SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

SRINIVAS INSTITUTE OF TECHNOLOGY

MERLAPADAVU, VALACHIL, FARANGIPETE POST 574143

www.srinivasgroup.com/srinivas-institute-of-technology

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

September 2018

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Srinivas Institute of Technology (SIT) is established in the year 2006 with the aim of producing world class Engineering graduates. The Institute is managed by A. Shama Rao foundation, Mangaluru and is affiliated to Visvesvaraya Technological University, Belagavi & is recognized by AICTE, New Delhi. The Institute has emerged as one of the best self financed engineering colleges in Karnataka. The Institute in an eco-friendly green campus is situated adjoining to NH 75 about 15 kilometers from Mangaluru city in Dakshina Kannada district of Karnataka state.

Srinivas Institute of Technology sustains a culture that support teaching learning excellence and offers Undergraduate, Postgraduate & Doctoral Programs. The Institute is committed to provide outcome based, industry focused education and nurtures an inclusive environment to serve diverse needs of students, faculty and staff. The Institution inculcates social consciousness among its students through active forums including Youth Red Cross society and NSS. Institute is committed to continuous quality enhancement. Linkages with Industry and academia are in the process for collaborative research, faculty exchange and student exchange programmes.

Srinivas Institute of Technology is backed by visionary leadership committed to fulfilment of its Vision and Mission.

Vision

"To transform society by imparting quality technical education in dynamic equilibrium with social, ecological and economic environment, striving continuously for excellence in education, research and technological service to the Nation".

Mission

"**To provide knowledge based technological education to the students and train them as a competent professional manpower with ethical values to fulfill the needs of the society and industry by implementing the state-of the art education including technological innovation**".

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Value based and philanthropic management
- Eco friendly, noise & pollution free lush-green campus spread over 15 acres.
- Well-equipped labs and multimedia classrooms for effective teaching-learning.

- Dedicated and qualified faculty with diverse research interests.
- Spacious library and information center with necessary volumes
- Multi-talented students from diverse background who bring laurels to the Institute through development of innovative projects.
- Good placement record
- Culture of all-round development in academics, sports, music and arts
- Vibrant student chapters of the professional bodies like IETE, IE(I), CSI and ISTE.

Institutional Weakness

- Limited autonomy in curriculum design and forging external relationships.
- Declining number of students admitted with good qualifying credentials.
- Lack of externally funded research projects.
- Weak industry-institute interaction.
- Lack of passion and enthusiasm with faculty to pursue research in emerging areas.

Institutional Opportunity

- Tapping the knowledge resources of alumni who are pursuing successful careers in industry or as entrepreneurs.
- Staff strength and enterprising nature is a strong opportunity to setup centres of excellence.
- Continuous improvement in teaching-learning process through self learning courses.
- Scope for consultancy with the increasing demand for technical expertise offering advanced technological solutions in solving community problems especially energy, ecology and environmental issues.
- Ample opportunities for collaborating with R&D Labs and Industries of National & International repute.

Institutional Challenge

- To groom globally competitive students with good employability skills.
- To meet constantly changing technological advancements.
- Need for a dynamic curriculum that meets needs of the industry.
- Mushrooming of large number of technical institutions and private Universities beyond the requirements.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

- **Curriculum Planning and Implementation:** The Institute implements the curriculum designed by the University with well planned academic calendar in tune with University calendar and the faculty members prepare the lesson plan in advance and the compliance of the same is monitored by the authorities.

- **Academic Flexibility:** Choice Based Credit System (CBCS) is followed for UG since 2015 and inter-disciplinary subjects under open elective schemes are offered during V and VI semester.
- **Curriculum Enrichment:** Soft skill training programmes are imparted to students from second year onwards by the professionals. Students are compulsorily made to undergo industrial internship programmes. Technical talks from subject experts are organized and regular industrial visits are arranged. In addition to the curriculum prescribed by the University, the college offers number of skill development programs and value added courses integrating moral & ethical values, employability and life skills for better career options & community orientation.
- **Feedback System:** Institute has a mechanism for taking feedback on the curriculum from all the stake holders viz. students, faculty, parents, alumni, employers, industries, academic peers and community. The recommendations are communicated to the University through BOS during revision of syllabus from time to time. Feedback is taken from students in every semester on teaching-learning process which is consolidated and communicated to the teachers and the management for follow-up actions.

Teaching-learning and Evaluation

- Students from different states have enrolled to different UG and PG programmes. On an average about 60% of the students are from Karnataka.
- After the admission process is completed the learning levels of students are assessed and special programs organized for advanced learners and slow learners. Bridge courses and additional weekend classes are arranged for slow learners to enable them to improve the subject knowledge. The Institute maintains a healthy Student to faculty ratio of 13:1.
- In student centric teaching-learning process, the class sessions are planned to ensure that the students take active participation in learning process with group activities, quizzes, projects etc. Multimedia class rooms are provided and e-learning resources are utilized extensively. Dedicated student counseling cell and student mentoring system with a ratio of 20:1 is in place for guiding the students in academic and stress related issues.
- The faculty members are well qualified and experienced. The Institute is employing full time teachers with an average experience of 9 years with about 9% being PhD holders and 15% faculty members pursuing PhD.
- The Institute has a centralized internal assessment test committee, which formulates the norms for the conduct of the assessment tests in line with the University guidelines.
- The program outcomes and program specific outcomes are stated and displayed on the Institute website and are evaluated by the institution.

Research, Innovations and Extension

Faculty members are encouraged to involve in R&D activities, to attend workshops, training programs, FDPs and also to publish research papers in journals & conferences.

- The faculty members are encouraged to involve in sponsored research/consultancy activities. A total of three research projects worth 52 lakhs funded by various agencies are underway. Six departments of the institute are recognized as research centers with 14 teachers recognized as research guides.
- A number of eminent researchers and senior faculty are invited to deliver guest lectures, conduct FDPs and workshops on the selected topics. The college has created facilities such as research laboratories, incubation centers to promote research.

- Faculty members are encouraged to publish/present their technical papers in UGC notified journals and in different national/international Conferences. A total of 179 research papers in journals notified by UGC and 210 papers in National/ International conference proceedings have been published.
- Students and faculty members are encouraged to participate in extension activities through youth red cross & NSS programmes in collaboration with NGOs .
- Institute is having MOUs with different industries and academia under industry institute interaction cell.

Infrastructure and Learning Resources

- **Physical Facilities**: The Institute has adequate infrastructural facilities for meeting curricular, co-curricular and extra-curricular activities such as ICT enabled class rooms, seminar halls, laboratories and faculty rooms. Facilities for sports, games (indoor, outdoor, gymnasium, yoga centre etc.,) and cultural activities are provided to cater the extra-curricular and co-curricular needs.
- **Library as a Learning Resource**: The college central library is main source of knowledge which has 28334 volumes of books and digital library facility. It subscribes national & international journals.
- **IT Infrastructure**: The Institute has adequate number ofcomputers with latest configuration and required software's to meet the IT needs of the faculty and students. The internet connectivity with 50 mbps capacity along with the Wi-fi facility is made available in the college. The ICT facilities are provided to use latest audio and visual aids to enrich teaching-learning process.
- **Maintenance of Campus Infrastructure**: All the departments are allocated required funds to meet their infrastructural and recurring expenditure. The college has a mechanism for the maintenance of the infrastructure and the campus.

Student Support and Progression

- **Student Support:** The College provides financial aid to the economically weaker students on its own and extends support to obtain scholarships, tuition fee from state government to all eligible the SC/ST/OBC/Minority/physically challenged/economically weaker students. Average of 17.8% students have received financial aid from government agencies and 6.3% students were given scholarships. Through career guidance and placement cell the institute provides career guidance and training in communication skills to improve their employment opportunities and arranges on campus placement drives and off-campus drives. The college has established a grievance redressal cell to address the grievances of the students.
- **Student Progression**: Average of 50% students have been offered placement through the Institute. About 3% students of 2016-17 have enrolled in to higher education.
- **Student Participation and Activities**: The institute hosts and encourages students to participate in sports, games, cultural programmes (Pratibha, Envision etc.) and other extracurricular activities and also encourages students to participate in university / state / zonal / national level competitions. Students are also encouraged to publish magazine catalogues, wall magazines etc., to bring out their talents and creativity. Students are also involved in administrative activities by including them in number of committees such as student council.
- **Alumni Engagement:** The alumni association of the Institute has been registered through which the alumni members associate themselves in the development of the Institute. A Meeting of the Alumni association is being organized annually.

Governance, Leadership and Management

- **Institutional Vision and Leadership:** To achieve the stated vision and mission, the Institute involves all the stake holders in governing the institution. The Principal involves the heads of the departments in the administrative & academic matters.Participative management is ensured with various committees comprising faculty members & students.
- **Strategy Development and Deployment**: Institute has implemented e-governance in the areas of finance and accounts, administration.
- **Faculty Empowerment Strategies**: Institute has made efforts to empower the faculty by organizing a number of FDPs by inviting senior faculty and eminent persons from other institutes and industry. The Institute supports the faculty members for research publication & attaining higher qualifications. An effective performance appraisal system is available to understand the needs of teaching and non teaching staff.
- **Financial Management and Resource Mobilization**: All financial transactions are audited annually. The main source of income is tuition fee, also bank loans are availed to meet financial requirements of the Institute. The college has also received funds through goverment agencies for research activities.
- **Internal Quality Assurance System**: To ensure the quality education, the college has constituted an Internal Quality Assurance Cell (IQAC) in the year 2016 and it has organized a total of nine programs on administrative and quality.

