



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

SJM INSTITUTE OF TECHNOLOGY

NH-4, BYE-PASS, P.B.NO.73, CHITRADURGA
577502

www.sjmit.ac.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

October 2018

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

S.J.M Institute of Technology (SJMIT) was established in the academic year 1980-81 with the blessings of Sri Sri Mallikarjuna Murugharajendra Mahaswamiji, the then President of SJM Vidyapeetha. Located just adjacent to the Pune-Bangalore National Highway-4, the institute is well connected with road and railway network and just 200 km drive from Bangalore. The eco-friendly campus filled with flora-n-fauna sprawled with lush green garden spread over vast of around 22 acres land, makes an ideal platform for higher education centre with homely atmosphere. SJMIT is affiliated to Visvesvaraya Technological University (VTU), Belagavi, approved by the Government of Karnataka and All India Council for Technical Education (AICTE), New Delhi. The college offers Six Undergraduate Programmes (B.E.,) and Three Post graduate Programmes (M.Tech.).

The institute is functioning with well qualified, experienced and dedicated faculty in all the disciplines. The institute possesses well-equipped laboratories and basic amenities supporting academic and students' needs. In addition, on campus it has independent hostels for boys and girls, indoor and outdoor sports facilities including gymnasium, student activities centre, cricket ground, canteen, juice parlor and several other amenities catering the needs of the students.

Central Library is located on the campus with large number of books and national and international journals cater to the academic and research needs of the students and faculty are taken care of. Central Computer Centre provides space to browse several reading and research materials till late night. The well planed campus provides platform for students' career development and opportunities during their stay in the institution.

SJMIT alumni presently occupy key positions in Industry, Government and NGOs, whose experience and expertise have been tapped for the overall development of the faculty and student community. The college offers Six Undergraduate Programmes (B.E.,) and Three Post graduate Programmes (M.Tech.).

S.J.M. Institute of Technology wishes to be a part of this big exercise of Accreditation through, National Assessment and Accreditation Council (NAAC). The institution takes pride to submit its Self Study Report (SSR) for the kind consideration.

Vision

Train and develop technically excellent and the globally proven human resources on the lines of quality, excellence and inclusiveness.

Mission

Provide world class infrastructure to enable the young prospective and practicing engineers to place themselves on gainful jobs in industry or confidently engage in self employment.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Located at the Central part of the Karnataka.
- Supportive Management and Globally placed Alumni.
- Qualified, Experienced and committed Faculty.
- Lush Green Campus
- Advanced Research and Development Facilities.
- State-of-the-art infrastructure: Class Rooms, Lab Facilities and Play ground.
- Career and Leadership Guidance
- Industry Institution Collaborations.
- Philanthropic reputation of Sri Murugha math, the parent organization.

Institutional Weakness

- ICT and R&D activities to be strengthened.
- Chitradurga being a backward District lacks Entrepreneurial opportunities.
- Lack of Collaboration with Foreign Universities/Organization.
- Faculty development and self motivation.

Institutional Opportunity

- Expansion of PG courses and R&D activities.
- Encouraging Consultancy services to Industry and Institutions.
- Collaboration with upcoming Institutions like DRDO, IISC, BARC and ISRO in the vicinity.
- Finishing School/ Evening College/Value added courses.
- Entrepreneurship Development Programmes & Awareness campaigns.
- Seeking Accreditation, Autonomy and transforming into a Deemed to be / Private University.

Institutional Challenge

- General trend of declining admissions in the country.
- Upcoming new Engineering college in the vicinity by Government of Karnataka.
- A slack in the Manufacturing sector
- Strengthening the employability lies in the hands of fast changing trends.
- Diverse socio - economic background of students and limited competitive spirits.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

SJM Institute of Technology (SJMIT) is approved by the Government of Karnataka and AICTE, Affiliated to Visvesvaraya Technological University (VTU), Belagavi, Karnataka. The Institution provides various facilities for successful implementation of curriculum to meet the vision, mission, objectives and goals. The Institution follows the curriculum and syllabi provided by the VTU and the curriculum implementation is effectively

planned based on periodic meetings conducted by the principal with all the heads of the departments. The faculty members prepare lesson plans, course files in their respective subjects and are reviewed continuously by the HODs and the Principal. As a part of continuous evaluation, institution conducts three internal tests and one preparatory examination, which help the students to know the foretaste of University Examinations.

For effective translation of the curriculum, faculty are encouraged to participate in Faculty Development Programmes, Workshops and Seminars conducted by various institutions and corporates. The Institution invites experts from industry and reputed institutions for organizing different skill development training programmes for the benefit of students and faculty.

SJMIT offers ample academic flexibility to its students to avail opportunities in choosing electives, value added courses for their benefit and moulds them to suit industry needs. The feedback and suggestions for improvement of curricula, are sought and obtained from the alumni, parents / guardians, academic peers of SJMIT and other institutions. All these feedback reports are analyzed and recommended to the University to consider during the revision of curriculum.

Teaching-learning and Evaluation

SJMIT takes efforts to serve students of different back grounds and abilities, through effective teaching-learning experiences. Use of different teaching methods and aids, engage students in higher order 'thinking' and investigation. ICT facilities are provided in class rooms. SJMIT encourages its students for internships and value added training programmes. Innovative teaching practices such as use of simulation tools in classroom, virtual experimentation etc., allow students to learn at their own pace. The emphasis of Teaching-Learning is on fostering global competencies and inculcating value system among students.

Teachers are trained to mentor the students and to provide learner-centered education. Mentors monitor the test performances, identify slow learners and counsel them and suggest for remedial classes.

The respective departments conduct activities like workshops, lectures from experts and technical competitions for their students to enhance the technical skills. The institute is encouraging the faculty members to attend faculty development programs, conferences, industry trainings, seminars etc., for upgrading their knowledge and to improve their competencies. The technological advancement and innovations in educational transactions are well undertaken by the institution to make a visible impact on academic development as well as on evaluation. Latest summative and formative assessment techniques based on technology, wherever possible, are used to evaluate attainment levels of student learning outcomes. This evaluation process is reformed and is being evolved continuously.

To improve the communication skills and aptitude level, training courses on Personality Development are conducted for students. These activities have been conducted by the in-house faculty and outside agency. Repetition classes are provided in labs. Lab tests are held at par with examination pattern at the end of semester, which will also boost up the confidence level of students to face the final exam.

Research, Innovations and Extension

SJMIT believes that the Research and day to day education go hand in hand. The institute has a Doctoral Committee to address and monitor the issues related to the research activities. Mechanical Engineering

Department has been recognized as Research Centre by Visvesvaraya Technological University (VTU) and this centre is actively engaged in meaningful research activities. The first funded project was granted from VTU Research grant for research work titled as 'Non-conventional Machining Process' and for 'Metal matrix Composites'. The research grants have been increased steadily with more faculty members participating in R&D activity and the total external funding has crossed Rs. 50 Lakhs at present which results in establishment of R&D facilities for metal forming, material processing, Non-conventional machining and measurements.

In the last five years, more than ten research scholars have registered for Ph.D programme on part time basis. More than 60 minor projects were taken up with a different funding agencies for students. The faculty have presented and published their research work in national and international conferences and journals. Industry Institution interface is created by signing up of Memorandum of Understanding (MoU) with several partners. The UG, PG and Research scholars participate in these activities at different levels. Six senior faculty members are guiding for Ph.D Scholars. To inspire faculty and students, several workshops, Faculty Development Programmes and Training Programs were conducted.

A bio-diesel plant is established in Mechanical Engineering department sponsored by Karnataka State Bio-Energy Development Board(KSBDB), one of the government organizations. Bio Diesel awareness Programmes, Bio-Diesel Production, Training and Research are conducted under this project.

Infrastructure and Learning Resources

SJMIT has a good physical infrastructure in the form of buildings with enough class rooms, laboratories, seminar halls, staff rooms, R&D centres, rest rooms etc. All these facilities are constructed as per AICTE norms with sufficient ventilation and living space for free movement of the students. The additional infrastructure facilities are created based on changes in the curriculum, introduction of new courses and research requirements. Hostel facility is provided for boys and girls separately. The RO drinking water is provided in the hostel for 24 hrs through water purifier. Medical facility is available for staff and students on the campus. The central library provides reference books, text books, non-technical books, reputed journals and e-learning resources. Library resources are made available to the students till late night, during examinations.

For uninterrupted power supply in the college campus (including hostels), three UPS systems of 30 KVA and three generators of 2x45 KVA & 70 KVA capacity have been installed in the college campus. The institute has a well-documented procedure to upkeep the laboratories. In addition, every department carries out calibration of certain equipments. The institution has outdoor and indoor play grounds and courts with sports utensils to encourage students to take part in sports activities and has successfully hosted many VTU sponsored Rest of Bangalore sports events in the Campus.

Student Support and Progression

The institution publishes its updated prospectus annually and provides all the information regarding admission, various programs, student facilities and placement information. To meet the day to day requirements of the students, the mentoring system is implemented. For every 20 students there is one faculty counselor who regularly monitors students' performances in academics. Slow learners are identified by the counselors and separate coaching is arranged through remedial classes. Special care has been taken to build confidence in such students so that they will sail along with the main stream. Progress reports of students are periodically sent to

parents. Parents' meets are conducted at the departmental level to discuss the difficulties faced by the students. Ragging has been seriously viewed by institute authorities through Anti-Ragging committee and has been brought to zero level. The student centric measures have improved the academic performance of the students reduced the dropout percentage.

SJMIT motivates students to participate in various National & International, Sports, Cultural and Curricular activities including Entrepreneurial skills. The institution has a well defined structured mechanism for career guidance and placement of its students which provides requisite training and motivates the students for research and higher studies. Besides the institution encourages the students to interact with alumni for their academic and career development support. Continuous feedback is obtained from alumni and graduating students regarding teaching learning process, placements, internships and entrepreneurial activities.

Every year institute brings out students magazine titled as 'Rainbow'. It consists of articles on vivid technical and general topics by students and faculty. Literary and artistic expressions like poems, innovative photography, drawings/paintings are also included. Further to showcase the hidden talents of students, a mega college annual cultural fest, "SPOORTHI" is conducted for three days. The students especially SC/ST, OBC and economically weaker sections receive financial assistance.

Governance, Leadership and Management

The institute has a Governing Council functioning under SJM vidyapeetha ®. The Governing Council is the apex authority in taking decisions and implementation of things relating to the vision and mission, policies, road map, development and functioning of the institute. The management provides effective academic leadership opportunities to the faculty, by setting goals and involving them in participative decision-making process to achieve the vision, mission and goals of the institution. Principal is the head of institution who along with the

Heads of the Departments has adequate autonomy in academic and administrative decision making and execution. A steering committee and IQAC are organized to monitor and evaluate all mechanisms of academic and administrative processes and ensure that the quality is initiated, promoted and sustained in every activity. The staff, students' representatives and all other stakeholders of the institution participate in framing policies and decision making at both the department and the institution levels. All quality improvement strategies are planned taking into consideration the feedback of all relevant stakeholders and deployed in a transparent and effective way. Feedback taken from stakeholders at the appropriate times, serves to give an understanding of local, global trends and future needs and helps in fine-tuning the policies to cater these needs. Management provides the necessary leadership, financial and administrative support to realize these policies. The SJM Vidyapeetha has recognized the need for decentralization, for the growth of the institution and has accorded autonomy commensurate with the level of management. Quality enhancement strategies like participation in orientation programs, seminars, refresher courses, Faculty Development Programs, paper presentations in conferences, encouraging research activities etc. are implemented for faculty development. The management extends full support to enable such empowerment programs.

