IT Future(ETC)	1	29/05/2020	04/06/2020	7
<a href="#">View File</a>				

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
58	45	8	45

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Employee Provident Fund, Insurance Scheme, Medical Leaves, Subsidized Canteen Facility, Transport Facility, Gym facility, Sick room facility, Fee Concession for ward of faculty member admitted in the Institution.	Employee Provident Fund, Insurance Scheme, Subsidized Canteen Facility, Transport Facility, Sick room facility.	Transport Facility, Sick room facility, Subsidized Canteen Facility, Sports facility, Gym Facility, Institute Level need based and merit based scholarship, Financial aid provided by the Institution for Significant Projects

**6.4 – Financial Management and Resource Mobilization**

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

Audits in the Institute are conducted with the objective of fact findings. The accounts of the college are maintained and audited regularly by the Chartered Accountant. The institution has computerized its financial management system and all the accounts are managed by the tally software. All the details of income and expenditure are stored with the help of tally software. All the financial statements and pay sheets are prepared using the computer. The C.A undertakes internal audit. The financial documents and receipts are produced for scrutiny and all that is needful regarding the maintenance of accounts is completed within stipulated period of time.
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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

Late jaswantiben Anantraï parekh Need based scholarship	450000	To give the scholarship to economical week students.
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6.4.3 – Total corpus fund generated

3050000
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### 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	External Experts	Yes	Academic Audit Committee
Administrative	Yes	External Experts	No	Nil

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

Teacher parents meetings is arranged every semester to take the feedback and convey the performance of their wards. The tentative dates are mentioned in the academic calendar. The feedback collected from the parents is discussed at departmental level and resolved if any matter is related with the institute it is discussed with the principal and resolved.

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

1. Guest Lecture organized for all on How to live Peaceful, Stress-free, Successful Happy Life in 21st century on 25th Jan 2020. 2. Interaction with experts during External Academic Administrative Audit held on 07-Dec-2019 and during Institute Visit by expert to assess the Quality in all Aspects of the Institutional Endeavors on 28 Jan 2020. 3. Participation of non-teaching staff on yoga day celebration.

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

1. Moodle server is installed and implemented 2. centre for spoken tutorial of IIT Bombay 3. Execution of certified skill and personality development courses

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
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
2019	International Conference on Innovation in Engineering	12/12/2019	12/12/2019	14/12/2019	109

	Science, Management and Technolo gy-2019				
2020	Institute Visit by expert to assess the Quality in all Aspects of the Insti tutional Endeavors	28/01/2020	28/01/2020	28/01/2020	1887
2020	Guest Lecture on How to live Peaceful, Stress-free, Successful Happy Life in 21st century	25/01/2020	25/01/2020	25/01/2020	800
2019	Introduction of Club Hour in time	14/11/2019	14/11/2019	14/11/2019	1731
2020	table FDP on Research Methods and Data Analytics	04/01/2020	04/01/2020	05/01/2020	7
2019	NPTEL online course on Outcome based pedagogic principles for effective teaching	08/11/2019	08/11/2019	11/11/2019	85
2020	Webinar on NIRF Ranking System	30/06/2020	30/06/2020	30/06/2020	71
2019	External Academic Adm inistrative Audit	07/12/2019	07/12/2019	07/12/2019	1887
2019	Internal Academic Audit (19-20)	22/11/2019	22/11/2019	25/11/2019	1887
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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
"Women Health Hygiene Awareness program #WhatWomenWant" (ETC)	07/03/2020	07/03/2020	28	12
Awareness on Health and Hygiene by Mrs. Anusuya Kale Chhabrani, President, Swachh Association ,NGO, Nagpur	16/08/2019	16/08/2019	105	Nil
Blood Donation Camp (1st YR)	07/01/2020	07/01/2020	30	36
Guest Lecture on 'Financial Literacy- a must for every woman'	11/03/2020	11/03/2020	88	Nil
Debate on Gender Equality (EE)	19/09/2019	19/09/2019	8	7
Health Checkup camp (1st YR)	15/01/2020	15/01/2020	25	38

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

The Institute campus is clean and green with well maintained trees, bushes, lawns, landscaping's, etc. The Building Infrastructure is ultramodern and best designed for optimum illumination and ventilation. The Institute has undertaken green initiatives and has installed 150KW rooftop solar power plant in its premises, has a rainwater harvesting project has been implemented.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nil
Ramp/Rails	Yes	Nil
Rest Rooms	Yes	Nil