Institutional Values and Best Practices

- **Institutional Values and Social Responsibilities**: The Institute is keen on gender equity and organizes promotion programs and provides required facilities. LED lightings are used to reduce the usage of power. The Institute has an effective waste management system. Rain water harvesting system is in place. The institute has green landscaping with lush-green garden, plants and trees all around the campus. The campus is a plastic free zone. The college encourages usage of bicycles, public transport and pedestrian friendly roads to avoid environmental pollution and created facilities for differently abled people. It has a code of conduct for all students and staff. To promote universal values college organizes national festivals. It maintains complete transparency in all its functions.
- **Best Practices:** Among the best practices followed in the Institute the emphasis is given to the following:
    - "The Student Mentoring System"- where individual attention is given to the student for their all round development.
    - "Student Activity Forums for Excellence"-which provide opportunities to a large number of students of similar skills to come together and exhibit their techno-cultural talents.
- **Institutional Distinctiveness:** The Institute takes pride in the transformation of economically and socially weak students into successful professionals.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	SRINIVAS INSTITUTE OF TECHNOLOGY
Address	Merlapadavu, Valachil, Farangipete Post
City	MANGALORE
State	Karnataka
Pin	574143
Website	www.srinivasgroup.com/srinivas-institute-of-technology

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Principal	Shrinivasa Mayya D	0824-2274730	9448328115	0824-2274731	principalsit@srinivasgroup.com
Professor	Shivakumar G S	0824-2274732	9448251302	08242-2442766	cshodsit@gmail.com

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Day

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details	
Date of establishment of the college	28-06-2006

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	10-04-2018	12	

Details of autonomy	
Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	Yes autonomydoc_1535364463.pdf
If yes, has the College applied for availing the autonomous status?	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	Merlapadavu, Valachil, Farangipete Post	Rural	14.26	55699

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)

Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Mechanical Engineering	48	Twelfth	English	240	125
UG	BE,Computer Science And Engineering	48	Twelfth	English	180	137
UG	BE,Electronics And Communication Engineering	48	Twelfth	English	120	55
UG	BE,Information Science And Engineering	48	Twelfth	English	60	19
UG	BE,Electrical And Electronics Engineering	48	Twelfth	English	60	27
UG	BE,Aeronautical Engineering	48	Twelfth	English	60	46
UG	BE,Marine Engineering	48	Twelfth	English	60	40
UG	BE,Automobile Engineering	48	Twelfth	English	60	28
UG	BE,Nano Technology	48	Twelfth	English	60	20
UG	BArch,Architecture	60	Twelfth	English	80	67
PG	Mtech,Mechanical Engineering	24	B.E	English	18	0
PG	Mtech,Comp	24	B.E	English	18	0

	uter Science And Engineering					
PG	Mtech,Electronics And Communication Engineering	24	B.E	English	18	0
PG	MBA,Master In Business Administration	24	Any Degree	English	120	72
PG	MCA,Master In Computer Application	36	Degree	English	60	8
Doctoral (Ph.D)	PhD or DPhil,Mechanical Engineering	48	M.Tech	English	24	13
Doctoral (Ph.D)	PhD or DPhil,Electronics And Communication Engineering	48	M.Tech	English	6	1
Doctoral (Ph.D)	PhD or DPhil,Architecture	48	M.Arch	English	6	2
Doctoral (Ph.D)	PhD or DPhil,Master In Business Administration	48	MBA	English	6	2
Doctoral (Ph.D)	PhD or DPhil,Master In Computer Application	48	MCA	English	6	1
Doctoral (Ph.D)	PhD or DPhil,Chemistry	48	M.Sc	English	6	4
Doctoral (Ph.D)	PhD or DPhil,Physics	48	M.Sc	English	6	1

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				24				76				235
Recruited	23	1	0	24	36	15	0	51	96	61	0	157
Yet to Recruit				0				25				78

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				69
Recruited	26	43	0	69
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				50
Recruited	20	27	0	47
Yet to Recruit				3

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	15	1	0	5	1	0	0	0	0	22
M.Phil.	1	0	0	0	0	0	0	0	0	1
PG	7	0	0	36	8	0	98	60	0	209
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers									
Highest Qualification	Professor			Associate Professor			Assistant Professor		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	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
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers									
Highest Qualification	Professor			Associate Professor			Assistant Professor		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	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
UG	0	0	0	0	0	0	0	0	0	0

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

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	483	67	0	0	550
	Female	0	14	0	0	14
	Others	0	0	0	0	0
PG	Male	49	0	0	0	49
	Female	29	2	0	0	31
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	20	0	0	0	20
	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	13	19	12	16
	Female	4	8	2	5
	Others	0	0	0	0
ST	Male	9	11	6	9
	Female	5	3	5	5
	Others	0	0	0	0
OBC	Male	148	86	185	186
	Female	84	48	91	84
	Others	0	0	0	0
General	Male	273	462	390	427
	Female	108	222	186	199
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		644	859	877	931

Extended Profile

1 Program

1.1

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

Response: 956

File Description	Document
Institutional Data in Prescribed Format	[View Document](#)

1.2

Number of programs offered year-wise for last five years

2017-18	2016-17	2015-16	2014-15	2013-14
22	24	24	23	23

2 Students

2.1

Number of students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
2898	3323	3062	3071	2807

File Description	Document
Institutional Data in Prescribed Format	[View Document](#)

2.2

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
627	790	790	790	754

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

2.3

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

2017-18	2016-17	2015-16	2014-15	2013-14
835	874	610	626	624

File Description	Document
Institutional Data in Prescribed Format	[View Document](#)

3 Teachers

3.1

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

2017-18	2016-17	2015-16	2014-15	2013-14
232	308	294	289	253

File Description	Document
Institutional Data in Prescribed Format	[View Document](#)

3.2

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

2017-18	2016-17	2015-16	2014-15	2013-14
345	375	355	326	276

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

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 66

4.2

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

2017-18	2016-17	2015-16	2014-15	2013-14
766	612	590	566	442

4.3

 Number of computers

Response: 750

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 institute follows the academic calendar provided by Visvesvaraya Technological University (VTU) Belagavi and imparts quality education depending upon the resource potentiality of the institution. The institution has developed a structured and effective implementation of the curriculum. Following are the various means through which it executes the curriculum.

Principal-HODs Meeting:

Academic matters are discussed in meetings convened by the Dean Academics. The Principal chairs these meetings attended by Heads of Departments. The action plans are outlined for the optimal and effective implementation of the curriculam.

Academic Calendar:

Academic Calendar is prepared in-line with the University (VTU) academic schedule and the requirements at Institute level as per the action plans are formed.

Lesson Plan:

The lesson plan is prepared in a teachers' dairy which includes individual time table, details of contents to be covered and the actual topics covered against the plan in the entire semester. The dairy is monitored by the respective heads of the department weekly and by the Principal once in a month.

In addition to the above since 2017-18, the lesson plan is implemented through the ERP software (**dhi**), which includes course objectives, course outcomes, planning and execution of the course etc. The heads of the departments and Principal review the implementation.

Course File:

For every course a course file is maintained which has the following:

1. Course Syllabus
2. Course material (DVD/print/Google drive)
3. Question Bank
4. Internal assessment test Question Papers and scheme & solution
5. University Question Papers and model solution
6. University results with analysis
7. Lab manual

Academic file:

Every faculty member maintains an academic file containing the following:

1. Individual Time Table
2. Approved Teaching Plan
3. Students Attendance Record
4. Assignments/Tutorials
5. Continuous Internal Evaluation Records

The action plans:

1. Effective implementation of curriculum is periodically monitored by the heads of the departments and reviewed Dean Academics & Principal.
2. Three internal assessment tests are conducted as per the academic calendar. Additionally for CBCS batches continuous internal evaluation (CIE) is carried out through assignment, quiz and surprise tests etc.
3. Progress of the students is regularly communicated to their parents.
4. Tutorial & remedial classes are conducted to the slow learners for each subject.
5. E-learning resources are made available through EDUSAT programs and through University website.
6. Seminars, workshops and guest lectures on curriculum related topics are conducted regularly.

Review of the University results is carried out by Heads of the departments and is monitored by Dean Academics.

File Description	Document
Link for 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	00	00	0	00

File Description	Document
Details of the certificate/Diploma programs	[View Document](#)
Any additional information	[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: 5.45

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
02	04	01	06	02

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: 22.59

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

Response: 216

File Description	Document
Details of the new courses introduced	[View Document](#)

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

Response: 68.18

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

Response: 15

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: 0

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
00	00	00	00	00

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 institute offers various courses relevant to issues addressing gender, human values and professional ethics which include:

- 15CPH28: Constitution of India and Professional Ethics & Human Rights: Ethics: To inculcate the moral and ethical values
- 15CIV18/15CIV28: Environmental studies: Environment and Sustainability.
- 15ME562: Energy and Environment - The course Energy and Environment deals with elaborate study about renewable as well as nonrenewable energy sources and their applications. It also educates about recent developments such as application of phase change materials and compressed air technology.
- 15ME51: Management and Engineering Economics - Management and Engineering Economics deals with detailed description of the functions of Management. It also includes the basics of Engineering Economics, especially on evaluation of alternatives and interest calculations.
- 15CS51: Management, Entrepreneurship for IT Industry.

File Description	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: 2

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](#)
Any additional information	[View Document](#)

1.3.3 Percentage of students undertaking field projects / internships

Response: 20.74

1.3.3.1 Number of students undertaking field projects or internships

Response: 601

File Description	Document
List of students enrolled	[View 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

Response: B.Any 3 of the above

File Description	Document
Any additional information	[View Document](#)
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	[View Document](#)
URL for stakeholder feedback report	[View Document](#)

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

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

File Description	Document
URL for feedback report	[View Document](#)

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

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

Response: 8.77

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
83	154	290	322	460

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

2.1.2 Average Enrollment percentage (Average of last five years)

Response: 57.23

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
644	859	877	921	1004

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
1253	1580	1580	1580	1508

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: 30.47

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
263	175	301	305	87

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:

Student's knowledge analysis and enrichment (after admission):

Students' profiles are analyzed and assessed to understand their background based on their CET/12th standard marks. Based on this slow learners are identified and special attention is given.

To help the students to have an easy transition from the education system of schools to the rigor of higher education, the institution has adopted the following strategies:

- **Orientation Program (for all students)**: Orientation program which introduces various Engineering streams is conducted for newly enrolled students prior to the commencement of classes. The purpose of this orientation program is to create awareness about the four year Engineering program, curriculum, University rules and regulations, examination system, eligibility criteria for promotion to higher semesters, etc. The Institute rules & regulations which include dress code, discipline etc. and facilities available & their locations are also briefed. Students are introduced in to various Departments and sections by the respective Heads followed by their visit. This program facilitates all the newly joined students to be oriented towards the Engineering program.
- **Bridge course (for slow learners)**: The main purpose of bridge course is to give the basics of few subjects which bridge the gap from pre-university curriculum to Engineering curriculum, which in-tern helps the students to understand the Engineering subjects in a better way. Bridge courses on fundamental subjects like mathematics, computer science, basic electronics, basic electrical, elements of civil engineering etc. are conducted for 15 days prior to the commencement of first

year classes. For the academic year 2013-14, 2014-15, 2015-16, 2016-17, and 2017-18 total number of students benefitted by bridge course are 450, 347, 328, 364 and 248 respectively.