Institutional Values and Best Practices

Innovational activities are the main motivation for the students to seek admission to SJMIT. These innovative practices include student's led and faculty guided initiatives with able support from the alumni members. These

activities are generally chosen by the faculty in the areas of their research leading to the Doctoral degree. Entrepreneurship Development Cell is the centre to conduct these innovative activities in the areas like energy conservation and environmental development activities. The institute has adapted several energy saving measures like switching on and off the lights, fans and electronic equipments promptly wherever needed, switching off the inverter of UPS system after office hours, use of electronic ballast for tube lights etc. Renewable energy measures such as use of solar panels, solar heaters and bio-gas are promoted both in the institute and the hostels. Recently, a roof top solar power (PV system) unit is installed with the of Hero Solar Energy Private Ltd. New Delhi, which generates the power sufficient enough to the entire college campus.

Rainwater harvesting is implemented with a strong desire to conserve water. Hazardous waste and e-waste are managed carefully. Sufficient plantation on the campus reduces carbon emission and keeps the campus green and pollution free. Composting of organic waste is done efficiently. The innovations practiced provide a progressive impact on students and are the key for the overall development and success of the institution. It promotes innovations in academics as well as in administration. Measures are taken to make the campus plastic free and pollutants free. Some of the best practises fallowed in the institution include the Body, Mind and Heart (BMH) related activities like yoga, meditation and social service activities in association with organizations like Red Cross, NSS, Rotary Club, SJM Hobby and Adventure Academy etc.,

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	SJM INSTITUTE OF TECHNOLOGY
Address	NH-4, BYE-PASS, P.B.No.73, CHITRADURGA
City	Chitradurga
State	Karnataka
Pin	577502
Website	www.sjmit.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Professor	JAGANNATHAN	08194-230877	9986520328	08194-225164	jagan_nath04@yahoo.com
Principal	B C SHANTHAPPA	08194-222866	9483190087	08194-227717	sjmitprincipal@gmail.com

Status of the Institution	
Institution Status	Private

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
Date of establishment of the college	17-08-1980

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

State	University name	Document
Karnataka	Visvesvaraya Technological University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC		
12B of UGC		

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

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	26-04-2018	12	

Details of autonomy

Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No
--	----

Recognitions

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

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	NH-4, BYE-PASS, P.B.No.73, CHITRADURGA	Rural	21.23	26037.91

2.2 ACADEMIC INFORMATION

NAAC

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Mechanical Engineering	48	PUC OR PLUS TWO	English	63	53
UG	BE,Civil Engineering	48	PUC OR PLUS TWO	English	63	59
UG	BE,Electrical And Electronics Engineering	48	PUC OR PLUS TWO	English	42	31
UG	BE,Electronics And Communication Engineering	48	PUC OR PLUS TWO	English	105	51
UG	BE,Computer Science And Engineering	48	PUC OR PLUS TWO	English	105	83
UG	BE,Automobile Engineering	48	PUC OR PLUS TWO	English	30	0
PG	Mtech,Mechanical Engineering	24	BE OR B.TECH	English	18	0
PG	Mtech,Civil Engineering	24	BE OR B.TECH	English	18	7
PG	Mtech,Computer Science And Engineering	24	BE OR B.TECH	English	18	1
Doctoral (Ph.D)	PhD or DPhil, Mechanical Engineering	48	ME OR M.TECH	English	12	8

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	0				0				0			
Recruited	15	0	0	15	14	5	0	19	46	19	0	65
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				53
Recruited	48	5	0	53
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				51
Recruited	46	5	0	51
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	8	0	0	1	0	0	3	0	0	12
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	7	0	0	13	5	0	43	19	0	87

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

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

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
	0	0	0	0	0

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	1252	10	0	2	1264
	Female	0	0	0	0	0
	Others	0	0	0	0	0
PG	Male	16	0	0	0	16
	Female	0	0	0	0	0
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0

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

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	20	26	15	20
	Female	17	18	23	6
	Others	0	0	0	0
ST	Male	14	15	16	14
	Female	15	13	9	12
	Others	0	0	0	0
OBC	Male	41	34	46	31
	Female	31	21	33	15
	Others	0	0	0	0
General	Male	82	83	78	126
	Female	65	96	78	102
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		285	306	298	326

3. Extended Profile

3.1 Program

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

Response: 707

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of programs offered year-wise for last five years

2017-18	2016-17	2015-16	2014-15	2013-14
09	09	09	09	07

3.2 Students

Number of students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1280	1372	1201	1387	1521

File Description	Document
Institutional Data in Prescribed Format	View Document

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

2017-18	2016-17	2015-16	2014-15	2013-14
225	241	242	241	207

File Description	Document
Institutional data in prescribed format	View Document

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

2017-18	2016-17	2015-16	2014-15	2013-14
316	280	278	330	386

File Description	Document
Institutional Data in Prescribed Format	View Document

3.3 Teachers

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

2017-18	2016-17	2015-16	2014-15	2013-14
99	102	103	98	100

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of sanctioned posts year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
94	113	113	113	96

File Description	Document
Institutional data in prescribed format	View Document

3.4 Institution

Total number of classrooms and seminar halls

Response: 31

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

2017-18	2016-17	2015-16	2014-15	2013-14
141.10	144.72	219.81	241.94	173.59

Number of computers

Response: 468

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

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

Response:

The College is affiliated to Visvesvaraya Technological University and the curriculum and syllabi prescribed by the University are strictly adhered. The Institute follows a very strategic approach to develop and deploy action plans for effective curriculum implementation as given below:

- Planning of Academic activities and calendar are prepared in alignment with the University issued guidelines such as Commencement of the semester, End of the semester, End Semester Examinations and Practical Examinations.
- Courses are allotted to faculty according to their area of specialization.
- Time table for the entire semester is prepared to indicate specific class and laboratory hours.
- Formulation of objective driven course plan at the beginning of the semester in-line with the university syllabus.
- Lesson plan and resources materials are prepared by faculty inline with the academic calendar.
- Laboratory manuals are prepared so that students can plan in advance and correlate with theory.
- The effective implementation of curriculum is ensured by supplementing classroom teaching with expert lectures, seminars and mini projects.
- Class representative and mentors meetings are conducted to monitor the progress of theory and laboratory courses.
- Periodical test and preparatory examinations are conducted for both theory and practical courses.
- The slow learners are identified based on their test performance and additional guidance and monitoring is provided to them.
- Bridge courses are organized and conducted for the students.
- Performances of the students are regularly communicated to their parents.
- Course files are maintained by the faculty members for the subjects handled with the following contents
 - Title page, Checklist, Time Table, Syllabus, Course Plan, Lecture Notes, Previous Question Papers of VTU with solution, Internal Test Question Papers with Answer Key and Sample Answer Papers, Assignment Papers.

Employing learner centric techniques such as assignments, group discussion, use of NPTEL videos, VTU e learning resources, projects, quiz etc., in the delivery of the academic courses.

File Description	Document
Any additional information	View Document

1.1.2 Number of certificate/diploma program introduced during the last five years**Response:** 0**1.1.2.1 Number of certificate/diploma programs introduced year-wise during the last five years**

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

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

1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years**Response:** 6.97**1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years**

2017-18	2016-17	2015-16	2014-15	2013-14
1	1	2	3	0

File Description	Document
Details of participation of teachers in various bodies	View Document
Any additional information	View Document

1.2 Academic Flexibility**1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years****Response:** 51.06**1.2.1.1 How many new courses are introduced within the last five years****Response:** 361

File Description	Document
Details of the new courses introduced	View Document
Any additional information	View Document

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

Response: 100

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

Response: 9

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

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

Response: 5.8

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

2017-18	2016-17	2015-16	2014-15	2013-14
90	82	50	85	87

File Description	Document
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	View Document
Any additional information	View Document

1.3 Curriculum Enrichment

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

Response:

The efforts made by the institution to integrate the cross cutting issues such as Gender, Environment and Sustainability, Human Values and Professional Ethics are as follows:

Gender:

- Equal opportunities are given to both the genders in terms of admissions, employment, training programmes, sports activities etc., and so gender issues do not arise.
- College encourages women faculty and students to participate in events focusing on women empowerment and promoting leadership qualities in women.
- Girls and boys participate in various co-curricular activities such as paper presentations, group discussions and technical quiz programmes. Both boys and girls are made members of various committees associated with academic, co-curricular and extra-curricular activities.
- Modules for gender sensitization are also conducted by Women Cell for both faculty and students on topics which not only emphasize the importance of virtues to be adhered to in life, including respecting women but also aims at enabling their comfort in the work place and ensuring professional growth.

Climate Change and Environmental Education:

- The Environmental Science and Engineering course is prescribed in the University curriculum itself.
- An awareness on topics related to these issues is created among students and faculty through World Environment Day celebration.
- The students are taken for industrial visits and effluent and water treatment plants and other places that will educate them on environmental issues.
- Awareness programmes are also initiated by NSS (National Service Scheme) to extensively carry out activities for environmental protection and ecological preservation.

Human Values and Professional Ethics:

- The curriculum includes courses on professional ethics and IPR(Intellectual Property Rights) and Human Rights.
- Special lectures are also arranged to create awareness on these issues.

Further, the institute takes additional efforts through NSS and Lead Cell for encouraging students to be sensitive towards social issues. In addition, NSS and Lead Cell take steps to organize Tree Plantation Programs and Blood Donation Camps.

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

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

Response: 2

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

Response: 02

File Description	Document
Details of the value-added courses imparting transferable and life skills	View Document
Brochure or any other document relating to value added courses.	View Document

1.3.3 Percentage of students undertaking field projects / internships

Response: 37.03

1.3.3.1 Number of students undertaking field projects or internships

Response: 474

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

1.4 Feedback System

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

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: A. Any 4 of the above

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

1.4.2 Feedback processes of the institution may be classified as follows:**A. Feedback collected, analysed and action taken and feedback available on website****B. Feedback collected, analysed and action has been taken****C. Feedback collected and analysed****D. Feedback collected****Response:** C. Feedback collected and analysed

File Description	Document
Any additional information	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Response: 2.85

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

2017-18	2016-17	2015-16	2014-15	2013-14
12	17	28	56	87

File Description

Document

List of students (other states and countries)

[View Document](#)

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

2.1.2 Average Enrollment percentage (Average of last five years)

Response: 70.97

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

2017-18	2016-17	2015-16	2014-15	2013-14
285	306	298	326	349

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

2017-18	2016-17	2015-16	2014-15	2013-14
432	463	464	463	396

File Description

Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

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

Response: 62.82

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

2017-18	2016-17	2015-16	2014-15	2013-14
155	145	162	117	144

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

2.2 Catering to Student Diversity

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

Response:

In every course, after the conduction of first and second internal tests, the students are classified according to their learning capabilities as slow learners and advanced learners. Accordingly, the slow learners are given additional learning assignments and corresponding arrangements are made in terms of extra classes/remedial classes.

The department conducts the bridge courses for lateral entry students. Remedial Classes are regularly conducted by the faculty beyond working hours.