## 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 community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	Nil	12/06/2019	79	Facilitation Centre for First Year Engineering Admission Process and Direct Second Year Admission Process	Document verification and confirmation	371
2019	1	Nil	10/10/2019	28	RTMNU Examination	Examination	9468
2019	1	Nil	19/11/2019	3	DRDO examination by Pro skill consulting Private Ltd. (SIFI)	Examination	1194
2019	1	Nil	15/12/2019	2	IIBF CAIIB examination by Pro skill consulting Private Ltd. (SIFI)	Examination	1323
2020	1	1	03/02/2019	1	Digital India Campaign "A sensitizing awareness drive for online payments ATM Cash withdrawal" (ETC)	Awareness drive for online payments	35

2020	1	1	07/03/2020	1	"Women Health Hygiene Awareness program # WhatWomen Want" (ETC)	Women Health Hygiene	40
2020	1	1	14/03/2020	1	Mission Zero "Distribution of used notebooks for under privileged: An initiative for zero wastage of paper and campaign to spread importance of education (ETC)	zero wastage of paper and campaign to spread importance of education	32
2020	Nil	1	07/03/2020	1	Holi Milan Programme (ME)	Importance of Parental care	75
2019	Nil	1	27/09/2019	1	Global Climate Change Awareness Program (ME) (For complete list, click view file)	Impact of Climate change	75
2020	Nil	1	06/03/2020	1	Distribution of Cloths and Food Grains (ME)	Social help	75

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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)
Sankshipt 2019	08/08/2019	"Sankshipt 2019" is a hand book provided to the first year inducted

students. It contains information and Institutional details that are essential to them.

#### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Yoga Day (ETC)	05/06/2019	05/06/2019	75
Blood Donation Health-Eyecheck up Camp (ETC)	16/08/2019	16/08/2019	56
Blanket Donation (ETC)	16/01/2020	16/01/2020	30
Digital India Campaign "A sensitizing awareness drive for online payments ATM Cash withdrawal" (ETC)	02/03/2020	02/03/2020	35
"Women Health Hygiene Awareness program #WhatWomenWant" (ETC)	07/03/2020	07/03/2020	40
Mission Zero "Distribution of used notebooks for underprivileged: An initiative for zero wastage of paper and campaign to spread importance of education (ETC)	14/03/2020	14/03/2020	32
Webinar on Swachh Bharat Abhiyan(ETC)	30/05/2020	30/05/2020	226
Holi Milan Programme (ME)	07/03/2020	07/03/2020	75
Distribution of Cloths and Food Grains (ME)	06/03/2020	06/03/2020	75
Global Climate Change Awareness Program(ME) (For complete list, click view file)	27/09/2019	27/09/2019	75

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

- Solar power of 150 K. W. is installed in the campus.
- Classrooms are provided with large size windows so that natural light are sufficient instead of using the electric lights.
- Air conditioners are used only at essential places and

that too if the situation warns badly. • The UPS Batteries are being maintained in good conditions which reduces the charging current of batteries • The Institute has installed a rain water harvesting system on the campus. • Students and Faculty members organizes Tree Plantation Program every year in the campus and around nearby villages and schools. • World environment day celebration. • Lights and fans are switched off when not required. • E Waste management. Seed bomb activities by the students.

## 7.2 – Best Practices

### 7.2.1 – Describe at least two institutional best practices

Best Practice (1) ? Title: Summer internship program for the students. ? Objectives of the Practice: The first objective of this best practice is to provide exposure of onsite/practical applications of theory and practical's learned in the curriculum. Students learned theory and practical's as per the prescribed university syllabus. Technology is ever evolving system, on every given period it changes as per the need of people industries requirement. Students should be well equipped with this ongoing development in the technology. This is achieved by providing summer internship program to 4th year students. Second objective is to develop a practical and more scientific approach in students to use curriculum based learning in practical based application. This objective is achieved by this best practice where students are motivated to use theory and practical knowledge in understanding practical aspect in technical applications. ? The context: In order to provide Industry exposure to the students, the students are motivated towards practical and industrial approach of studies along with curriculum based theory and practical. Summer internships provides the Industry exposure to the students and imbibe professional qualities hence it is made obligatory for the students. The students undertake the Internships before the start of their final year academic session. ? The Practice: Summer internship is important assignment to be completed by the students. Students searched industries/start up/government projects where they want to join as inter. The departments guide the students in searching the industries as per the area of interest. In this step, students prepared their theory and practical before visiting and giving interview for the internship. Many times this ignites students mind to learn and understand practical applications of a theory or practical concept. After selection for internship, students planed their schedule according to the time slot given to student without hampering the regular curriculum studies. This makes student a professional who knows the worth of time given by some project. After successful completion of internship, student get duly signed certificate of completion of internship. This not only upgrades their resume but also improve their technical and theoretical knowledge about the subject. ? Evidence of Success: This practices gave various important gains in terms of placements, improvement in management skills of students, more practical approach to answer a technical problem etc. The placement record of students improves with the practice. An increase number of placement is observed. The students may get absorb in the project where they have undertaken their internship with good perks. ? Problems Encountered and Resources Required The Institute has functional Training and placement cell along-with departmental coordinators which helps in undertaking the Internship activities in the planned manner.