In addition depending upon the performance of the students, mentors will identify slow learners in the higher semesters and appropriate measures are taken.

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

2.2.2 Student - Full time teacher ratio

Response: 712:57

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:

(a) Experiential learning:

1. **ISAP:** "Information Search Analysis and Presentation" is an activity which is mandatory for the students across all branches. Second year students in the beginning of the odd semester have to search for a technical topic of their interest through the internet and present it before a panel of faculty members. The understanding of the topic, presentation skills and communication skills are assessed by the panel. Feedback is given to the students for improvement. This activity helps the students in the later part of their course while giving seminars, paper presentations, project presentations, etc.
2. **Industrial visits**: Second year/ Third year engineering students are taken for industrial visits where they are exposed to various methods, and process followed in the industries of their respective

disciplines.

3. **Internship programme**: Students are encouraged to undergo internships in reputed industries/ organisations during their course of study. Also as a part of the CBCS curriculum, students have to undergo an internship programme in some industry for at least eight weeks during their vacation. This develops more ideas regarding industrial working and studying related subjects in the class becomes easy.

(b) Participative learning:

1. **Classroom activities**: While solving numerical problems in the class, answers are elicited from the students. Having the upgraded syllabus in mind, as a part of the continuous evaluation process subject related quizzes are conducted in written or oral form. The students are made to present certain topics of their subjects as a group activity. This improves communication skills and fosters team work.

2. **Tutorial classes**: In tutorial classes, student groups are formed. These groups are moderated by teacher to promote collaborative learning which involves

- Asking the students to prepare their own question papers with answers
- Interchanging the question papers among students to answer in the class
- Evaluation by students by referring their answer key, and cross checking by the teacher

3. Mini projects: Student groups of third year are identified and encouraged to develop hands on projects on their field of interest. These are exhibited, evaluated and rewarded periodically.

4. Association activities: Technical talks and workshops are held often for the students encompassing various areas of their respective disciplines, entrepreneurship, career guidance, etc. through the department associations.

File Description	Document
Link for 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: 68.1

2.3.2.1 Number of teachers using ICT

Response: 158

File Description	Document
List of teachers (using ICT for teaching)	[View Document](#)
Provide link for webpage describing the " LMS/ Academic management system"	[View Document](#)

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

Response: 20.55

2.3.3.1 Number of mentors

Response: 141

File Description	Document
Any additional information	[View Document](#)

2.3.4 Innovation and creativity in teaching-learning

Response:

- All the class rooms are equipped with LCD projectors.
- As per the requirement of the subjects, solid models of objects are used for explanation purpose
- Students are taken to respective laboratories for better understanding of subject, apart from classroom teaching in the conventional way.
- Faculty members handling a particular theory subject are preferably assigned to the practical classes related to the subject for making the students understand better.
- Students are encouraged to refer to e-books available in digital library and also in intranet facility.
- Notes of lessons are made available in hard/soft form in the departments.
- Apart from the major project work which is a part of the curriculum in fourth year, students in third year have to make mini projects or miniature models involving some working mechanisms.

Some of the facilities for effective teaching learning are mentioned below:

- Wi-Fi enabled campus
- ICT classrooms with internet facility and LCD projectors
- Access to e-journals apart from print journals
- Institution is recognized as a remote centre of IIT-BOMBAY for disseminating NME-ICT programs like STTP's and MOOC programs and Webinars
- The students and faculty members are encouraged to view NPTEL video lectures of eminent professors
- The institution is a recognized VTU e-learning centre for EDUSAT based distance education

The students and faculty are exposed to advanced level of knowledge and skills like:

- **Seminars:** The Institute conducts seminars, symposium and conferences periodically and students are encouraged to participate in these events. Students are also encouraged to participate in such programmes conducted by other institutions.
- **Workshops:** The Institute organizes several workshops/training programs for faculty and students by inviting experts from industry and academia.

- **Guest lectures:** The Institute invites the experts from industry & NGO to deliver the lectures on various ongoing issues and current happenings in the corporate world/Community to provide real time information and knowledge to the students.
- **Blended learning:** In addition to conventional method of teaching, the faculty members are encouraged to use the IT enabled learning tools such as PPT, Video clippings, Audio system, online sources, Simulation software, and projects to expose the students to combine advanced knowledge with practical learning.
- **Research Based Projects:** All courses of our college offers research based projects through undertaking dissertation through guided supervision.
- **Soft Skill**: The Soft skill and Personality Development programs are regularly conducted for the benefit of students
- **Faculty enablement programs**: To enhance the knowledge and skills of the faculty members, the Institute frequently organizes FDPs, Workshops and training programmes on teaching pedagogy, general management and technical subjects. The Institute encourages and deputes the faculty members to seminars, conferences, workshops, FDP's and other developmental programmes organized by other Institutes and university to get exposure.

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: 82.62

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

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

Response: 6.67

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
22	22	20	15	12

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	
Any additional information	

2.4.3 Teaching experience per full time teacher in number of years

Response: 8.91

2.4.3.1 Total experience of full-time teachers

Response: 2067

File Description	Document
Any additional information	

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: 0.73

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
01	01	00	00	00

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

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

Response: 1.7

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
6	8	7	4	4

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:

Assessment of performance is an integral part of teaching and learning process. As a part of sound educational strategy, the institution adopts Continuous Internal Evaluation (CIE) System to assess all aspects of a student's development on a continuous basis throughout the year.

- **Orientation on Evaluation Process:**
  - The students and their parents are made aware of the continuous evaluation process in the orientation programme.
  - The Academic Calendar notifies the CIE test dates.
  - The CIE consists of three internal tests, unit tests, surprise tests, quiz, seminars etc.
  - Separate assignment books are maintained to keep record of quiz, surprise test, assignment for each theory subjects.
  - Continues viva –voce is conducted during every laboratory hour.
  - Preparatory/mock tests are conducted in few of the courses.
  - Details of IA marks, scheme of evaluation are made available to the students online.
  - Topic wise question banks are provided for all subjects.

- **Result Analysis & Review Meeting:**
  - The performance of the students is monitored by the class teacher after every IA Test. Necessary feedback is given to the students.
- **Progress Reports & Parents Meetings:**
  - Progress reports are sent to the parents after each of the test to appraise the performance of their ward.
  - Parents/ Guardians are advised to note the performance of their wards and take remedial measure. Whenever necessary, the advisor shall recommend the visit of the parent to the college for a discussion about the student.

Remedial Classes are conducted for the slow learners.

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

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

Response:

- The Institute prepares an Academic Calendar in line with university calendar prior to the commencement of each semester notifying the CIE test dates.
- An Internal assessment test committee consisting of a coordinator at the Institution level and departmental coordinators conducts the IA tests as per the schedule.
  - A notification is issued regarding the IA test guidelines and rules for both students and faculty members.
  - Detailed schedule of IA tests and seating arrangements are published in advance.
  - Departmental coordinators monitors the distribution of answer booklets, question papers to the students.
  - A squad team of senior faculty members move around the test rooms for ensuring smooth conduction without any malpractice.
- Evaluated answer books are distributed to the students, grievances if any are addressed.
- Scheme of evaluation is made available to students after the test to know how to present answer and in case of clarifications.
- Details of IA marks, scheme of evaluation are made available to the students online. Also the IA marks will be displayed in the department notice boards within a week time after completion of each internal test.
- A common question paper is set wherever a department has more than one section to maintain uniformity.
- After each internal test, progress reports are made available to the parents, which has cumulative attendance and mark report of their ward.
- For practical subjects a minimum two test are conducted. The laboratory IA marks is the sum of three components namely mark record work, continuous viva and average marks obtained in two tests.

The final consolidated list of CIE marks awarded to the students is displayed in the notice board. Individual student verifies his/her marks and acknowledges the same.

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

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

Response:

- With reference to evaluation, if the student is not satisfied with the obtained result, he/she can apply for revaluation.
- Also the student can apply for a photocopy of his/her answer script. Concerned faculty handling the course evaluates the photocopy and advices suitably.
- University has its own system for redressal of grievances related to examinations. The institute has a separate examination section through which the student grievances are communicated to the University.

Any issues related to the question papers are communicated to the University by the institution authority.

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

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

Response:

- The college prepares an Academic Calendar in line with university calendar prior to the commencement of each semester notifying the CIE test dates. This is made available to all the stake holders.
- In line with the academic calendar detailed IA test schedule is prepared for every program by the test coordinator in consultation with the departmental coordinators. This is approved by the Principal and notified for the students and faculty members.
- The other components of continuous evaluation are carried out & documented by the faculty members and the same is monitored by the head of the department.

The final CIE marks consolidated is displayed in the notice board before the last working day of the particular semester as notified in the academic calendar.

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

2.6 Student Performance and Learning Outcomes

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

Response:

- The PO's and PSO's of all the programmes and CO's of all the courses are stated and uploaded in the college website so that all the teachers and students can go-through it and understand the importance studying/teaching of the respective subjects.

Mechanism of communication

- The CO's of all the courses are available with the syllabus prescribed by the university. This can be accessed through the University website (http://vtu.ac.in/b-e-scheme-syllabus/)
- The PO's and PSO's of all the programmes and the CO's of all the courses are available to the stake holders online through ERP software. (https://srinivasgroup.dhi-edu.com/srinivasgroup_sit/)
- The PO's and PSO's of all the programmes are displayed in the respective department.
- The CO's of all the courses are printed in the course materials (theory subjects) /lab manuals (laboratories) which are made available to the students.
- Every teacher explains the details of CO's of the respective course at the commencement of the course.

All HOD's address the students and staff regarding the importance of CO's towards the attainment of PO's and PSO's.

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

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

Response:

The assessment tools and processes used for measuring the attainment of each of the Program Outcomes (POs) and Program Specific Outcomes (PSOs) are as mentioned below:

Method of assessment of POs / PSOs:

The program outcomes and Program Specific outcomes are assessed with the help of course outcomes of the relevant courses through direct and indirect methods.

Direct method: From the academic year 2017-18, the measurement of attainment of course outcomes is done through the college automation system. Throughout the semester the faculty records the performance of each student on each course outcome. In the Continuous Internal Evaluation process the marks obtained in the internal assessment tests, assignment, quizzes, viva-voce etc are considered for the measurement of attainment of course outcomes.

The end semester university examination results are also a measure of the attainment of the course outcomes.

Average attainment in direct method = University examination result + Continuous Internal Evaluation

Indirect assessment: Indirect assessment strategies are implemented by embedding them in Student Survey, Employer Survey and Alumni Survey.