Mentoring system:

For effective mentoring, each faculty is assigned with the responsibility of mentoring 20 students.

Based on mentoring, the relevant suggestions are given by the mentors to the students to improve his/her academic performance. The institution endeavors to look after the personality development of students through PDP classes, Co-curricular and extra-curricular activities and counseling.

Special programs like Soft skills training and career counseling are arranged for advanced learners.

The faculty impart career guidance to the prospective professionals in addition to classroom teaching.

Additional books are issued for advanced learners in main library as well as departmental library to

encourage them in enhancing their academic skills. They are motivated to present papers in national as well as international conferences and to publish papers in journals.

The Training and Placement cell has been active not only in arranging campus recruitment drives, but also creating job awareness and training programs to the students.

File Description	Document
Any additional information	View Document

2.2.2 Student - Full time teacher ratio

Response: 12.93

File Description	Document
Any additional information	View Document

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Response: 0

2.2.3.1 Number of differently abled students on rolls

File Description	Document
Institutional data in prescribed format	View Document

2.3 Teaching- Learning Process

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

Response:

In addition to traditional teaching-learning methods, the institute is highly interested in providing innovative methods for enriching the learning experience. The methodologies include illustration and guest lectures, ISTE seminars, field study, project-based-methods, experimental methods and group learning methods.

Lecture method is a conventional method which is commonly adopted by all the teachers. This method facilitates the teacher to interpret, explain and revise the content of the text only for better understanding of the subject by the learners. At the end of instruction of each module, the students are given with specific assignments which enrich their learning skills.

ICT enabled teaching methods have been made available in the institute. Wi-Fi facility is provided for the

class rooms and software support for arranging virtual classes. ICT enabled class room facility is made available by the Institute to a limited extent. The Teaching-Learning Process is supported with Regular Practical Sessions, access of Digital Library, online journals. LCD projectors are also used for seminars and workshops, etc., along with regular class room teaching. Accessibility of non-print (soft copies) material is made available for the students. Communication skills training facility is provided for the students to acquire proficiency in listening, speaking, reading and writing areas.

Experiential Learning:

The faculty members foster learning environment by engaging in rich experiential content of teaching through experimentation, demonstration, periodical industrial visits, organizing exhibitions as well as presenting papers.

Participative learning :

The case study method is a participatory, discussion based way of learning where students gain skills in critical thinking, communication, and group dynamics. Appropriate integration of case studies in chosen subjects is arranged by all departments in the form of mini project works.

Departments adapt Group Learning Methods with a group size of 5 to 10 in specific subjects. All Engineering Students are trained through Group Discussions, Group Projects/Assignments to promote group learning activity.

The Student seminars are mandatory in all programs offered at the institute. Usually students present seminars on emerging topics as well as state-of-the-art technologies.

Large percentage of students of UG and PG Courses attend an Internship program for 2 to 4 weeks in the industry during vacation between pre-final and final years of their programme.

Problem solving methodologies :

Interactive method of learning includes group discussion, subject quiz, seminars and group discussions with interactive sessions with question/answers. In all the courses, tutorial classes are conducted where problem solving skills of the students are developed.

File Description	Document
Any additional information	View Document

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

Response: 92.93

2.3.2.1 Number of teachers using ICT

Response: 92

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

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

Response: 20

2.3.3.1 Number of mentors

Response: 64

File Description	Document
Any additional information	View Document

2.3.4 Innovation and creativity in teaching-learning

Response:

Learning involves challenging, refining and improving understanding by being made to think hard. Sometimes, to understand new concepts and broaden perspectives, our approaches to thinking need to be creative, imaginative. In that direction, Project Work/Field Visits/Practical Classes/Illustrations are provided to the students.

Project work is mandatory for all the courses offered at the institute. The effective phases of survey, implementation, testing and report writing ensure the required project-based learning among the students. Some subjects are augmented with learning through implementation of mini-projects.

In order to impart more innovative approaches in the teaching-learning process, the institution motivates all the faculty members to attend FDPs, National and International Seminars, Conferences/Workshops organized by reputed institutions. Working prototype models are also shown in the class rooms. Role plays, simulation studies, Quiz, PowerPoint Presentations, surveys and demonstrations are also incorporated in teaching methodology. In the laboratory oriented courses, students are given the freedom to conduct certain experiments, to strengthen the theoretical concepts they are taught in the class room, under the supervision and guidance of the faculty laboratory in-charges. Variety of software tools, systems with internet down loading facility are made available to the faculty to enable them to teach certain topics through extensive simulation techniques. Apart from classroom interactions, the students undergo in-plant training, visit industries, present papers, carry out in-house projects, and take up paper publication etc., The faculties give them guidance in all such activities so that the class room learning is effectively and innovatively supplemented.

File Description	Document
Any additional information	View Document

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years	
Response: 95.53	
File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	View Document
List of the faculty members authenticated by the Head of HEI	View Document
Any additional information	View Document

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years				
Response: 8.16				
2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years				
2017-18	2016-17	2015-16	2014-15	2013-14
12	10	08	06	05
File Description	Document			
List of number of full time teachers with PhD and number of full time teachers for 5 years	View Document			
Any additional information	View Document			

2.4.3 Teaching experience per full time teacher in number of years	
Response: 11.31	
2.4.3.1 Total experience of full-time teachers	
Response: 1119.69	

File Description	Document
Any additional information	View Document

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

Response: 3.98

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

2017-18	2016-17	2015-16	2014-15	2013-14
02	00	00	01	01

File Description	Document
Institutional data in prescribed format	View Document
e-copies of award letters (scanned or soft copy)	View Document
Any additional information	View Document

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

Response: 1.51

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

2017-18	2016-17	2015-16	2014-15	2013-14
1	1	2	2	2

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

2.5 Evaluation Process and Reforms

2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level

Response:

The performance of the students is assessed at the Institute level through Assignments and Internal Assessment tests.

Three assignments per subject per semester are given and evaluated by the respective faculty members. The answers for the assignment questions will be discussed in the class room and timely submission of the assignments will also be monitored by the respective faculty members.

Further, three Internal Assessment tests are conducted as per institutional calendar of events. The institution has adapted the system of communicating attendance status along with IA marks of each student to the parents through SMS. The final IA marks are brought to the notice of each student and even displayed on the department notice board for the reference of students.

However, at the end of the semester, laboratory internal exams are conducted and evaluated at department level and the University conducts final practical examinations norms.

The institution has introduced the system of conducting Preparatory Examinations for all the students at the end of every semester. The Scheme and solutions of the preparatory question papers are provided to the students immediately after the exam of each subject is over so that each student can get to know to the quantum of correct and incorrect answers. This approach not only helps the students to correct himself / herself the incorrect answers, but also boosts up the confidence level to score good marks besides helping them to have the pre-exam experience.

File Description	Document
Any additional information	View Document

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

Response:

The institution effectively implements the evaluation reforms of the university and that of the institute to ensure total transparency in the evaluation methodology.

The calendar of events for each semester showing the schedule for conduction of IA tests, Preparatory examinations, Laboratory examinations, Final theory examinations etc., is prepared inline with the University's calendar of events prior to commencement of the semester. This is brought to the notice of the students and parents during orientation day programme and displayed on each department notice boards for the awareness of faculty and students.

Three internal assessment tests are conducted per semester as per the calendar of events, the third being an improvement test. Internal test question paper is set for 25 marks (old scheme) and the time allotted is 1 hour.

VTU examination pattern is followed while conducting IA tests. The evaluated blue books are shown to students, answers to the same will be discussed for clarifications and the IA marks are displayed on notice board. Under Choice Based Credit System (CBCS) implemented from Academic year 2015-16, out of 20 IA marks, 15 marks is considered from test performance by taking best of two tests while 5 marks is considered from assignments/quiz/seminars etc.

As per 2017-18 CBCS scheme, out of 40 marks allotted for IA, 30 marks is considered by conducting three internal tests and by taking the average marks of all the three tests while 10 marks are considered from assignment/quiz/seminars etc. The regularity of the students is also monitored besides his/her experimental skills in the laboratory

The students have to present technical seminars, project seminars in final semester as per university curriculum for which IA marks are allotted and displayed on notice board. Apart from this, a few departments conduct mini projects for pre-final year students under the guidance of faculty and such mini project reports will be evaluated by the concerned faculty.

File Description	Document
Any additional information	View Document

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

Response:

The examination is conducted as per the norms of the university.

At the Institute level:

Carrying unauthorized material during exams: If a student is found carrying unauthorized material like chits, electronic gadgets like tablets, calculators, mobile phones, smart watches etc. or if he/she is found to have scripting on any part of the body will be checked by invigilators and university flying squad. If any of such cases are found, they will be booked under mal-practice case and the necessary action will be taken by the university after ensuring the depth of the malpractice.

To maintain transparency in conduction of examinations, all the examination halls are under the surveillance of closed circuit cameras.

Grievance cell at the Institute functions to attend all grievances of students for their betterment.

At the University level:

If the student has scored less mark than expected, university has a provision to apply on-line, for reevaluation of his/her answer scripts. The students can even apply for a photocopy of his/her answer scripts so that they can be evaluated by their concerned faculty to ensure the probability of getting the expected marks. The photocopy is mailed to the e-mail id provided by the students.

File Description	Document
Any additional information	View Document

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

Response:

The affiliating university prescribes the calendar of events for a semester. The institute plans the number of working days per semester as per calendar of events.

The academic calendar of the Institute is prepared well ahead of commencement of each semester.

The Internal Assessment test is planned as per the guidelines of university.

As an innovation technique in teaching and learning process of engineering course, a novel approach of conducting the preparatory examination in the interest of students is adapted which is even though not prescribed by the university. Hence to accommodate the preparatory examination schedule, the institute plans number of working hours per semester always over and above the stipulated hours prescribed by the university so as to cover the portions well in advance (five hours per subject per week as against four hours per subject per week). Faculty members keep a record of the effective utilization of the teaching hours and the process is regularly monitored by the HODs and also by the Principal.

File Description	Document
Any additional information	View Document

2.6 Student Performance and Learning Outcomes

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

Response:

Program Outcomes, Program Specific Outcomes and Course Outcomes for all programs offered by the Institution are carried out as per VTU norms and displayed on the Institution website.

The learning outcomes are made aware to the students and teachers through the following ways.

- Program Outcomes, Program Specific outcomes and Course Outcomes are brought to the notice of staff, students and parents through the institutional website under different department profiles.
- The students are provided with syllabus copy on the day of admission in which the course outcomes (COs) are clearly mentioned.
- The orientation program is conducted before commencement of program through which the

Program Outcomes, Program Specific outcomes are conveyed to the students and their parents.

- The departments take steps to convey the Course Outcomes, Program Outcomes and Program Specific Outcomes through the faculty i.e. by conducting introductory classes before starting the actual curriculum.
- The Course Outcomes (COs) are also displayed on laboratory notice boards and printed in laboratory manuals.

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

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

Response:

The process of attainment of COs, POs and PSOs starts from writing appropriate COs for each course of the program from first year to final year in a four-years engineering degree program. The course outcomes are written by the respective faculty member. Then, a correlation is established between COs and POs in the scale of 1 to 3. A mapping matrix is prepared in this regard for each course in the program.