Best Practice (2) ? Title: Hobby hour and club hour in regular time table ? Objectives of the Practice: Hobby hour and club hour is an unique practice. The prime objective of this practice is to make students stress free and enjoy quality time in campus. Hobby hour and club hour facilitate students to groom their internal skills like making creative things (painting, making crafts etc), thinking out of box, feel relaxed, stress free in the hectic curriculum schedule. Secondly it gives peace of mind to students as it makes students free from day filled with learning of subject knowledge, submission of assignments,

matching the deadlines etc. This hobby hour gives them a point of relaxation from the work load and in return it boost them with energy to do better in the academic as well as non academic tasks (extra curriculum) with more interest and zeal. ? The context: Stress is found to be main hurdle in everyone life to achieve growth. Now a day students are facing extreme stress due ever changing needs required to be fulfilled to get placed in good company, deadlines given by institute and university, global recession and so on. This stress leads to anxiety and eventually at extreme cases depression. To address above issue, a hobby hour is provided to the student in regular time table. In this time slot, students is motivated to get involved in some creative things which makes they stress free. This practice makes students feel relax in study hours and boost their self value in a positive way. ? The Practice: A hobby hour and club hour is provided in regular time table. Students are motivated to groom their hobby in this duration. Students put their creations on students wall/notice to display their creativity. On republic day, independence day and Technotsav (Technical cultural festival of institute) they display their skills in anchoring, singing, dancing, skits, preparation of models etc. Students team up to prepare models in Republic Day Celebration in model making activity named as "Incredible India". This improves their team skills like distributing work among themselves, respecting others view and thoughts, time management etc. Participation of students in these activities shown to improve self believes in students to face various difficult situations in life. ? Evidence of Success: The success of this Best Practices can be indicated by increase in students participation in extracurricular activities. Students participated in various activities conducted in the campus or even out of the campus. They prepare their skits to spread awareness about women empowerment, sacrifice of soldiers, acid victims, etc. They prepare models in model making competition under "Incredible India" theme. In this they search many things before preparing the model so in that way they learn history of our great nation. They write their thoughts in poem, drama etc. This activity not only make students enjoy the college life but also improve their soft skills to face real world outside the college. ? Problems Encountered and Resources Required Time table slot is provided for the activity.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://www.sbjit.edu.in/internal-quality-assurance-cell-igac-2/#tab-id-6>

### 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

**Academics:** The Institute since its inception has evolved as an eminent academic Institution and it has been proved consistently by the results of its students in the University Examinations. It is the tradition of the institute that from last five years the semester results of the first year department first among the all affiliated institute in the university. The Institute has a track record of excelling in university semester examinations by all the departments with significant number of toppers in these examinations. The Institute not only meticulously following the University system of academics but is well focused and committed towards overall development of its students to make them highly competent in the professional world. All the departments frequently organize various seminars, workshops, webinars and guest lecturers from industry professionals and well known academicians regularly. Skill Enhancement Programmes, Value Added Courses, ADD ON Courses, Soft Skills Development Programmes, Industrial Trainings/Internships, Industrial Visits Tours and Live Industry Projects are regular happenings in the departments which are aiding in the professional growth of the students. The institute adopts the outcome based

education. The role of the faculty in this Institute is to instruct, train, facilitate, and/or mentor the students based on the outcomes targeted. The OBE process helps in gathering, analyzing and discussing information from diverse sources to develop a deep understanding of what students know, understand value and can do as a result of their academic and cocurricular experiences at the Institute. The Institute has the effective feedback mechanism which adds in continuous improvement of the program but also helps accomplish Institute's mission.

Provide the weblink of the institution

<https://www.sbjit.edu.in/academic-achievement/>

### **8.Future Plans of Actions for Next Academic Year**

- To attain Autonomous Status.
- Strengthen industry institute interaction.
- Strengthen the research activities in the institute and motivate the faculty members to undergo industrial training and promote the faculty members to undertake Research Development activities.
- To organize one International Conference on recent trends.
- To carry out additional Extension activities towards social cause.