Finally, program outcomes are assessed with above mentioned data and Program Assessment Committee concludes the POs attainment level.

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

2.6.3 Average pass percentage of Students

Response: 93.75

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

Response: 3346

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

Response: 3569

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: 3.31

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: 52

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	32	20	0	0

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: 6.03

3.1.2.1 Number of teachers recognised as research guides

Response: 14

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: 3

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

Response: 275

File Description	Document
Supporting document from Funding Agency	[View Document](#)
Funding agency website URL	[View Document](#)

3.2 Innovation Ecosystem

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

Response:

The institute has established the Incubation and Innovation Centre to enable start-up ecosystem. This not only provides a platform for innovation but also other initiatives for creation and transfer of knowledge.

Institutional support:

• The Institute provides all the basic infrastructural support i.e. office space, meeting room, platform to do networking, management assistance and other support services specific to incubators.

- Actively support the incubatees with combinations of inputs.

- Each project will be executed by a team of entrepreneurs (students or alumnae)
- The program will cater to the projects that solve problems and find solution to local needs (district and state) rather than global problems and needs.

Some of the activities supported by the incubation centre are briefed here

1. Start-ups:

1. **Fetchit**

Developer: Mr. Akshay V (2016-17)

Fetchit is a smart gadget designed and developed by Fetchit LLP. The gadget is currently under development and is in "Prototype" Stage. Fetchit LLP helps in real time tracking of objects and personal in a confined space. The system has both B2B and B2C ends. The consumer product is a luxurious gadget based on tracking any objects such as keys, wallet etc. The objects can be tracked on a smart phone or tablet devices using a dedicated app. In the business to business phase, Fetchit can be used for real time tracking of any item or personal in a limited area like office space, parks, yard etc.

1. **ASKResults - Android App**

Developer: Mr. Alwyn Edison Mendonca, Shashidhara (2016-17)

ASKResults add-on is helpful for viewing the examination results directly without visiting the University website. It gives all the information about regular semester and revaluation Results. Advanced search option is available fetch the results of the entire class. Also the results can be saved in to a file.

1. **Growth Associates**

Mr. Akshay V (2017-18)

It is a team of entrepreneurs, marketing consultants and motivational speakers dedicated to help out beginners in the business industry and also to help people who have already marked their existence in business for further expansion. This start-up provides business and marketing consultancy.

1. **Rapid Prototyping**

Developer: Mr. Sethuraj (2017-18)

Developed a Rapid Prototyping Machine (3D printing machine), which can create components based on inputs from a 3D- plots. This machine works with higher efficiency and can produce components at low cost. Technique used in this machine is Fused Deposition Modelling (FDM). Composite materials in the powder form can be used for the production of components.

Initiatives:

1. **Skill Development programs**

1. The Institution has inked an MOU with AAKAR Training and Consultancy, Bangalore for training and placement regarding job oriented software.
2. Soft skill development programs are conducted regularly during even and odd semesters to students of second, third year to build their personality and communication skills and make them industry ready, by the invited professionals from the industry.
3. Students are encouraged to take-up internships in industries during their vacation period as a measure of interaction with the industries and accustom them to working atmosphere, culture, means and methods and on the job experience.

File Description	Document
Any additional information	[View 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: 0

3.2.2.1 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
00	0	0	0	0

File Description	Document
Report of the event	[View 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]()

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: 0.21

3.3.3.1 How many Ph.Ds awarded within last five years

Response: 3

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

Response: 14

File Description	Document
URL to the research page on HEI web site	View 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: 0.09

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
8	3	8	3	2

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document
Any additional information	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: 0.63

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
47	65	25	21	15

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 institute promotes neighbourhood network and student engagement in extension activities, contributing to social responsibility and citizenship bearing high moral values, community service and holistic development.

To sensitize students to social issues n*umber* of extension and outreach programs are conducted in the institution in collaboration with industry, community and Non - Government Organisations through NSS, Red cross etc. The Faculty coordinators and members of cultural committee, student association, student clubs, NSS and Red cross wings engage faculty and students into various activities during induction program and ensure their participation throughout the academic year. Institute arranges free health check-up camp, blood donation camp, Pulse Polio Immunization program etc. in association with other institute and recognized bodies namely Srinivas Institute of Medical Sciences, Srinivas Health care Center, Ramakrishna Mission, Dakshina Kannada Consumer Federation, Taluk Panchayat Mangaluru, Prajna Counselling Centre, Centre for Integrated Learning, Forest dept Mangaluru, Sanidhya Residential School, Training Cantre, Dr. M. V. Shetty School of Speech & Hearing Centre etc.

Involvement in such service-learning activities helps students to become mature and socially responsible. Students are motivated to participate in need based outreach activities, such as 'Swachh Bharat Abhiyan', sapling plantation (Vanamahotsava), awareness programs about diseases like dengue, swine flu, AIDS etc. Participation in such activities imbibe the sense of national integrity, environmental and social responsibility among them. These activities help to sensitize and inculcate ethical behaviour among the students. Every year Institute organizes blood donation camp and Vanamahotsava in association with Indian Red Cross. Theme based activities like street play, rally, patient counselling etc. are organized. Students actively participate in various inter- and intra college competitions like Drawing, Elocution, Debate, Essay, Mad-Adds, Extempore etc. during Envision (Techno cultural) and Pratibha (Cultural Fest). These lead to emotional, intellectual, social, and inter-personal development of students. In addition, students have opportunity to improve their leadership, interpersonal skills, self-confidence by organizing And participating in such activities and events

Year	*Department /Club*	*Name of the activity*	*No. of students participated*

2017-18	• ASCEE (March 2018)	Outreach Program (Govt.School visit, Kodman),	05
		Outreach Program(Govt.School visit, Valachil)	
	• ASCEE (Sept 2017)	Paschim Trust	30
		Blood donation Camp	
	• ASMA	Blood donation Camp	
	• AIMES (2018)		
	• AIMES (2017)	Aero modelling workshop	05
	• AERO CLUB		
			151
			222
			35
	• Total		448
2016-17	• ASCEE	Outreach program (Visited Bhagini Samaj)	25
		Outreach Program (Visited Bhagini Samaj Orphanage &Distributed food)	
	• AISE	Distribution of Stittched Uniform to primary school students	21
		Orphanage visit (Snehasadan)	
	• FALCONS		13
	• VOLMAS		10
	• Total		69
2015-16	• AISE	Outreach Program (Visited Bhagini Samaj)	12
		Orphanage visit (Samvedana)	
	• VOLMAS		12
	• Total		24

2014-15	• VOLMAS	Orphanage visit (Samvedana)	*10*	
	• Total		*10*	
2013-14	*0*	*0*	*0*	

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

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

Response: 0

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
00	0	0	0	0

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: 3

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
3	0	0	0	0

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: 2.07

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
138	185	0	0	0

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: 155

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
86	37	16	15	1

File Description	Document
Number of Collaborative activities for research, faculty etc	View Document
Copies of collaboration	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: 3

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
00	01	01	01	00

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

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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:

Classrooms:

The institution has sufficient number of well-furnished & ventilated, spacious classrooms for conducting theory classes.

Laboratories:

All laboratories are well equipped, and well maintained for meeting the requirements of curriculum and also for research activities.

Technology enabled learning rooms:

Each class room and laboratory in the college is provided with Computer system & LCD projector.

Seminar Halls:

Every department has a seminar hall to conduct conferences, workshops and conventions for students and faculty with LCD projector, white board and public address system. The seating capacity of the seminar halls vary from 60 students to 120. Additionally the institution has a central seminar hall of 300 seating capacity and an auditorium of 800 seating capacity.

Tutorial classrooms:

Each department has sufficient classrooms to conduct tutorial classes to the students.

Specialized facilities and equipment for teaching, learning and research:

- The College has exclusive English lab attached with audio, video facility.
- Apart from the central library, departments have departmental library with sufficient number of reference books.
- E-learning facility is provided to both faculty and students.

Details of class rooms, tutorial rooms, seminar halls and laboratories

Particulars	Numbers		Area in sq. m	
	As per VTU/AICTE Requirement	Available	As per VTU/AICTE Requirement	Available
Class Rooms	69	66	4356	8996

Laboratories & Workshops	68	68	6785	11469
Tutorial Room	-	12	-	1359
Central Computer Center/Internet Center	02	01	150	306
Library & Reading Room	02	02	550	1700
Digital Library	-	01	-	100
R & D Center	01	06	-	412
Placement Cell	01	01	30	420
EDP Cell	--	01	-	35
Seminar Halls	-	07	-	1471
Language Lab	-	01	-	100

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:

Sports (outdoor and indoor games), gymnasium:

- The required facilities for outdoor games such as shuttle badminton, volley ball, throw ball, cricket, football, kabaddi, Kho Kho, etc. are available.
- The required facilities for indoor games facility for playing table-tennis, carom and chess are provided in an indoor games room and it is being used by the students regularly.

Auditorium:

The College has a well equipped state of the art auditorium of 800 seating capacity. Additionally an open air auditorium with more than 3000 seating capacity is available in front of the college. The College has an amphitheatre in the library block.

Yoga centre:

To encourage the students to practice yoga for better health, a yoga centre is provided.