The CO attainment levels can be measured based on the results of the internal assessment and external examination conducted by the university. This is a form of direct measurement of attainment. As per the university norms, three internal assessment tests are conducted for each course in a semester. In each test, the percentage of students who achieve a set target (60% of the maximum marks) for the COs that are covered is computed in addition to assignment marks. Thus, the percentage of students attaining all the COs decides the CO attainment level.

Similarly, after the declaration of the university results, the percentage of students who attained the COs is computed. Here, it is assumed that the questions answered by a student cover all the course outcomes defined for that course. As per the discussions in the meeting of senior faculty members held on setting the target attainment level (percent of marks scored by a student in a course) the course attainment level is set to 40% as the university results of the course in the institute in the past three years for few subjects is less compared to the average pass percentage of the university.

Overall Course Outcome Attainment The overall CO attainment level in each course is computed by considering 50% of CO attainment level in IA tests and 50% of CO attainment level in SEE .

Attainment of POs

It is required to compute the attainment levels for PSOs in addition to computing attainment of POs. Program Outcomes and 'Program Specific Outcomes' are attained through the attainment of COs. This is called direct attainment of POs and PSOs. The overall CO attainment value and the CO-PO mapping values are used to compute the attainment of POs. Similarly, the overall CO attainment value and CO-PSO

mapping values are used to compute the attainment of PSOs.

Finally, the levels of attainment of POs and PSOs for each course of the program are compared with the target level and suggestions are given to improve towards the target level by modifying COs.

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

2.6.3 Average pass percentage of Students

Response: 90.8

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

Response: 316

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

Response: 348

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

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.33

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

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

Response: 23

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

2017-18	2016-17	2015-16	2014-15	2013-14
0.00	0.00	0.00	3.00	20.00

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

3.1.2 Percentage of teachers recognised as research guides at present

Response: 6.06

3.1.2.1 Number of teachers recognised as research guides

Response: 6

File Description	Document
Any additional information	View Document

3.1.3 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

Response: 0.05

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

Response: 01

3.1.3.2 Number of full time teachers worked in the institution during the last 5 years

Response: 100

3.2 Innovation Ecosystem

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

Response:

SJMIT- Information Technology- Incubation Centre was established in the year of 2002-03 and funded by IT- Department, Government of Karnataka. SJM Vidyapeetha® provided land and building for the development of Information Technology- Incubation centre (IT-IC).

Objectives of SJMIT-IT IC:

- To provide all kinds of supports and guidance to entrepreneurs by providing the information about their project.
- To encourage the entrepreneurs to gain essential knowledge.
- To take up the IT related projects.
- To provide Training facilities.

Along with the above programmes, IT-IC helps the trainees for recruitment in the field of software and hardware engineering like,

- Preparation of Resume
- Establishing the online examinations/tests
- Communications skills
- Aptitude Tests
- Project study and development.

SJMIT IT-IC developed the EDSAT program, under ISRO helping Trainees to have online conversation with different resource persons in the field of Technology. Several ISTE (Indian Society for Technical Education) seminars and awareness programmes are conducted to know the recent development in the field of IT for trainees. SJMIT IT-IC has also assisted KAMPA (Karnataka state Medicinal Plants Authority), Bangalore, for the conduction of seminar on "Cultivation of Medical Plants " at Chitradurga. SJMIT IT-IC had the plans to approach the District Administration for undertaking some of the project works in the Training/ Awareness programmes..

SJMIT IT-IC has generated income for bearing its maintenance costs by conducting Training programs and the same was utilized for the expenses.

The following activities are also carried out in the centre,

1. Technical Inspection of Concrete core cutter with Generator equipment supplied by M/S L.S. International, Bangalore for the PWD, Chitradurga.
2. Testing and Calibration of Electrical Instruments from the Larsen & Toubro Limited which are used for Hospet - Chitradurga Road project.
3. Testing of 3 Phase Welding Transformer of Sri Mathrushree Fabrication, KIADB Layout, Chitradurga.
4. Two days Computer Training program for the BESCO Employees under the agency MAD Tech Solution, Bangalore on 5th & 6th of Feb, 2015.
5. Third party Inspection of the Software installed in the Co-operative Bank of Chitradurga district on 31-07-2015
6. Skill Development Program for Unemployed youths of Rural Chitradurga district in association with Department of Industries and Commerce from 01-12-2015 to 31-12-2015.
7. IIBF-BC-BF Examination were conducted for the Bank employees of Chitradurga district in association with NSEIT Ltd, Mumbai on 08-12-2015 and 29-12-2015.
8. Inspection of Computers Configuration of Zillah Panchayat, Chitradurga on 29-12-2015.
9. Mechanical Engineering Department with Karnataka State Bio-energy Development Board and District Bio-fuel information and Demonstration Centre has conducted awareness programmes and Training programmes during the year 2013-14 for 110 Engineering, 150 ITI, 120 Polytechnic, 530 Government High Schools Students and 40 Village Women beneficiaries.

File Description	Document
Link for Additional Information	View Document

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

Response: 24

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

2017-18	2016-17	2015-16	2014-15	2013-14
05	04	10	05	00

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

3.3 Research Publications and Awards

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

Response: Yes

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

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

Response: Yes

File Description	Document
e- copies of the letters of awards	View Document
Any additional information	View Document

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

Response: 0

3.3.3.1 How many Ph.Ds awarded within last five years

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

Response: 06

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

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

Response: 0.51

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

2017-18	2016-17	2015-16	2014-15	2013-14
27	07	11	02	04

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

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

Response: 0.68

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

2017-18	2016-17	2015-16	2014-15	2013-14
16	10	11	12	19

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

3.4 Extension Activities

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

Response:

The following activities are carried out in the Institution to impact and sensitize the students about social issues and holistic developments.

1. Initiative in cleaning the neighborhood on 02-01-2013 at Chitradurga city area with 120 participants.
2. Blood donation camp at SJMIT Campus on 2 -10- 2013 with 180 participants.
3. PDP and Orientation Program on 22-03-2013 at SJMIT Auditorium for 381 participants.
4. PDP Program on 02-12-2013 at Mechanical seminar hall for 85 participants.
5. Blood donation camp by LEAD on 05-2-2014 at Basveshwara Medical College.
6. Awareness about Eco-friendly Idols on 05-09-2014 at Chitradurga city with 75 participants.
7. 50 students attended "LEADership Program" conducted by LEAD at Hubli, from 2nd - 12th July, 2015.
8. LEAD Orientation program conducted on 25-09-2015 at STEP, SJMIT for 200 participants.
9. International Women's Day celebration on 08-03-2016 at SJMIT Campus with 100 participants.
10. 3Kms Marathon titled as "RUN FOR SHE" on Women's Day (08-03-2016) with 300

participants

11. SJMIT Students attended a program "LEAD PRAYANA" from 23rd Jan, to 6th Feb, 2016.

12. Orientation Programme for freshers on 11-3-16 at STEP, SJMIT for 321 participants.

File Description	Document
Any additional information	View Document

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

Response: 3

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

2017-18	2016-17	2015-16	2014-15	2013-14
01	00	01	01	00

File Description	Document
Number of awards for extension activities in last 5 years	View Document
e-copy of the award letters	View Document

3.4.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

Response: 21

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
06	05	04	02	04

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

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

Response: 13.98

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

2017-18	2016-17	2015-16	2014-15	2013-14
136	0	120	109	630

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

3.5 Collaboration

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

Response: 40

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

2017-18	2016-17	2015-16	2014-15	2013-14
17	10	11	1	1

File Description	Document
Number of Collaborative activities for research, faculty etc	View Document
Any additional information	View Document

3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 15

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

2017-18	2016-17	2015-16	2014-15	2013-14
4	2	3	1	5

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

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.

Response:

SJMIT is committed to provide best infrastructure, to meet the requirements necessary for imparting Technical Education as prescribed by statutory bodies.

The policy for infrastructure management is framed considering the guidelines of statutory bodies having scope for procurement or building of infrastructure up gradation, utilization, safety, maintenance, insurance, modernization and removal of obsolescence etc.,

At present Institution has wide campus spread over 22 acres with buildings plans for smart class rooms, well stocked library, staff rooms, toilets, seminar halls, hostel facilities for boys and girls, playground, gymnasium and auditorium. The college has adequate class rooms and well equipped laboratories/workshops, seminar halls for conducting UG and PG programs for each Departments.

In addition, The institution has separate rest rooms for girls and boys. Facilitates for organizing cultural events, special lecturers, leadership and entrepreneurship training programs etc. have been provided.

Considering physically challenged students, provisions of ramp and wheel chairs are made. For such students, most of the class rooms are in ground floor.

Health care facilities for students and staff are provided at Sri Basaveswara Medical College within the premises, which is the sister institute of our esteemed Vidyapeetha. Further, provisions for facilities such as placement cell, women's cell, driving school, canteen, ATM and Xerox centre are made within the campus. Departmental consultancies and well funded R & D centre are run by well qualified faculty members.

A central administrative block is newly built on the campus which has provision for executive chambers and conference halls.

A fleet of modern buses are maintained to provide transport facilities for students and staff covering distant places of entire city.

Laboratories and computing equipments

All the departments of the Institution are fully equipped as warranted in the curriculum. Every department has computer facility with latest software to meet their own requirements of major project/mini projects and research activity.

In addition to the regular curriculum, students are encouraged to pursue their study/project work in the emerging areas of research.

All the first year students of the Institution are provided with general computer education in addition to the necessary specialized training in the specific programme subjects.

The Institute has provided more than 460 computers in all the departments for day-to-day usage by the students and faculty. Every department has its own computing facilities to meet the curriculum needs. Laptops are also made available with the departments for faculty usage. Desktop Computers are also provided in staff rooms and departmental library. Every department is provided with LCD projectors, Laptops and Overhead projectors for computer aided teaching. Internet facility is provided.

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

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

Response:

The institution has sufficient infrastructure for sports and both in door and out door games. separate spaces are provided for Gymnasium, Yoga centre and Cultural activities.

Out Door Game Facilities

The institution has two play grounds spread over an area of 4 acres, comprising two tracks of 200 m. One play ground (9025 sq.m) is accommodated for the following outdoor games

- Football ground (4800 sq.m)
- Volleyball court (162 sq.m)
- Handball court (800 sq.m)
- Kho-Kho court (432 sq.m)
- Soft ball ground (6650 sq.m)

Other play ground (6650 sq.m) is accommodated for Athletics and cricket. Facilities for kabaddi (130 sq.m), basket ball (700 sq.m) and tennis (665 sq.m) are also provided at different locations in the campus. Facilities for field events like Javelin Throw, Shot-put, Hammer Throw, Discus Throw and Jumps etc., are also provided.

Indoor Game Facilities

- The institution has facility for Indoor games such as table-tennis, carom and chess in the campus in built area of about 423sq.m. The gymnasium centre (120sq.m) is also provided in the campus.
- The institution has a fully competent and qualified Physical Director to train the students to participate in events conducted by the State/University.
- Students are trained well in sports and games. There is one separate sports Cell to train students on

different sporting aspects.

Facilities for Cultural activities

Co curricular activities such as Yoga and the various cultural activities of the college are conducted in STEP building and auditorium.