Facilities for sports, games (indoor,outdoor, gymnasium, yoga centre etc.,) and cultural activities

Sl. No.	Title	Area in sq. m	Year of establishment	Average User rate
1	Sports ground	10,400	2006-07	72 members per week
2	Indoor games room	100	2006-07	06 members per week
3	Gymnasium	100	2016-17	08 members per week
4	Yoga centre	120	2016-17	07 members per week
5	Auditorium	604	2007-08	275 members per event

File Description	Document
Link for Additional Information	View Document

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

Response: 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 66

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

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

Response: 29.01

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
240	185	165	135	140

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 In

- Name of the ILMS software   : Easylib Software
- Nature of automation (fully or partially) : Fully
- Version   : Easylib Version 4.3.3
- Year of Automation   : 2008

Year	2017-18	2016-17	2015-16	2014-15	2013-14
Number of books added	3248	2980	1290	820	1216

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

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

Response:

Year	Title	Publisher	Author	Published Year	Copies
2013-14	On-Chip Communication Architecture	Elsevier	Pasricha Sudeep;Dutt Nikil	2011	3

Concurrent Engineering Fundamentals	PHI	Prasad Biren	1996	1
Concurrent Engineering	Productivity Press	Hartley John R	1992	1
Static Timing Analysis for Nanometer Design	Springer	Bhasker J;Chadha Rakesh	2009	1
Reuse Methodology Manual	Kluwer Academic Pub	Keating Michael;Bricaud Pierre	2002	2
Binary Decision Diagrams and Applications for VLSI CAD	Kluwer Academic Pub	Minato Shin-Ichi	1996	2
System On a Chip Verification	Kluwer Academic Pub	Rashinkar Prakash;Paterson Peter;Singh Leena	2001	2
Transaction Level Modeling with System C	Springer	Ghenassia Frank	2005	2
Designing the User Interface	Pearson Education	Shneiderman Ben	2005	10
Engineering Design	Tata Mcgraw Hill	Gupta Vijay	1980	2
Pro C# with .NET 3.0	Apress	Troelsen Andrew	2007	2
Mechanical Measurement and Metrology	Subhas	Chandrashekar	2008	1
Foundation of Fluid Mechanics	Prentice -Hall	Yuan S W	1967	2
Fuels and Combustions	Tata Mcgraw Hill	Sharma;Mohan Chander	1987	1
Applied Mathematics	Oxford	Rao S S	1982	2

	Thermal Power Engineering	Pearson Education	Narayana P A Aswatha;Seetharamu K N	1987	2
	Handbook of Computer Networks Vol 1	John Wiley & Sons	Bidgoli Hossein	2008	1
	Handbook of Computer Networks Vol 2	John Wiley & Sons	Bidgoli Hossein	2008	1
	Understanding Automotive Electronics	Newnes	Ribbens William B	2003	3
	The Definitive Guide to the ARM Cortex -M3	Elesevier	Yiu Joseph	2007	2
	Unix Shell Programming	Digital Equipment Corporation	Digital Learning Services	1995	1
	Heat Transfer	McGraw Hill	Ozisik M Necati	1985	3
	Decision Support and Business Intelligence Systems	Prentice -Hall	Turban Efraim;Aronson Jay E;Liang Teng-Peng;Sharada Ramesh	2010	26
2014-15	Information Storage and Management	Wiley	Gnanasundaram Somasundaram;Shrivastava Alok	2009	3
	Seamanship Techniques	Elesevier	House D J	2004	2
	The Definitive Guide to the ARM Cortex -M3	Elesevier	Yiu Joseph	2007	1

	Product Lifecycle Management	Tata Mcgraw Hill	Grieves Michael	2006	5
	Product Lifecycle Management	Springer	Saaksvuori Antti;Immonen Anselmi	2009	5
	Solas	International Maritime Organisation	IMO	2004	1
	Product Lifecycle Management	Springer	Stark John	2004	5
	Fundamentals of the Finite Element Method Finite Element Method for Heat and Fluid Flow	John Wiley	Lewis Roland W;Nithiarasu Perumal;Seetharamu Kankanhally N	2004	2
	Writing Testbenches	Kluwer Academic Pub	Bergeron Janick	2003	1
	Computer Vision and Image Processing	Prentice -Hall	Umbaugh Scott E	1999	3
	Writing Testbenches	Kluwer Academic Pub	Bergeron Janick	2003	1
	System on Package	M G H	Tummala Rao R	2008	2
	Heat Transfer	McGraw Hill	Ozisik M Necati	1985	2
	Introduction VLSI Design	McGraw Hill	Fabricius Eugene	1990	4
2015-16					
	Differential Equations and the	MIR Pub	Elsgolts L	1977	1

	Calculus of Variations				
	A Primer on Computer Aided Machine Drawing	VTU	V T U	2007	3
2016-17	A Primer on Computer Aided Machine Drawing	VTU	V T U	2007	1
	Automobile Electrical and Electronic Systems	Elesevier	Denton Tom	2004	3
	Lean Thinking:Banish Waste and Create Wealth in your Corporation	Massachusetts	Womack James P:Jones Daniel T	2003	1
2017-18	Advanced Aerospace Materials	Springer	Buhl Horst	1992	2
	Total Records :139				

File Description	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

Response: B. Any 3 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: 23

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
25.92	17.3	16.38	25.09	30.32

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: 10.64

4.2.6.1 Average number of teachers and students using library per day over last one year

Response: 333

File Description	Document
Any additional information	[View Document]

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

The institute has a well structured mechanism for the maintenance and updation of the IT facilities.

The maintenance work of the IT facilities are looked after by a team of technicians supervised by a system administrator. The trouble/problems identified in the various computing devices are noted in a complaint

register and the technicians are deputed to resolve the same. In case of major problems i.e. replacement of component/part during warranty they are sent to the respective service centres and got replaced at the earliest.

The IT facilities-computers, Wi-Fi access points, internet bandwidth etc., are regularly updated and augmented as detailed below:

SL	ITEM NAME	ITEM DESCRIPTION	QTY	YEAR OF PURCHASE	NATURE OF UPDATION	DATE OF UPDATION
1	PC	Intel Core 2 Duo processor; 1 GB RAM, 160 GB HDD, 15" TFT Monitor, 101 Keys Keyboard, Optical Mouse	277	2008	New	08-08-2008
		AMD Athlon II Dual-Core processor with 2.7Ghz, 1 GB RAM, 160 GB HDD, 18.5" TFT Monitor, 101 Keys Keyboard, Optical Mouse	35	2009	New	06-08-2009
		AMD Athlon 64 processor with 2.4Ghz, 1 GB RAM, 160 GB HDD, 18.5" TFT Monitor, 101 Keys Keyboard, Optical Mouse	34	2009	New	06-08-2009
		Intel processor Core 2 Duo with 2.00Ghz, 1 GB, 160 GB HDD, 18.5" TFT Monitor, 101 Keys Keyboard, Optical Mouse	36	2009	New	06-08-2009
		AMD Athlon II processor; 1 GB RAM, 160 GB HDD, 8.5" TFT Monitor, 101 Keys Keyboard, Optical Mouse	141	2010	New	18-11-2010
		AMD Athlon II processor with 2.3Ghz, 1 GB RAM, 500 GB HDD, 18.5" TFT Monitor, 101 Keys Keyboard, Optical Mouse	198	2010	New	20-11-2010
		Intel Core 2 Duo processor with 2.00Ghz, 2 GB RAM, 500 GB HDD, 18.5" TFT Monitor, 101 Keys Keyboard, Optical Mouse	65	2012	New	29-09-2012
		LENOVO M5800 3.4Ghz, 4 GB DDR-3 RAM, 500	20	2014	New	07-05-2014

		GB HDD, USB Keyboard, Mouse ;22" wide LED Dell Monitor Desktop				
		Intel core i5 3.4Ghz, 2 GB DDR-3 RAM, 500 GB HDD, PS2 Keyboard/Mouse, 22" Monitor	20	2014	New	25-09-2014
		AMD Athlon QUAD CORE, 3.4Ghz, 2 GB DDR-3 RAM, 500 GB HDD, PS2 Keyboard Mouse with 18.5" Monitor	35	2014	New	25-09-2014
2	SERVER	IBM Server X3250 M3 - Intel XEON Quad Core 2.4 GHz; 14 GB DDR3, 1TB HDD, 15"Monitor, Keyboard, Mouse	1	2011	New	20-09-2011
		IBM Server X3100 M4 Intel Xeon Quad Core; 4 GB DDR3; 1TB HDD; 18.5"Monitor, Keyboard, Mouse	2	2011	New	17-09-2012
3	ROUTER	CISCO 1841 (1800 Series router)	1	2009	New	10-11-2009
4	FIREWALL	Annexgate AG-400	1	2013	New	30-01-2013
5	WIFI	Wireless Access Points (Netgear, Cisco, Linksys, TP-link & D-link)	21	2008 2009 2010 2012	New	14-12-2008 05-08-2009 30-10-2010 05-10-2012

File Description	Document
Link for Additional Information	View Document

4.3.2 Student - Computer ratio

Response: 85:22

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

Response: >=50 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](#)
Link to photographs	[View Document](#)

4.4 Maintenance of Campus Infrastructure

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

Response: 70.93

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
525.63	426.83	424.75	430.7	301.5

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:

Every department maintains a stock register for the available equipments and furniture. Stock verification is being done at the end of every year. Civil and electrical maintenance works will be looked after by the

separate maintenance cell. Few of the equipments are maintained through AMC by external agencies.

Policy details:

Classrooms:

All the classrooms are inspected regularly and maintenance work is carried out as per the need.

laboratory Equipments:

Lab equipments are being maintained with proper maintenance schedules: Routine & planned maintenance and breakdown maintenance.

Computing facility:

It Computing facility is maintained by System Administrator. Preventive maintenance, inspection and servicing activities are being carried out regularly.

Library:

Library Committee serves in an advisory capacity to the College Library on matters of general policy, planning, programs, goals, and objectives. Each Department of the College has one or two representatives in the committee. The tenure of the committee is for a period of one year. The committee meets regularly and takes care of up gradation of library in meeting the faculty and students needs.

Sports:

Sports committee takes care of the requirements to be fulfilled every year as per the students needs

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

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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: 17.88

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
888	1007	278	370	205

File Description	Document
Upload self attested letter with the list of students sanctioned scholarships	[View 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: 6.32

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
329	358	250	18	20

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**

Response: A. 7 or more 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: 14.56

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
498	545	452	384	335

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: 12.49

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
492	639	351	239	196

File Description	Document
Details of the students benifitted 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: 48.24

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
367	373	410	275	271

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: 2.51

5.2.2.1 Number of outgoing students progressing to higher education

Response: 21

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: 0.81

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

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

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
159	196	138	135	111

File Description	Document
Upload supporting data for the same	View 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: 1

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
1	00	0	0	00

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:

The Student Council is the representative body of the students. The Institute provides a platform for the active participation of the students in the various academic & administrative bodies including other activities. This inspires the students in achieving leadership qualities, rules, regulations and execution skills. The Council makes the students participate in the development of the institute as well as in the process of developing their personality and career through interactive programs with the faculty, administration and society. The goal of the student council is to provide a common platform to students for co-curricular and extra-curricular activities. The council is responsible to look after for all the major technical, cultural, literary and sports activities organized in the college premises.