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

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

Response: 35.48

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 11

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

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

Response: 28.77

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

2017-18	2016-17	2015-16	2014-15	2013-14
30.00	65.00	61.00	43.14	55.70

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

4.2 Library as a Learning Resource

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

Response:

The entire library is automated using computer systems. The Digital Library is provided with NewgenLib 3.0 version software with 8.0 TB storage. This software supports MARC 21 and AACR 11 cataloging. The institute library has a membership of VTU consortium and provides web access to books, e-journals, Periodicals, theses and dissertations. Transactions are automated by using bar code reader.

The following features can be accessed from any computer within the campus

- Availability of books by subject wise / author wise
- Account information like books taken and due date for returning
- Penalty amount to be paid for delay of returning books
- Access to the e-resources

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

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

Response:

As per the requirements of curriculum and demands made by the students and faculty, the department of Library makes arrangements to procure the required number of titles and volumes.

Further, the users avail the facility of accessing e-journals as well as the reprographic facilities in order to meet their requirements. At regular intervals, the librarian collects the recommendations from faculty and students. The central library keeps updating the collection of rare books.

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

4.2.3 Does the institution have the following:

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

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: C. Any 2 of the above

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

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

Response: 13.96

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

2017-18	2016-17	2015-16	2014-15	2013-14
12.20	7.67	24.71	4.65	20.56

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

4.2.5 Availability of remote access to e-resources of the library	
Response: Yes	
File Description	Document
Any additional information	View Document

4.2.6 Percentage per day usage of library by teachers and students	
Response: 40.75	
4.2.6.1 Average number of teachers and students using library per day over last one year	
Response: 562	
File Description	Document
Any additional information	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi
<p>Response:</p> <p>The institution has updated the IT infrastructure by replacing the old computers depending upon the requirements as per new Curriculum of university. The institute has 468 Computers well connected to the Internet. The Campus has 30 MBPS bandwidth for Internet facility. Besides, Wi-Fi facility in the departments is provided for the students and faculty members. IT infrastructure, computing & communication resources offer students the facilities of e-mail, net surfing, up loading and down loading of web based applications besides helping them in preparing for project works & Technical Seminars. The campus has the browsing centre for the students at Library also. The institution provides facility to students to access research papers, e-journals like IEEE, Springer, Science direct, Elsevier, etc.</p> <p>Details of hardware and software resources available in the campus are as follows:</p> <p>Hardware:</p> <p>All computers are connected through LAN with 10 to 100 MBPS line. For Internet connectivity, 30 MBPS bandwidth is made available with the Wi-Fi facility for all departments.</p>

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

4.3.2 Student - Computer ratio

Response: 2.74

File Description	Document
Any additional information	View Document

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

>=50 MBPS

35-50 MBPS

20-35 MBPS

5-20 MBPS

Response: 20-35 MBPS

File Description	Document
Any additional information	View Document

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

Response: No

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

4.4 Maintenance of Campus Infrastructure

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

Response: 21.63

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

2017-18	2016-17	2015-16	2014-15	2013-14
48.48	44.46	38.85	35.96	18.27

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

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

Response:

The Institution has implemented proper mechanisms for maintenance and up keeping of the infrastructure, facilities and equipment of the Institute.

- Institute has skilled non-teaching staff and attenders for maintenance and repair of infrastructure.
- Round-the-clock services of a carpenter, electrician and a plumber are available in the campus.
- The civil works maintenance is monitored by the Civil Engineering Department.
- Electrical maintenance is monitored by the electricians appointed for the purpose. Electrical Engineering Department is looking after all the Electrical maintenance of the campus.
- The Computer science & Engineering Department looks after the maintenance of the computers in each department.
- The laboratory attenders ensure clean working conditions in the laboratory and maintain the cleanliness of the apparatus.
- For certain sophisticated instruments, more importance is given for maintenance.
- Two Generators each having the capacity of 70 KVA, and three UPS systems each of capacity 30 KVA to ensure the uninterrupted power supply in the campus during power failure.
- The computers, laptops, LCD, UPS, printers, air conditioners and generators are repaired by the out source personnel.
- The maintenance of Science laboratories is taken care of by the laboratory assistants.
- The Electrical & Electronics Engineering Department takes care of voltage maintenance as the campus is provided with H T facility.
- The labs are provided with voltage stabilizers and UPS of required capacity to safe guard computers, equipments and Air conditioners.
- The campus has over head tanks of sufficient capacity at required points to cater the needs of departments and hostels.
- Continuous water supply is ensure by three bore wells in the campus whose maintenance is carried out by helpers.
- Enough security is provided for entire campus.

- The cleanliness of class rooms is maintained at regularly.

File Description	Document
Any additional information	View Document

NAAC

Criterion 5 - Student Support and Progression

5.1 Student Support

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

Response: 51.63

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

2017-18	2016-17	2015-16	2014-15	2013-14
884	866	716	539	418

File Description	Document
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	View Document
Any additional information	View Document

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

Response: 0.34

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

2017-18	2016-17	2015-16	2014-15	2013-14
7	2	3	4	7

File Description	Document
Any additional information	View Document

5.1.3 Number of capability enhancement and development schemes –

1. For competitive examinations
2. Career counselling
3. Soft skill development

- 4. Remedial coaching
- 5. Language lab
- 6. Bridge courses
- 7. Yoga and meditation
- 8. Personal Counselling

A. 7 or more of the above

B. Any 6 of the above

C. Any 5 of the above

D. Any 4 of the above

Response: B. Any 6 of the above

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

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

Response: 22.96

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

2017-18	2016-17	2015-16	2014-15	2013-14
315	323	283	294	333

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

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during

the last five years

Response: 15.16

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

2017-18	2016-17	2015-16	2014-15	2013-14
115	495	227	85	87

File Description	Document
Details of the students benefitted by VET	View Document
Any additional information	View Document

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

Response: Yes

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

5.2 Student Progression

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

Response: 25.46

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

2017-18	2016-17	2015-16	2014-15	2013-14
50	105	108	56	70

File Description	Document
Self attested list of students placed	View Document
Details of student placement during the last five years	View Document

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

Response: 5.38

5.2.2.1 Number of outgoing students progressing to higher education

Response: 17

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

5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 80

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

2017-18	2016-17	2015-16	2014-15	2013-14
00	01	03	01	01

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

2017-18	2016-17	2015-16	2014-15	2013-14
08	01	03	01	01

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

5.3 Student Participation and Activities

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

Response: 17

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

2017-18	2016-17	2015-16	2014-15	2013-14
01	03	08	03	02

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

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

Response:

In the present competitive world, to face the global challenges, the overall development of the students from various perspectives is the need of the day. To encourage students to prepare for such challenges and to acquire the required experience, they are involved in various academic and administrative committees of the institution.

The involvement of the students starts from the selection of class representatives to their representation in all the committees formed in the institution. The role of class representatives is to participate in CR's and Mentors' meetings conducted regularly where they can express their academic and non-academic issues on behalf of their class.

The various academic or administrative committees are formed for the welfare of the students and institution.

The following are the different committees formed.

- Sports committee
- Anti-Sexual harassment Committee
- Anti –Ragging committee
- Grievance Redressal committee
- Women's cell
- NSS committee
- IQAC Committee
- Cultural Committee

Meetings of each committee are regularly conducted pertaining to their requirements and plans for execution of the same.

File Description	Document
Link for Additional Information	View Document

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

Response: 42.4

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

2017-18	2016-17	2015-16	2014-15	2013-14
41	40	46	44	41

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

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the

development of the institution through financial and non financial means during the last five years**Response:**

SJM Institute has the registered association of its alumni. The main objective of this association is to enroll all alumni as the members of the association and facilitating active participation of them in appropriate activities, events and initiatives of the Institute.

Alumni feedback forms are uploaded in the website and alumni members regularly interact with institute authorities and appraise their valuable feedback.

Alumni members also occasionally keep visiting the institution as well as the hostels and interact with students. They even collect the feedback from the students regarding quality of food and accommodation. Mean while they give suggestions to the students. The alumni association has involved in the conduction of various activities like Personality Development Programmes, Placement, Industrial visit and Training, Sapling of plants etc.,

Mentorship: Alumni can play an active role in voluntary programs like mentoring students in their areas of expertise and assist the students in securing suitable jobs.

Career Guidance: The carrier guidance programs are also organized by Institute by inviting alumni from reputed university and industries. Alumni are a huge talent pool whose guidance can be beneficial to many students and other fellow-alumni in their respective areas of study.

The alumni members contribute funds through the association. The funds contributed so are utilized for procuring Laptops, Lab equipments.

Some of the alumni members directly contribute the required equipments to the Institution.

File Description	Document
Link for Additional Information	View Document

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

? 5 Lakhs

4 Lakhs - 5 Lakhs

3 Lakhs - 4 Lakhs

1 Lakh - 3 Lakhs

Response: 1 Lakh - 3 Lakhs

File Description	Document
Any additional information	View Document
Alumni association audited statements	View Document

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

Response: 9

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

2017-18	2016-17	2015-16	2014-15	2013-14
1	2	2	2	2

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years	View Document
Report of the event	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution

Response:

The main focus of the institution is to empower students with sound knowledge, wisdom, experience and training both at the academic level of Engineering and in the highly competitive global industrial market. Keeping in view the vision and mission statements of the institution are prepared to achieve the goals. These are then implemented by various committees of the institution under the guidance of Top management, Principal & Heads of various departments in an effective way.

Vision

Train and develop the globally excellent technical human resources on the lines of quality excellence and inclusiveness.

Mission

Provide world class infrastructure to enable the young prospective and practicing engineers to place themselves on gainful jobs in industry or confidently engage in self employment.

The mission statement provides a backdrop or perspective to all the activities such as classroom teaching, research work, field action projects, extension work and co-curricular activities etc. Further, the aims and objectives of the Institute are built in consonance with the mentioned mission statements.

The Executive Committee of SJM Vidyapeetha, Governing Council of the Institute and the College Council are the bodies mandated to formulate plans and policies in accordance with the vision and mission of the Institute.

The mission of the Institute provides for the development of highest quality resources for the services of the nation and globe for the undergraduate and postgraduate students, besides providing Research and Development opportunities to the faculty.

The Institution has Launched several field projects to bridge the gap between the industry and institution classroom and community in the context of ethics and profession in collaboration with Government and Non-Governmental organizations.

The Institute has put together an excellent combination of human resources and physical infrastructure for imparting high quality education. Its faculty members are well qualified and committed. It has library with well-stocked books and has good physical infrastructure. Leadership functions of the Head of the Institution

It provides directions and perspective plans for the growth of the institution and financial planning in the form of budget.

It ensures end results by periodical monitoring.

Motivating faculty for pursuing the research and providing excellent R&D environment.

Counseling students regularly and motivating them for conceptual learning.

Institution Governance

The Governance of the Institution is in accordance with the Organogram. SJM Vidyapeetha is the apex body with Institution Governing Council as the supreme body for the college. The head of the Institution, that is, the Principal is assisted by various committees like IQAC, Sports and Cultural Committee, Anti-ragging Committee, etc.,

The Faculty members actively participate in department level meetings. The Principal regularly conducts meetings to discuss various issues. All such issues are addressed by the Heads of the Departments with their respective faculty for proper implementation.