Composition, Duties and Responsibilities of the Council:

Sl. No	Name of the Position	Responsibilities
	President	Spearheading the council activities and planning
2.	Vice-President	Looks after Planning and feasibility measures
3.	Secretary	Executing and monitoring the calendar of activities across the

		academic year.
4.	Joint Secretary	Executing and monitoring the calendar of activities across the academic year.
5.	Treasurer	To plan the budget for the various events handled by the student council, manage the Disbursement of funds allocated to the council and prompt preparation of statement of accounts.
6.	Cultural Secretary	To organize intra and inter collegiate Cultural Festival; members of the committee will have responsibilities such as choosing the talent for the events, coming up with an interesting relevant theme that unifies people, advertising events, and recruiting volunteers; also create awareness of participation in these events both inside and outside the campus
7.	Sports Secretary	To spread awareness of sports in the campus through intra and inter collegiate as well as university level sports participation and organization of such events.
8.	Editor	Spreads the news about the events and generates report to the newspapers and magazines. Overall looking after publicity of collegiate and intra collegiate events.
9.	Placement Coordinator	To assist in placement activities with placement officer in the college and with pool campus activities
10	Envision Organising Secretary Envision Organising Joint - Secretary	To organize intra and inter collegiate Technical Festival; members of the committee will have responsibilities such as choosing the talent for the events, coming up with an interesting relevant theme that unifies people, advertising events, and recruiting volunteer; also create awareness of participation in these events both inside and outside the campus.
11	Cultural Events Organising Secretary	To organize intra and inter collegiate Cultural Festival; members of the committee will have responsibilities such as choosing the talent for the events, coming up with an interesting relevant theme that unifies people, advertising events, and recruiting volunteers; also create awareness of participation in these events both inside and outside the campus
12	Sports Day Organising Secretary	To spread awareness of sports in the campus through intra and inter collegiate as well as university level sports participation and organization of such events.

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: 6.4

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
7	6	7	6	6

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:

The college has a strong Alumni association and it has been registered in the year 2018. Alumni meetings are held on regular basis to build strong network. The alumni members contribute to the college by delivering technical and non-technical talks, career guidance etc. These events are conducted frequently for the benefit of students. These talks help the students to get motivated and to know the current technologies used in the industries. The details of Lectures delivered in each department from our old students in the last 5 years is given in the below table.

Sl. No	Year	Department	Important Area/Topics Delivered	Number of Lectures Organized
1	2017 to 2018	Department of Aeronautical Engineering	Aero-modelling & its Career opportunities	1
2	2016 to 2018	Department of Automobile Engineering	Service and reconditioning of cars	3
3	2013 to 2018	Department of Computer Science Engineering	Best practices for software development, Cyber Security, Relevance of IT etc.	6

4	2013 to 2018	Department of Electronics and Communication Engineering	Image Processing using Matlab, Image Compression, IoT Applications, Project Management and Planning	6
5	2016 to 2018	Department of Electrical and Electronics Engineering	Electrical Wiring, Guidance for applying to various project competitions	3
6	2013 to 2018	Department of Information Science Engineering	Internet Pros and Cons, Project Management, Data Mining, IoT, Cyber Security etc.	5
7.	2017 to 2018	Department Marine Engineering	Introductory talk on shipping industry, plimsoll sensation, job prospects for marine engineers	3
8.	2013 to 2018	Department of Mechanical Engineering	Fuel Injector, Entrepreneur, Job opportunities in Marine Engineering	5
9.	2017 to 2018	Department of Nanotechnology	"Opportunities for Nanotechies in Abroad" & "Opportunities for Nanotechies in India"	2
10.	2013 to 2018	Department of MBA	Banking Rules & Regulations, Mutual Fund Investments & its Benefits, Importance of Interpersonal Skill etc	6
11.	2013 to 2018	Department of MCA	Android, Web, Java, Data Management, C#	11

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

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

Response: <1 Lakh

File Description	Document
Alumni association audited statements	[View Document](#)

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

Response: 5

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

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

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years	[View Document](#)
Report of the event	[View Document](#)

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

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

Response:

Vision:

To transform society by imparting quality technical education in dynamic equilibrium with social, ecological and economic environment, striving continuously for excellence in education, research and technological service to the nation.

Mission:

To provide knowledge based technological education to the students and train them as a competent professional manpower with ethical values to fulfil the needs of the society and industry by implementing the State-of-the Art education including technological innovation.

Following are the Objectives of Institute

- To make available world class education with an Indian ethos to the student community
- To create centre of excellence imparting quality education.
- To offer to the society /industry, academically empowered and ready for the job professionals in diverse fields.
- To foster research and dissipate research findings for the all round development of the nation and community at large.
- To contribute to nation building by generating a pool of human resources trained in science, technology, humanities, management, education and research.

The institute aims at creating equal opportunity to all the aspirants, to prepare their future through education and to build a generation to serve with selfless devotion in whatever capacity they assume and wherever they work. The education provided by the institute suits the interest and talent of the students for contributing professionals in all walks of life which reflects human dignity, mutual respect and induce healthy competition. Institute provides education in a serene atmosphere. The students graduating from this institution are equipped with specialized skills and are industry ready. The young professionals so trained are capable to address community problems for the all-round development of the community and nation at large.

The institute encourages sustainable accomplishment for a harmonious self reliance society maintaining dynamic equilibrium between economic, socio-cultural and ecological environment by means of interactions and MoUs' with national and international organizations of repute.

The Institution is managed by a Governing Council consisting of management representatives; principal, faculty representatives and government/ university nominees.

 The Governing Council meets regularly for strategising academic & administrative related activities. It also monitors & assesses the progress of the institution in meeting the stated vision and mission. The management adopts quality policy decisions for continuous improvement. The Principal ensures effective implementation of the decision taken by the top management.

Regular departmental meetings are conducted and teachers are encouraged to give suggestions and feedbacks for the improvement of academic related matters. The Principal conducts meetings with heads of various departments to discuss policies, procedures and other developmental activities.

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

6.1.2 The institution practices decentralization and participative management

Response:

Decentralization

The organizational structure of the College involves leadership at several levels. Decentralization has been highly effective in taking decisions and implementing them. Both the top down and the bottom up approach are used to initiate new plans / suggestions. The Institute promotes decentralization in academic and co-curricular activities involving staff members and students.

Participatory management

Participatory management approach is practiced at different levels in the college and stakeholders are involved in the process of decision making based on shared insight. This approach is particularly implemented to experience the benefit of participatory management.

Participative Management involving staff and students

The Governing council of the college has two faculty representatives with the Principal as Ex -officio member. At the institutional and department levels, frequent meetings are conducted involving faculty members, heads of the departments and office bearers of various committees, for effective implementation of policies and plans.

Various committees

Internal Assessment: Responsible for conducting the internal Assessment test in an efficient and effective manner.

College Magazine: Committee is responsible for coming up with the annual magazine of the college.

Discipline/Dress Code: The discipline committee ensures that the college discipline is followed by all the students in the college.

Anti Ragging: The committee ensures that the campus is free from ragging. The flying squad of the committee visits the various locations of the college campus and hostels to ensure that the campus is ragging free.

Project: The committee consists of coordinators from all the departments headed by a senior faculty member & lays down the guidelines for final year student projects.

Web/Publicity: The committee takes the responsibility of giving news articles to newspapers for various programs conducted in the college.

Placement support: The committee working under the training & placement department has faculty & student members from various departments.

Lalitha Ranga: The committee takes the responsibility of organizing various cultural activities and competitions on different occasions.

Sports & Recreation: The committee organizes number of sports meets. The committee encourages and facilitates the students to take part in sports activities organized at the college, university, state and national levels.

NSS: The college has an active NSS unit which aims at developing student personality through community service.

Alumni Cell: The cell has built a network of alumni. It organizes guest lectures and invited talks from illustrious alumnae.

Green Cell: The cell ensures that the college adopts various green initiatives such as energy & water conservation, waste management and green landscaping.

Counseling & Career Guidance: The objectives of the cell include improvement of teacher-student relationship, counselling students for solving their personal problems and provide confidence to improve their quality of life.

EDP Cell: This identifies and motivates students to become entrepreneurs. It invites entrepreneurs and organizes workshops and talks to guide the students to become entrepreneurs.

Internal Quality Assurance (IQAC): IQAC prepares annual plan regarding the efforts towards quality enhancement.

Student Council: The council consists of class representatives as members from all the departments, both UG and PG.

File Description	Document
Link for Additional Information	

6.2 Strategy Development and Deployment

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

Response:

A perspective plan of development is essential for the orderly and sustained growth of any organization. It specifies targets to the institution along with allocation of budget. To arrive at the target to be specified, Management seeks the information from all stakeholders and observers. In line with the views of the stake holders, institution determines the needed infrastructure for academic advancement, bringing excellence into the activities and allocates budget accordingly. The institution aims to be a primer institute by acquiring NIRF ranking within top 100 in the next 5 years.

Short Term Perspective Plan:

- To strengthen the existing undergraduate and post graduate courses.
- To improve extent and quality of research and development activity in association with universities and other institutes of repute.
- To improve participation of more faculty members of all the departments in consultancy work and serve the society.
- The outcome based learning process is to be strengthened with a focus on skill development.
- To improve knowledge, skills and attitudes so that all the students become future leaders and entrepreneurs.
- To start doctoral programs in all departments especially in interdisciplinary areas.

Long Term Goals

- To have more collaborations MoUs and tie-ups with industries of repute.
- To carry out quality research to the needs of society and also leading to intellectual property rights.
- To build & promote teams of experts in the upcoming specializations.
- To promote quality research and undertake research projects keeping in view their relevance to needs and requirements of technology in local industry.
- To enhance testing & consultancy facilities to various Government, Semi Government, and private Organizations with a view to enhance additional resources; and with that end in view---to remain in touch with latest demands of the profession.
- To achieve total financial independence.
- To start on-line transfer of knowledge in appropriate technology by means of establishing multipurpose resource centers.
- To establish New Centers in the emerging fields like Bio-Technology, Mechatronics, Artificial Intelligence etc
  .

Activity successfully implemented: R & D activities

VTU Recognised Research Centres: Visveswaraya Technological University has recognised 6 departments as research centres. 23 research scholars have registered under different department for carrying out their research work. 3 research scholars have been awarded PhD from the university under the Chemistry department.

Funded Project Details:

The institute has received funds for three projects under different departments.

File Description	Document
Strategic Plan and deployment documents on the website	[View Document](#)
Link for Additional Information	[View Document](#)

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

The functional authorities of the college work in the following hierarchy.

1. **Governing council**: Functions as an advisory committee and approve policy decisions.
2. **President**: He is the highest authority in the college. He is directly responsible for all policy matter for this institution. He determines the general direction and goal for various activities.
3. **Vice president**: In the absence of the President, the vice president functions as the President. He consults and advices the Principal on academic and administrative matters.
4. **Secretary**: Controls and monitors the administrative aspects of the college.
5. **Principal**: He is in-charge of day to day administration and academic activities of the college.
6. **Deans**: Deans occupy a unique place in the continuum of academic administrators, as the facilitating link among Department Heads, faculty members, staff, students, and University.
7. **HODs**: The HODs are in charge of the departmental administrations and academic activities. They are responsible for the performance of the respective departments.

The organizational structure of the College involves leadership at several levels. In such a system, decentralization has been highly effective in taking decisions and implementing them.

Both the top down and the bottom up approach are used to initiate new plans / suggestions. The institution has the culture of respecting the suggestion/ feedback given by any member of the college community. The plans proposed are discussed at the respective committees, fine-tuned and then implemented. Before finalizing any plan, the need for execution, the resources required and the possible hurdles are carefully

taken care of.

Recruitment and promotion

The selection of candidates for suitable positions is made by a selection committee headed by the president of the governing council, through interview. Promotions are regulated as per promotion policy which depends upon educational & professional qualification, performance in the existing cadre, seniority of the employee and vacancy in the next higher grade.

Grievance Redressal Mechanism

An effective grievance redressal mechanism is functional in the institute, wherein staff members express their grievances to the principal through the Dean (Administration).

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

Response: C. Any 3 of the above

File Description	Document
Screen shots of user interfaces	[View Document](#)
ERP Document	[View Document](#)
Details of implementation of e-governance in areas of operation Planning and Development,Administration etc	[View Document](#)
Any additional information	[View Document](#)

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

Response:

The institution constitutes various committees every year for its smooth functioning. Some of the

committee are:

Internal Assessment: The committee takes the responsibility of conducting the internal Assessment test in an efficient and effective manner.

College Magazine: College Magazine committee is responsible for coming up with the annual magazine of the college. The committee coordinates with different department for the collection of articles, creative arts, photography and arranges for final year students group photos, photos of various committee members.

Discipline/Dress Code: The college discipline committee ensures that the college discipline is followed by all the students in the college. Any violation of discipline in terms of dress code or conduct is reported to the head of the department and action is taken on the violators.

Anti Ragging: The committee ensures that the campus is free from ragging. The committee has a flying squad which visits the various locations of the college campus and hostels to ensure that the campus is ragging free.

Project: The project committee consists of coordinators from all the departments headed by a senior faculty member. This committee lays down the guidelines for final year student projects. This committee assists the students in getting financial assistance from various governmental and non-governmental organizations. Also the committee organizes a project exhibition to showcase the innovative and socially relevant projects.

Web/Publicity: The web/ publicity committee takes the responsibility of giving news articles to newspapers for various programs conducted in the college. It also ensures that the information in the website and social media is updated from time to time.

Lalitha Ranga: The committee takes the responsibility of organizing various cultural activities and competitions on different occasions. The objective of this committee is to provide a platform for the students to exhibit their talents.

Sports & Recreation: The sports committee organizes number of sports meets. The committee encourages and facilitates the students to take part in sports activities organized at the college, university, state and national levels.

Alumni Cell: An active alumni cell is functional in the institute which has built a network of alumni. The committee organizes guest lectures and invited talks from illustrious alumnae. Annual alumni meet is being organized by the committee.

Green Cell: The green cell ensures that the college adopts various green initiatives such as energy & water conservation, waste management and green landscaping.

Counseling & Career Guidance: The cell promotes and ensures a healthy environment & emotional well being of student. The objectives of the cell include improvement of teacher-student relationship, counselling students for solving their personal problems and provide confidence to improve their quality of life.

EDP Cell: This identifies and motivates students to become entrepreneurs. It invites entrepreneurs and

organizes workshops and talks to guide the students to become entrepreneurs.

Student Council: The student council consists of class representatives as members from all the departments, both UG and PG. The council organizes various co-curricular and extra-curricular activities.

File Description	Document
Link for Additional Information	View Document

6.3 Faculty Empowerment Strategies

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

Response:

Sl. No.	Welfare scheme
1	**Fee concession** for children of employees for admission in to programs offered by the institute
2	**Concessional medical facility** for employees in Srinivas hospital.
3	**Maternity leave**: Maternity leave with full pay and allowances shall be granted to married women employees for confinement
4	**Employee Provident Fund**: Employees are eligible for Provident Fund benefits as per the provisions of the Employees Provident Fund benefits as per the provisions of the "Employees Provident Funds and Miscellaneous Provisions Act, 1952" and the scheme framed there under by the Govt. of India from time to time.
5	**Gratuity**: Employees are eligible for gratuity benefits as per the provisions of "Payment of Gratuity Act 1972" and the rules framed there under.

File Description	Document
Link for Additional Information	View Document

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

Response: 1.41

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
3	4	3	2	7

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

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: 8

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

2017-18	2016-17	2015-16	2014-15	2013-14
8	5	8	8	11

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

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: 19.43

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
43	47	56	39	78

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:

Functioning of self appraisal system in college for teaching and non teaching staff

The institute has an established performance appraisal system which is used to refine, modify and change the working skills of the employees.

Self appraisal is taken annually from each employee in a standard proforma detailing the academic performance & achievements. This is then evaluated by the respective heads of the departments which is forwarded to the principal along with a consolidated report. Principal scrutinizes the reports and initiates appropriate actions.

The self-appraisal form seeks the details such as of teaching-learning & evaluation related activities; co-curricular, extension & professional development related activities; professional related contributions; research related contribution; conferences, seminars, workshops, training programs and involvement in institutional activities.

The outcome of the appraisal is communicated to the employee with appreciations and suggestions if any. Following are the some of the measures suggested in light of the review of the performance appraisal report.

- Enhance competency through strengthening knowledge in the subject.
- Increase interaction with the students and promote participation in the learning.
- Concentrate on research and development activities.

Contribute to the specific events organized by the institution. Participate in faculty development programs.

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:

Internal financial auditt

Internal financial audit is conducted by the accounts officer of the institute. Income and expenditure for the financial year prepared by the accounts section is placed before the internal auditor. Suitable suggestions and remarks are given by the auditor to rectify the accounts.

External financial audits

The institute has an effective mechanism for auditing the accounts. The accounts of the college are audited by chartered accountant regularly as per the Government norms by a chartered accountant. The auditor conducts statutory audit at the end of financial year. The auditor checks the receipts with fee receipts & payments with vouchers and relevant supporting documents. After the audit, the report is sent to the Management for review. The finalization of the balance sheet is done by external auditors after examination of books of accounts.

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

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (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
0	0	0	0	0

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	[View Document](#)
Annual statements of accounts	[View Document](#)

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

Response:

The major source of income is from the fees paid by the students. Further, to augment the resources, every department is encouraged to do consultancy projects for industries. Any shortfall for capital expenditure is met by term borrowings from A Shama Rao foundation which is managing the institute.

The utilization of the resources mobilized is illustrated below:

Annual Utilization of Funds under Various Heading (Percentage Wise)

A regular and systematic effort is made to obtain grant-in-aid from various funding agencies- both governmental and non-governmental -through Research and Development Cell. Audited statement and utilization certificates are submitted regularly to the concerned agency.

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

6.5 Internal Quality Assurance System

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

Response:

The quality assurance of the academic and administrative activities of the institute is monitored by the IQAC. The cell reviews the quality aspects of the academic programs and administration. The IQAC of the college was established in 21st Jan 2016.

Objectives of IQAC:

- To develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.
- To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

Functions of IQAC:

Some of the functions expected of the IQAC are::

1. Development and application of quality benchmarks/parameters for various academic and administrative activities of the institution.

2. Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process.
3. Arrangement for feedback response from students, parents and other stakeholders on quality-related institutional processes.
4. Dissemination of information on various quality parameters of higher education.
5. Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles.
6. Documentation of the various programmes/activities leading to quality improvement.
7. Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices.

The Composition, Functions and Implementation of the IQAC shall be as below:

Office bearers of IQAC: 2017-18

Sl. No.	Name	Designation
1.	Dr. Shrinivasa Mayya D, Principal	Chairman
2.	Dr. Thomas Pinto, HOD- Dept. of Mech.	Coordinator
3.	Dr. Jose Alex Mathew-Dept. of EEE	Member
4.	Dr. Shankar K. S, Dept. of Mechanical	Member
5.	Prof. Sandeep Bhat, Dept. of ECE	Member
6.	Prof. Steevan Robert Tellis, Dept. of MBA	Member
7.	Prof. Lokesh V, Dept. of Mechanical	Member
8.	Prof. Avinash H. S, Dept. of Automobile	Member
9.	Prof. Naveen C. R, Dept. of Mechanical	Member
10.	Prof. Dheeraj H, Dept. of MCA	Member
11.	Sri. C. Harsharaj, Office Superintendent	Member

Following are the two examples of best practices institutionalized as a result of IQAC initiatives.

1. **Faculty enablement programmes to improve teaching learning processes.**
   ○ **High Impact Teaching**

A training program for faculty members conducted in the institute with an objective of addressing the challenges of engineering graduates by enhancing quality of engineering education. It adopted an innovative approach with an emphasis on empowering faculty, developing transformative academic leaders and leveraging technology.

- **Workshops/ seminars**

Organized empowering the faculty community with the required skill to be competent enough. Some of the recent workshops/ talks organized by IQAC.

The focus of these Faculty enablement programmes is to improve teaching learning processes inturn improving the employability of students.

2. Student Quality Improvement Programs

Information Search Analysis and Presentation (**ISAP**)

An initiative taken by the institute to build self-confidence and self- assurance among the students in their second year of study. They are made to search technical journals, analyze it, prepare a paper and present it on a day identified. This presentation is critically evaluated and the feedback is given to the student for further improvement.

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

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

Response:

Sl. No.	Mechanisms	Structure, methodologies of operation	Outcome
1	Teachers Diary	The faculty members of the Institute maintain a teachers diary of various academic activities undertaken during each semester. Recently the institute has introduced ERP software to maintain the online version of the teachers diary. The diary includes time table, work plan (lecture plan), work done (compliance of lesson plan) and co/ extra-curricular activities and other responsibilities. The work plan will be prepared at the beginning of the semester to deliver the course content of the syllabus prescribed by the University according to the Academic calendar. This gives a clear picture that the classes are conducted systematically. The work done statement with details of date, class hour and topic covered according to the time table is recorded by the faculty member after completion of every lecture hour. The diary will be scrutinized by the head of the department once in every week and by the principal one in four weeks. The head of the Department reviews the implementation of lecture plans and gives	Faculty member realizes the importance of adhering to the schedules. This has resulted in the 100% completion of the syllabus in a structured manner.