File Description	Document
Link for Additional Information	View Document

6.1.2 The institution practices decentralization and participative management

Response:

The Institution's organogram itself clearly depicts the decentralized governance where in the authority and responsibility are delegated and distributed from higher level to the lower level. It believes in promoting the culture of decentralized governance with well-defined inter-relationships.

All the Departments of institute are under the supervision of Principal. Day-to-Day academic activities are monitored by the Principal through regular meetings with the concerned HODs. Further, the departmental meetings are also conducted by concerned HODs along with their Faculty and staff members regarding Departmental activities.

The following Cells/Committees are formed to decentralize the academic and administrative activities.

- IQAC
- NSS Committee
- Women's cell
- Grievance and Redressal Committee
- R&D Committee
- Training and Placement Committee
- Library Committee

Participative management

The institute promotes a culture of participative management by involving all the employees of institute. The employees at all levels are encouraged to contribute ideas towards identifying and setting organizational-goals and other decisions.

At Principal level

The Governing Council along with Principal are responsible for academic, non-academic and administrative activities of the institution. They give suggestions and monitor the procurement of equipments, introduction of new programs and conduction of welfare activities in order to fulfil the Vision and Mission of the institute.

At Department level

The departmental meetings are conducted regarding allocation of workload among the teachers and staff, pattern of assignments, conduction of seminars, workshops, Cultural programmes etc.

At Faculty level

The Faculty of all the departments are involved in various cells/committees framed by the Institute in order to share their knowledge and abilities. They are encouraged to develop leadership skills by being in-charge of various academic, co-curricular, and extra-curricular activities.

Case Study: Institute's Academic Calendar

The Principal, Dean (Academic) and HODs of all the branches prepare the Academic Calendar of Events before commencement of classes for every semester. To carry out the various events in a systematic way and to improve the academic strength of the Institution, the academic calendar is prepared.

The institute's calendar of events reflects the following.

The date of commencement, last working day, schedule of internal assessment tests, preparatory examinations, schedule of class representatives and mentors' meetings, scheduling of displaying and communicating IA marks and attendance status to the parents, schedule of parents meeting, conduction of workshops, seminars by the departments, celebration of various National & State level Festivals etc.

The events mentioned in the academic calendar are successfully executed.

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

6.2 Strategy Development and Deployment

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

Response:

The development of college is a consistent ongoing process. The Management, Principal and HODs put much efforts to improve the quality of Institute keeping in view the Perspective/Strategic plans. Once the plans are approved by the higher authorities, the each department entrusted to execute work on their strategic plans.

The major resources that the Institute currently has

- Well qualified and experienced faculty members.
- Good infrastructure facilities with well equipped laboratories.
- Advanced Research & Development Centre.

Perspective Plans for the development of Institute are:

- Expansion of Research & Development Centers by adding sophisticated equipments to promote the research interest and publication activities among faculty and students.
- Upgradation of Incubation Centre.
- Improving consultancy services and enhancement of value addition activities like Technical and General skill development.
- Promoting Self-employment oriented Entrepreneurship development programs.
- Offering Value added certification courses.
- Strengthening the Industry-Institute interaction.
- Counselling for the students
- Getting 2(f) and 12B status from the university.
- Getting an autonomous status etc.

Activity successfully implemented: Mentorship

The institute allots the mentors for a group of 20 Students in all sections and semesters of all the departments. The role of mentors is to enhance the students' academic achievements, Personal growth and Career, employment opportunities, resolving and avoiding potential problems etc., The mentorship activity also helps students to blossom and realize their true potential. The mentors hold weekly meetings to discuss about the progress of studies and any problems they are facing. The parents are kept informed about their wards' performance through phone calls and SMS.

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

6.2.2 Organizational structure of the institution including governing body, administrative setup, and

functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

The institute was established by the SJM Vidyapeetha Bruhanmath ,Chitradurga and offers programs in the field of Technical Education. It was established in the year 1980. The Institute is affiliated to Visvesvaraya Technological University (VTU) and approved by All India Council for Technical Education (AICTE), New Delhi.

1. The Governing council is the supreme authority for policy making and implementation in the institute.
2. The Principal is the member secretary of the Governing council. The Principal brings to the notice of the above body about the functioning of the institution and acts as a catalyst between Management, Staff and students.
3. The College Management discusses various aspects in detail and makes the necessary strategies and plans to keep up the quality of education.
4. The Institute has constituted several bodies/forums/committees which monitor different activities of the Institute as per the Organogram. A committee comprising of Principal, HODs, faculty/staff and Administrative Staff. The students are involved in the planning and implementation of such committees. The various bodies under principal as chairperson are listed below.

List of Committees

- IQAC
- Anti-Ragging Committee
- Entrepreneurship Development (ED) Cell
- Alumni Association
- Women's cell
- Library Committee
- NSS Committee
- ISTE Cell
- Overall Result analysis & Improvement committee
- Research & Development Committee

The functions of major committees for instance are as follows.

Research & Development Committee:

- Supporting and developing distinctive competencies of faculty members and students to build a new generation of researchers.
- Transferring and appropriating modern Technology to fit with the local environment, for the purpose of nation development.

Entrepreneurship Development (ED) Cell:

- To provide a platform for interaction with entrepreneurs.
- To impart Entrepreneurial education/skills among students through various training and exercises.

The service rules, procedures, recruitment and promotional policies are framed by the management authorities from time to time.

Grievances of the Staff and the students are redressed appropriately through grievances and redressal cell to create an environment conducive for learning.

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

6.2.3 Implementation of e-governance in areas of operation

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

- A. All 5 of the above
- B. Any 4 of the above
- C. Any 3 of the above
- D. Any 2 of the above

Response: D. Any 2 of the above

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

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

Response:

Various committees are formed in the institute and the effectiveness of committees is shown as evidence through minutes of the respective committee's meetings and

List of Committees

- IQAC
- Anti-Ragging Committee
- Entrepreneurship Development (ED) Cell
- Alumni Association
- Women's cell
- Library Committee
- NSS Committee
- ISTE Cell
- Overall Result analysis & Improvement committee
- Research & Development Committee
- Grievance Redressal Committee

The successful implementation of one of the above committees is illustrated as below

ISTE Cell

The Main goal of the Cell is to organize the Technical Seminars and Workshops for students and faculties by the expert resource persons from the research centers, industries, other reputed organizations etc. Each department has an ISTE faculty coordinator as well as student coordinator whose responsibility includes making arrangements for the successful conduction of seminars and workshops in their respective departments.

The objectives of the cell are:

- Providing quality training programs to teachers and administrators of technical institutions to update their knowledge and skills in their fields of activity.
- To assist and contribute in the production and development of top quality professional engineers and technicians needed by the industry and other organizations.
- Providing guidance and training to students to develop better learning skills and personality.

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

6.3 Faculty Empowerment Strategies

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

Response:

The College Management provides the following welfare activities for the Faculties and non-teaching staff:

- SJM Vidyapeetha provides concession of 50% in tuition fee for children of institution employees who are admitted in the institution.
- A 50% Concession is provided for medical treatment to employees of the Institute in Basaveshwara Hospital run by SJM Vidyapeetha.
- The Institute provides study leaves to pursue higher education to the deserving teaching faculty.
- Salary advances to the needy staff.
- Price concession in Canteen.
- Employee Welfare Fund(EWF)
- Personal loans, Vehicle loans, Home loans are provided by SJM Co-Operative society to the employees of the institution.

File Description	Document
Any additional information	View Document

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

Response: 10.79

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

2017-18	2016-17	2015-16	2014-15	2013-14
22	13	07	08	04

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

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

Response: 1.6

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

2017-18	2016-17	2015-16	2014-15	2013-14
04	01	00	03	00

File Description	Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	View Document
Any additional information	View Document

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

Response: 30.57

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

2017-18	2016-17	2015-16	2014-15	2013-14
75	02	07	65	02

File Description	Document
IQAC report summary	View Document
Details of teachers attending professional development programs during the last five years	View Document
Any additional information	View Document

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

Response:

The Faculty Performance Appraisal (FPA) is measured every year in order to evaluate their performance based on their roles & responsibilities. The FPA is carried out for 100 Points. Out of 100 points 50% weightage is given for Teaching and Learning Process (Students Feedback, Subject Results etc.) 20% for Academic Research and Publication, 15% for sponsored R & D Consultancy, 10% for Academic and Administrative Work and 5% for other activities. For Non-Teaching staff, Performance Appraisal involves attitude towards co-workers, Responsibilities, skill about the job & other activities.

The process of appraisal is as follows.

- Every year, it is mandatory for all faculty members to submit their 'Self-Appraisal Reports' in the prescribed 'Performance Appraisal' format to the concerned HOD.
- After verifying the details the HODs submit the self appraisal report to the Principal.
- The Principal forwards the same to the management for further action.

File Description	Document
Any additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

The institute conducts the internal and external audit every year. The internal audit team checks all the accounts, journal vouchers etc. While verifying entries, if any mistakes are identified, the same could be rectified in the same month by the concerned Department. After rectifications if any, the report would be submitted by internal auditors to the Management. The External auditors will visit the college and submit the final report after auditing. After completion, the final statutory audit report will be submitted to the Governing Council for approval.

File Description	Document
Any additional information	View Document

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

Response: 0

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

2017-18	2016-17	2015-16	2014-15	2013-14
00	00	00	00	00

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

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

Response:

SJMIT is a self-financed institution, where the funds are generated through the fees paid by the students and other sources of funds are from Consultancy work, Research Project grants.

Utilization of Resources

- Adequate funds are allocated for effective teaching-learning practices that include conduct of FDPs, orientation programs, workshops, inter-disciplinary activities, training programs that ensure quality education.
- Adequate funds are utilized for development and maintenance of infrastructure for the institute.
- The grants received from the external funding agencies are effectively utilized in implementation of projects by procuring the sanctioned equipment. This equipment is utilized in the established advanced laboratories of the institute. Availability of such equipment has further improved the research interest of the faculty and students.

File Description	Document
Any additional information	View Document

6.5 Internal Quality Assurance System

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

Response:

The IQAC of the College was established in 2017. The IQAC of the College is involved in exploring the quality policies for Teaching-Learning, Research, curriculum implementation, student activities, innovation and the extracurricular and co-curricular activities.

Contribution of IQAC

- **Quality parameters developed for various academic / administrative activities of the institute.**
- Assessing the quality parameters and providing required suggestions for the

Improvement, Conducting seminars / workshops, FDPs on emerging technologies for faculty and students.

- Organizing Guest Lectures from Industry and academic experts.
- Organizing regular Training / Certification programs for students and staff.
- Encouraging R&D and Consultancy services.
- Preparing Action plan for enhancing quality of students projects (Outcome based approach)

Initiatives of the IQAC in Sensitizing/Promoting Research environment in the institution

- **Autonomy to the principal investigator**

The Principal investigators who were sanctioned projects from various funding agencies like DST, UGC, AICTE, MHRD etc., are given full autonomy in executing the project as per the Guidelines of the funding organizations.

- **Adequate infrastructure and human resources**

The departments have established Research labs with necessary software and computing facilities to carry out Research projects. Central library facilities are enhanced with an access to online national and International reputed journals.

- **Budget allocation for Research & Development**

The college allocates the budget to procure necessary equipment for experimental projects, travelling allowances for faculty attending conferences. Besides, budget is also allocated for subscribing to research journals, reference books and text books.

- **Support in terms of technology and information needs**

The institute encourages the students and faculty to utilize the advanced Research laboratories, Library, Computer center and Software tools for carrying out their academic/research projects.

Practice – 1

Project Exhibition

- The management is very much concerned about the quality of projects the students undertake during final year.
- The IQAC suggests that the students can plan their projects in the pre-final year itself. The students of all the branches participate in the project exhibition.
- This is an initiative taken by the IQAC for doing a quality projects.
- The experts are invited from Industry and Academic institutions to evaluate the projects exhibited by the students.
- First three prizes are awarded for each department.

Practice – 2 : Employability Skills Enhancement and Career Building Program

The objective of this practice is to provide training to final year students to enhance employability skills, innovative thoughts as well as entrepreneurial & leadership skills. These programs help the students in overall career development.

The conduction of Skill development programs of 40-hours duration was initiated from the academic year 2013-14 for final year students. A total of 20 sessions of two hours duration each are planned and conducted throughout the academic semester for each batch.

File Description	Document
Any additional information	View Document

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

Response:

IQAC Contributes/Monitors/Evaluates the Teaching & Learning processes:

The IQAC regular conducts academic audits to ensure effective implementation of teaching learning process and maintenance of course files. Some of the activities are as follows.

- Collecting Feedback from the stakeholders (Students, Alumni and Parents).
- Monitoring of course files, Lecture Schedules, Course plans.
- Arrangement of Bridge courses and Special / Remedial classes for weak students.
- Identifying the new methodologies and recommending the same for improving the quality.

The following innovative processes are adopted by the Institute in Teaching and Learning:

- Promoting the usage of ICT.
- Implementing OBE.
- Mapping and attainment of COs, POs and PSOs
- Conducting FDP programs on emerging technologies.

Apart from regular classroom learning and teaching methods, the following innovative techniques are also adopted.

- Arrangement of Industrial visits, Field trips, Internships etc.,
- Guest lectures on innovative topics by the Eminent Academicians and industry experts.
- Conduction of seminars and group discussions, quiz competitions etc., by students.
- Faculty Development through Subject based workshops, Orientation programs, Seminars and Conferences, Technology based workshops etc.

Activity: 1. Internal Academic Audit

Through Internal Audit, achievements are appreciated and suggestions are given for further improvement of the quality of teaching and learning. The following activities are considered while auditing.

- Syllabus completion.
- Content beyond the syllabus
- Extra coaching classes conducted
- Course file
- Class Record
- Value added courses conducted
- Internal marks awarded
- Mentor file
- Events organized
- Conferences/Workshops/Seminars/Courses participated
- Contributions to the college

Activity : 2. Video clips and NPTEL material

Other than smart class rooms lectures, videos are played for specific topics beyond the syllabus but related to the latest technology in the respective domains.

Through these video classes, students are exposed to have a thorough understanding of skills which encourage them to focus on their project works.

The faculty members are encouraged to register for the NPTEL (National Programme on Technology Enhanced Learning) online courses initiated by IITs and IISc.

Awarding and providing additional book facilities to the advanced learners is one of the motivations for students from the management.

File Description	Document
Any additional information	View Document

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

Response: 2

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

2017-18	2016-17	2015-16	2014-15	2013-14
5	1	3	1	0

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

6.5.4 Quality assurance initiatives of the institution include:

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

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: E. None of the above

File Description	Document
Details of Quality assurance initiatives of the institution	View Document

6.5.5 Incremental improvements made during the preceding five years (*in case of first cycle*) Post accreditation quality initiatives (*second and subsequent cycles*)

Response:

Some of the improvements related with the Institute, teachers and students progress are listed below:

- The R& D centre is established during 2014 in Mechanical Engineering Department to inculcate the Research culture among students and faculty.
- More Number of publications in international journals.
- CBCS system is adapted in the institute as per University Norms.
- Number of Ph.D holders in the institute is increased.
- Organized the National Symposium on Advanced Skills in Engineering & Technology (NSASET)

in 2015 -16.

- Formation of Internal Quality Assurance Cell (IQAC).
- A Student of Automobile Engineering secured 7th rank in VTU under graduate examinations held during the academic year 2016-17.
- Secured best project award for the year 2017-18 by Mechanical Engineering students in project exhibition organized by Karnataka State Council for Science and Technology and Karnataka State Bio-Energy Board.
- Secured second prize for the year 2017-18 by the students of Electrical and Electronics Engineering in "Impulse Exhibition" at BIET, Davanagere.
- Student of 1st semester Electrical and Electronics Engineering secured 9th place in VTU examination during 2017-18.
- Setting up the Solar Roof Top Power Generation of capacity 250 kwp in the year 2017-18.
- Constructed and occupied new Administrative block.

File Description	Document
Any additional information	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Response: 7

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

2017-18	2016-17	2015-16	2014-15	2013-14
01	02	02	01	01

File Description

Document

Report of the event

[View Document](#)

List of gender equity promotion programs organized by the institution

[View Document](#)

7.1.2

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

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

Response:

Institution shows gender sensitivity by providing the following facilities in connection with safety and security:

- Campus is under surveillance of CCTV.
- Separate vehicle parking area for girls, boys and staff.
- The Institution frequently conducts various awareness programmes like Moral ethics, Values, and Social work, Women empowerment, Health management, Violence against women etc,
- Awareness is created for staff and students about gender and social problems.
- Institution deployed security guards across the campus and hostels.
- Staff members offer suggestions to the student community for the psychological and social problems.
- Grievance Cell provides a convenient opportunity for girl students to report harassment issues.

Institution shows gender sensitivity in connection with Counseling as follows:

- Mentors take care of counseling the students regularly. They help the students to solve their personal and academic problems to the possible extent. Students will be monitored and counseled on disciplinary matters, safety and security measures etc. The students are free to meet their mentors any time to share and discuss their problems.

Institution shows gender sensitivity in connection with Common Room by providing rest rooms for Ladies in the college campus.

File Description	Document
Any additional information	View Document

7.1.3 Alternate Energy initiatives such as:

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

Response: 90

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

Response: 360000

7.1.3.2 Total annual power requirement (in KWH)

Response: 400000

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

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 50

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

Response: 108000

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 216000

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

7.1.5 Waste Management steps including:

- Solid waste management
- Liquid waste management
- E-waste management

Response:

Solid Waste Management

Solid waste is collected and separated in two bins by segregating as dry and wet waste. The Green-colored dustbins are meant for wet and bio-degradable wastes where as the Red dustbins are meant for dry waste such as disposal plastic wrappers, non-bio-degradable wastes, papers and glass bottles etc. Cleaning or emptying of the dustbins is done on a regular basis at two intervals every day. Dried leaves and plants' clippings are collected and segregated in compost pits to produce manure which can be used for gardening to increase the soil fertility.

Liquid waste management

Liquid waste management is carried out as follows:

- Disposal of waste water through public drainage.
- Waste oil is collected from engine lab and automobiles and is converted in to bio-fuel.

E-waste management

E- waste management is carried out as follows:

- The damaged computers are disposed through outside agencies.
- Other e-waste materials are properly disposed through agencies and vendors.

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

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

The Rain Water Harvesting(RWH) has been adapted in the college campus. The rainwater is collected from roof area of the buildings and it is utilized for the water requirements in the campus. The RWH system has the storage pond capacity of around one lakh liters. However, partial rain water collected from roof area is taken through the pipes to recharge pit for improving the ground water table. Check bunds and trenches are dug at steep ground level. The water collect from the rain is used for college garden maintenance.

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

7.1.7 Green Practices

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

Response:**Students and staff use:****a) Bicycles**

The college has adopted bicycle master plan and established a network of bicycle routes throughout the campus.

b) Public Transport

Apart from the college transport facility, college encourages the staff and students to use public transport also for conveyance.

c) Pedestrian friendly roads

The Institute has pedestrian paths within the campus. The goal of these Pedestrian friendly roads is to encourage walking as an attractive means of transportation as well as for leisure, recreation and health.

Plastic free campus

Plastic free campus is the objective of the institution to measurably reduce plastic pollution in college campus with a special focus on the reduction and elimination of plastic bottles, plastic straws and poly bags. The college organizes awareness programs to avoid the use of plastic material in the campus.

Paperless office

The institution promotes paperless office as it happens to be a much better and green option than using the means of paper. This kind of paperless office helps to reduce carbon footprint, possibility of paper store and saves time.

Green landscaping with trees and plants

The various trees and plants in the campus support the green landscaping through the following measures.

- Various plants and beautiful garden are maintained.
- Slush green and clean campus is established.
- Awareness programmes on green practice are conducted by NSS.
- The pluck cards are displayed in the campus like “Go Green”, “Think Green” ,“Create Green”, and “Save Green”.

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

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

Response: 1.98

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

2017-18	2016-17	2015-16	2014-15	2013-14
3.145	0.632	4.582	5.413	5.030

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

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

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

A. 7 and more of the above

B. At least 6 of the above

C. At least 4 of the above

D. At least 2 of the above

Response: D. At least 2 of the above

File Description	Document
Resources available in the institution for Divyangjan	View Document
Any additional information	View Document

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

Response: 6

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

2017-18	2016-17	2015-16	2014-15	2013-14
01	01	02	01	01

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	View Document
Any additional information	View Document

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

Response: 6

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

2017-18	2016-17	2015-16	2014-15	2013-14
01	01	02	01	01

File Description	Document
Report of the event	View Document

7.1.12

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

Response: Yes

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

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

Response: Yes

File Description	Document
Provide URL of website that displays core values	View Document

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

Response: Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	View Document
Any additional information	View Document

7.1.15 The institution offers a course on Human Values and professional ethics

Response: Yes

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

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

Response: Yes

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

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

Response: 6

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
01	01	02	01	01

File Description	Document
List of activities conducted for promotion of universal values	View Document
Any additional information	View Document

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Response:

Every year institute organizes several national festivals and birth/death anniversaries of the great Indian personalities such as:

Republic day:

Every year we celebrate this day on 26th January, Flag hosting is done by His Holiness Dr.Shri Shivamurthy Murugha Sharanaru, President, SJM Vidyapeetha(R), Chitradurga

Independence day:

Every year we celebrate this day on 15th August, Flag hosting is done and various cultural events are conducted.

Institute also gives importance to Birth/Death anniversaries of great Indian personalities and we celebrate them like

Gandhi Jayanthi:

We celebrate this day on 2nd October; students are encouraged to give speeches on universal values.

National Youth day:

We celebrate this day on 12th January, Swami Vivekananda birthday. Students and Faculty give speeches on universal values.

Ambedkar Jayanthi:

We celebrate this day on 14th April, Dr. B. R. Ambedkar birthday. Students and faculties are encouraged to give speeches on universal values.

Teachers day:

We celebrate this day on 5th September, Dr. Sarvepally Radhakrishnan birthday. Students celebrate by felicitating teachers on this day.

Engineers day:

We celebrate this day on 15th September every year as a remarkable tribute to the greatest Indian Engineer Bharat Ratna Mokshagundam Visvesvaraya (popularly known as Sir MV).

We also celebrate International days like

Yoga day:

We celebrate this day on 21st June every year. Students and staff are encouraged to practice Yoga by Yoga Practitioner.

Women's day:

We celebrate this day on 8th March every year. Girl students and female staff are appreciated.

File Description	Document
Any additional information	View Document

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

Response:

Financial System:

Transparency in financial system is ensured through

- Financial audit done regularly by external agencies.
- Academic Audit done regularly by internal experts.

Academic system:

- Irregularity of students is communicated by the faculty immediately after completion of class. SMS is sent to the parents after conduction of each internal assessment tests to convey the attendance status and performance.

Administrative Functions

Transparency in administrative functions is ensured through:

- Assigning roles and responsibilities to each employee .
- Well laid down procedures are to be followed while discharging the regular duties.

Auxiliary functions of the Institute

Auxiliary functions like conduction of workshops, training programs, seminars, FDPs, conferences, guest lecturers etc., are implemented through the following sequence of operations:

- Proposal by specific department
- Financial approval by the management/administration
- Submission of the reports and accounts

The complete documentation of these operations is made available in the concerned department.

File Description	Document
Any additional information	View Document

7.2 Best Practices**7.2.1 Describe at least two institutional best practices (as per NAAC Format)****Response:**

- **Title of the Practice : Employability Skills Enhancement and Career Building Program**

Objective:

The objective of this practice is to provide training to final year students to enhance employability skills, innovative thoughts and entrepreneurial & leadership skills.

The program helps the students in overall career development.

The Context:

The institute is blended with experienced, highly qualified and dedicated faculty in all the disciplines. The institute is strengthened with well-equipped laboratories and basic facilities supporting academic and students' needs.

As per the Nanjundappa commission report, Chitradurga is one of the backward districts in Karnataka state and has population of about 15 lakh. More than 75% of population belongs to rural area. Among students admitted to SJMIT, most of them are from rural background and reserved category. Their communication & career building skills are very poor compared to urban area students. In this regard, our institution organizes Employability Skills' Enhancement and Career Building Programs to students to improve their communication skills, employability and career building opportunities.

The Practice:

The Skill development program is of 40-hours duration which was introduced from the academic year

2013-14 for final year students. A total of 20 sessions each of two hours duration is planned and conducted throughout the academic semester. These sessions include the following modules.

- Module Details
- Email Writing & Writing Skills
- Quantitative Aptitude
- Verbal Aptitude
- Reasoning & Puzzles
- Group Discussion
- Human Resource & Managerial Round
- Resume/ CV Preparation
- Mock Personal Interview
- English Communication
- Personality Development
- At the end of the training Program, course completion certificate is issued to all the participants.

Evidence of Success:

It is observed that the students have improved their skills such as individual report writing, creative and strategic thinking etc.

There is a noticeable positive change in the overall personality development of the students who have under taken this course.

Mock interviews and group discussion sessions are conducted under this program. This has resulted a positive feedback from the companies that visited the campus.

- **Title of the Practice: Preparatory Examination**

Objectives of the Practice

1. To assess the performance of students.
2. To create confidence among the students about the main examination.
3. To get to know the method of conducting final exam and evaluation process.
4. To get them an idea to know where exactly they lag in the curriculum.
5. To Improve the final results

The Context

For the last two years, Institution has been conducting preparatory examination for the students as an assessment tool for measuring the performance of the students. the preparatory examination helps to measure how many students have improved in each semester.

The score secured in the preparatory examination helps the students to take further steps for improvement of results in final examination.

The Practice

Weak Students are given Remedial Instructions

After the preparatory examination, the poorly performed students are given suggestions to focus more on unattended topics.

Further Scheme and solution is provided to the students soon after Preparatory examination in all the subjects.

Students Tracking / examining before final exam

Preparatory exam helps to measure students' learning capability over a period of time. It can provide the teacher an opportunity to track students' performance.

Setting an educational goal

Preparatory examination gives the students a preview of what will be expected by them in University exam. Setting clear expectations helps them to focus on the key topics that are covered throughout the semester. This also gives them an opportunity to set educational goals.

Evaluating students growth

By comparing three internal test marks and preparatory exam marks, faculty are able to judge what the students have actually learnt from the portion that is covered by the end of the semester.

Evidence of Success

Comparatively percentage of overall college result is improved.

File Description	Document
Any additional information	View Document

7.3 Institutional Distinctiveness**7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust****Response:**

- 1. Entrepreneurship Development Cell (EDC) is created in the Institution with a distinctive vision of providing a career path in self employment awareness.**

Objective:

The following are the objectives set for EDC. The main thrust is to create awareness regarding

Entrepreneurship among the students through training programs and campus events.

- To identify and motivate budding entrepreneurs.
- To facilitate budding entrepreneurs by providing information on entrepreneurial opportunities.
- To create database and networking to help entrepreneurs.
- To assist entrepreneurs in product development.

Context:

The college aims at creating a breeding ground for the students to grow and achieve success. The EDC is a step towards facilitating the students with the necessary exposure, knowledge and experience required to gain success. It allows the students to witness the working of the real world and for developing their skills. With the entrepreneurship skills, the student becomes more confident, determined and focused about his/her future.

The student's welfare is the utmost and urgent task of the management. Through the establishment of the EDC, the college practices its vision as it enables the students to become confident and contribute significantly to the world. The EDC is managed with high priority and is given high importance. The dedication and determination of the management to promote growth in the sphere of entrepreneurship allows the EDC to function to its fullest and imparts its duties effectively preparing the students for their future.

The following functions are carried out by the EDC:

- Motivating students to develop their own startups.
- Developing business incubators.
- Creating corpus fund to seed ventures.
- Providing a platform for interaction with entrepreneurs.
- Imparting entrepreneurial education/skills among students through various trainings and exercises.
- Arranging vibrant interactions with organizations promoting the cause of entrepreneurship.

Entrepreneurship among the youth is a passion for self-employment. This will open gates for creation of new knowledge-based innovations and more avenues of employment opportunities thus turning job seekers into job creators. This process, leads the nation towards industrial excellence and self-reliant. Creating a culture and awareness among students to become entrepreneurs is believed to be one of the solutions to reduce unemployment. This encourages the students to pursue Technical education and to become entrepreneurs.

The SJMIT ED Cell organizes many entrepreneur motivation awareness programs in our sister concerned institutions for young students to get oriented towards setting up the enterprises which provide them the creativity, freedom and ability to become successful entrepreneurs. Through such programs, many students are attracted to take admission in our institution.

The following are the activities conducted by the EDC:

- Number of Entrepreneurship awareness camps – 04
- Number of Entrepreneurship development programs – 02

The Institution's Entrepreneurship Development Cell (EDC) has recently initiated **Self Employment and Livelihood Facilitation (SELF)** Program.

The " **SELF**" program emphasizes on imbining self help spirit among fresh graduates to make use of the Government policies to develop entrepreneurship as a career option among technical students. In this context, an effort has been made to provide a platform for pre-final and final year students through **Self Employment and Livelihood Facilitation (SELF)** program, in bringing out their potential and to make them resourceful.

The objective of the above program is to motivate and encourage start up initiatives among the engineering students and cope up the self employment challenges in the current scenario.

File Description	Document
Any additional information	View Document

5. CONCLUSION

Additional Information :

- 130 university rank holders from the institution.
- The R& D centre is established during 2014 in mechanical Engineering department to inculcate the Research culture amongst students and faculty.
- More Number of publications in international journals
- CBCS system adapted as per University Norms.
- More number of faculties are pursued the doctoral degree during 2015-16.
- Organised National Symposium On Advanced Skills in Engineering And Technology(NSADET) in 2015 -16
- Formation of Internal Quality Assurance Cell (IQAC).
- Student of Automobile Engineering secured 7th rank in VTU under graduate examinations held during the academic year 2016-17.
- Participation of Mechanical Engineering students in project exhibition organised by Karnataka State Council for Science and Technology and Karnataka State Bio-Energy Board at BIET and secured as best project award for the year 2017-18.
- Students of Electrical and Electronics Engineering participated in Impulse Exhibition at BIET, Davanagere and secured second prize for year 2017-18.
- Students of Computer Science & Engineering participated in Fourth National Conference on Emerging Trends in Computer Science & Engineering and secured as best paper award.
- Student of 1st semester Electrical and Electronics Engineering secured 9th place in VTU during 2017-18.
- Inaugurated Solar Power Generation of capacity 250kw in the year 2017-18.
- Construction of new Administration block.

Concluding Remarks :

SJMIT intends to be the part of Accreditation and Assessment with a strong desire to move from present state to global strength. It is our hope and trust that Accreditation and Assessment through NAAC would give us an opportunity to move towards the main stream of achieving the goal of academic excellence for our graduates. No doubt that the opportunity would definitely boosts up the morality of our faculty, staff and student fraternity.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.1.3	<p>Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years</p> <p>1.1.3.1. Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>3</td> <td>4</td> <td>2</td> <td>0</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1</td> <td>2</td> <td>3</td> <td>0</td> </tr> </tbody> </table> <p>Remark : Revised as per HEIs clarification</p>	2017-18	2016-17	2015-16	2014-15	2013-14	2	3	4	2	0	2017-18	2016-17	2015-16	2014-15	2013-14	1	1	2	3	0
2017-18	2016-17	2015-16	2014-15	2013-14																	
2	3	4	2	0																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
1	1	2	3	0																	
2.1.3	<p>Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years</p> <p>2.1.3.1. Number of actual students admitted from the reserved categories year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>138</td> <td>127</td> <td>142</td> <td>98</td> <td>126</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>155</td> <td>145</td> <td>162</td> <td>117</td> <td>144</td> </tr> </tbody> </table>	2017-18	2016-17	2015-16	2014-15	2013-14	138	127	142	98	126	2017-18	2016-17	2015-16	2014-15	2013-14	155	145	162	117	144
2017-18	2016-17	2015-16	2014-15	2013-14																	
138	127	142	98	126																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
155	145	162	117	144																	
3.2.2	<p>Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years</p> <p>3.2.2.1. Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>08</td> <td>09</td> <td>17</td> <td>02</td> <td>03</td> </tr> </tbody> </table>	2017-18	2016-17	2015-16	2014-15	2013-14	08	09	17	02	03										
2017-18	2016-17	2015-16	2014-15	2013-14																	
08	09	17	02	03																	

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
05	04	10	05	00

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

Answer before DVV Verification : Yes

Answer After DVV Verification: Yes

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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
31	07	11	02	04

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
27	07	11	02	04

Remark : Revised as per supporting excel

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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
00	16	10	11	31

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
16	10	11	12	19

Remark : Revised as per supporting excel.

3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender

Issue, etc. during the last five years

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
96	40	120	109	630

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
136	0	120	109	630

Remark : Revised as per supporting excel revised

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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
02	15	12	09	02

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
17	10	11	1	1

Remark : Changed as per revised excel supported

3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
07	09	08	05	05

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
4	2	3	1	5

Remark : Revised as per changed supporting document

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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
3.74	4.84	5.64	21.38	6.92

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
12.20	7.67	24.71	4.65	20.56

Remark : Changed as per supporting document

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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
7	2	3	4	2

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
7	2	3	4	7

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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
01	02	08	04	02

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
01	03	08	03	02

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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
43	43	46	45	41

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
41	40	46	44	41

Remark : Changed as per supporting excel

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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
3.145	0.632	4.582	5.413	5.030

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
3.145	0.632	4.582	5.413	5.030

2.Extended Profile Deviations

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
207	222	222	222	189

Answer After DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
225	241	242	241	207

NAAC