2	Student Feedback on teaching learning process	directions if needed to faculty members. Feedback forms are distributed to the students at the end of every semester. Each student will give ratings ranging from excellent to very poor, under 20 headers covering the teaching learning process for each course. These will be consolidated for each faculty and the feedback is represented through bar charts to bring out the distinct outcomes. This feedback is communicated to individual faculty. Based on the feedback received, each faculty will be briefed by the HOD and Principal and necessary measures are discussed which can improve the teaching learning process in the ensuing semesters. Recently introduced ERP software is also used to collect feedback.	Faculty member takes the feedback and identifies the improvements needed in teaching learning process and take necessary corrective measures.

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

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

Response: 1.4

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
4	2	1	0	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

Response: D. Any 1 of the above

File Description	Document
e-copies of the accreditations and certifications	[View Document](#)
Details of Quality assurance initiatives of the institution	[View Document](#)
Any additional information	[View Document](#)
Annual reports of institution	[View Document](#)

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

Response:

The college has taken measures to improve the quality of students and staff by organizing training programs, workshops, talks by experts etc. The staffs are motivated to participate in such initiatives by the heads of the departments and head of the institution.

Student Training programs:

- **Routine Trainings (SST, CDT etc)**

The college has tied up with professional soft skill training providers to provide soft skill training for the students. Periodic soft skills training will be provided to the students enhance their employability. Apart from this Career Development Training (CDT) is provided periodically to the students by the staff of the Placement and Training department.

- **Company Specific Training**

As a part of the VTU curriculum the students are supposed to undergo internships and projects in different semesters based on the branch of engineering/ Post Graduate course. The university stipulates the time period for such work which varies from one course to another. In this training period the students are supposed to be in the industry and learn and get exposed to the corporate life.

Teaching learning process

The staffs are emphasized to engage in teaching learning process by participating in workshops/ seminars/ Certification courses. The staffs are encouraged to do government recognized/ sponsored online courses like NTPL/SWAYAM/ MOOCs.

R&D Activities

VTU Recognised Research Centres: Visveswaraya Technological University has recognised 6 departments as research centres. 28 research scholars have registered under different department for carrying out their research work. 3 research scholars have been awarded PhD from the university under the Chemistry department. Three funded research projects

Year		2013-14	2014-15	2015-16	2016-17	2017-18
Quality enhancement initiatives						
Student Training programs:	Outcome-Placement %	91	87	93	84	80
	Outcome-Average per annum salary package (Rupees in Lakhs)	3.8	4.1	4.2	4.5	4.6
Teaching learning process	Outcome-Results (Final Year)	97.44	93.77	92.79	90.85	
R&D	Outcome- No. Of publications in journals/conferences	36	60	79	71	114

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: 1

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
0	1	0	0	0

File Description	Document
Report of the event	[View Document](#)
List of gender equity promotion programs organized by the institution	[View Document](#)
Any additional information	[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:

1. Safety and Security:

Womens' Cell: The Institute has established a Womens' Cell in the college campus for the women faculty, staff and girl students, to enhance understanding of issues related to women and to make the college campus a safe place for them. With an aim of creating awareness of their rights and duties the cell organizes and participates in seminars, talks and also takes up women's issues and problems. It also provides a platform for women to share their experiences and views regarding their status in the society and to suggest ways to improve and empower themselves. Aiming at intellectual and social upliftment of the female students, the cell stands for facilitating women's empowerment through guest lectures, seminars, awareness programmes life skill training programmes, entrepreneur training and other welfare activities.

Safety and Security measures:

1. The academic areas and hostels are installed with sufficient number of CCTV surveillance cameras to ensure safety of students.
2. Movement registers are maintained in the hostels under the supervision of wardens for recording check-in and check-out timings of students.
3. Security personnel are deployed at the campus entrance, hostels and other key locations.

2. Counselling:

The institute has established a counseling cell for promoting and ensuring a healthy environment & emotional well being. The objectives of the cell include improvement of teacher-student relationship, counselling students for solving their personal problems and provide confidence to improve their quality of life.

Mentoring system: Additionally the institute has a mentoring system, where individual attention is given for monitoring the academic progress and well being of the students.

- Batches of 20 students are allotted to a mentor (counsellor).
- Each counsellor maintains the academic records of allotted students. Counsellor has direct communication with the students.
- The students meet the respective counsellors regularly. The academic progress of each student is communicated to their parents and appraised of the performance of their ward.
- In case of students with poor attendance /performance, their parents are advised to meet the counsellor & faculty members for discussing corrective measures.
- The counsellors initiate to arrange tutorial classes for slow learners.

3. Common room:

The institute has sufficient number of separate common rooms with necessary amenities for catering the needs of students and faculty.

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: 0

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

7.1.3.2 Total annual power requirement (in KWH)

Response: 550000

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	[View Document](#)

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 34.56

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)
Response: 31108

7.1.4.2 Annual lighting power requirement (in KWH)
Response: 90000

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

Collection and disposal of old papers and books

The maintenance department collects the old waste papers and stores it in store room. All departments comprise of store room for storing of old papers. In our institution after every academic year the old waste papers are disposed to recycler. The details are given bellow

Waste food management:

The institution has taken a step to minimize the food wastage by providing student attendance percentage to canteens and students should get permission for warden before leaving from hostel. The waste food from the college and the hostel is disposed biogas plant. The biogas plant is located near to the college canteen. The details of gas plant are given bellow.

Plant size: 2.23 cubic m

Gas production rate: 1.13 cubic m/day

Feeding quantity: 30kg/day

Liquid waste management: **Sewage Treatment Plant**

The institution has a well equipped Sewage Treatment Plant consisting of four units. The treated water is used for the gardening. The details are mentioned bellow:

Capacity of each unit: 75,000 litres

E-waste management:

All non-usable electronic devices are disposed to recyclers.

File Description	Document
Link for Additional Information	View Document

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

Rain water harvesting pits: The institute is having rain water harvesting pits at different locations for strengthening of ground water level. These surface runoff harvesting pits are dug in the open places where the bore wells are located. These pits collect the rain water flooding out to the drainage to a great extent and recharge the ground water table. The pits are cleaned periodically and the organic rich mud available is used as manure for garden.

Recharging of bore wells: Rainwater collected from rooftop of the building is diverted through drainpipes to settlement or filtration tank. After settlement filtered water is diverted to bore wells to recharge deep aquifers. First one or two shower water is flushed out through rain separator to avoid contamination.

File Description	Document
Link for Additional Information	View Document

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

Response:

Students, staff using

Public transport:

In order to overcome the locational disadvantage, the institute has provided public transport system for students and staff from selected locations in and around Mangaluru. About 60% staff and students residing in these areas are using this facility.

Pedestrian friendly roads: The institution has pedestrian friendly roads between the different department blocks within the campus.

- **Plastic free campus:** The institute is a "plastic free campus " where usage of plastics is completely banned. Dustbins are provided in the campus and students are encouraged to use them extensively.

- **Paperless office:** All The information and notifications from office are sent through e-mail, social apps, college apps and office management system (dhi) in order to minimise usage of paper.

Green landscaping with trees and plants: The institute has green landscaping with lush-green garden, plants and trees all around the campus.

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

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

Response: 0

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
0	0	0	0	0

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)**

Response: C. At least 4 of the above

File Description	Document
Resources available in the institution for Divyangjan	[View Document](#)
link to photos and videos of facilities for Divyangjan	[View Document](#)

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

Response: 1

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
0	1	0	0	0

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

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

Response: 4

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
0	0	0	2	2

File Description	Document
Report of the event	

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
Any additional information	
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	

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

Response: Yes

File Description	Document
Any additional information	
Provide URL of website that displays core values	

25-08-2022 11:03:40

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

Response: Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	[View Document](#)

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

Response: Yes

File Description	Document
Any additional information	[View 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: 10

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
4	2	1	1	2

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:

Republic Day Celebration-26th January

The Republic Day is being celebrated on January 26th every year to mark the day on which the Constitution of India came into effect in 1950.

International Yoga Day- 21st June

Srinivas Institute of Technology is celebrating the International Yoga Day on 21st June since 2015. Special yoga session is being organized in which the students and staff taking part in large numbers . The main aim is to create awareness and ignite a passion for fitness through yoga.

Independence Day Celebration-15th August

The institute celebrates Independence Day on 15th August every year.

Teachers' Day Celebration-5th September

The Teachers' Day is being celebrated in the institute on September 5th every year to commemorate the birth anniversary of Dr.Sarvepalli Radhakrishnan who was a noble teacher and India's first vice president & second president. He was a great scholar, philosopher and Bharat Ratna recipient.

Engineers' Day Celebration-15th September

Engineers day is being celebrated in the institute on September 15th every year in honour of Sir M. Visvesvaraya. He served as the diwan of Mysore State and was considered to be the architect of the all-round development of Karnataka. Internationally recognised for his genius in harnessing water resources, he was responsible for successful design and construction of several river dams, bridges and implementing irrigation and drinking water schemes all over India.Among his most successful projects are the design and construction of the K.R. Sagar dam and its adjoining Brindavan Gardens, turn-around of the Bhadravati Iron and Steel Works, setting up of the Mysore Sandalwood Oil Factory and the founding of the Bank of Mysore.

Gandhi Jayanti- 2nd October

Gandhi Jayanti is being celebrated on 2nd October every year in the institute to mark the occasion of the birthday of Mohandas Karamchand Gandhi, who is known as the "Father of the Nation".

Rastriya Ektha Divas- 31st October

The institute celebrates the Rastriya Ektha Divas on 31st October to pay tribute to Sardar Vallabhbhai Patel on his birth anniversary, who was instrumental in keeping India united.

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:

The institution maintains transparency in its financial, academic, administrative and auxiliary functions. The details of financial transactions is well documented and is being audited by charted accountant

The Academic and Administrative Audit cell of the institute conducts regular audits of the academic and administrative matters. All the academic related matters pertaining to internal test, attendance, course information, feedback etc. are available in the ERP software (dhi spaneos). All academic informations like circulars, institution events, and department programs etc. are intimated to the students through SITMangalore App.

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:

Best Practice -I

1. Title of the Practice

 Student Mentoring System

2. Objectives of the Practice

- Understanding and solving the problems of students and improving their quality of life.
- Guiding the students to choose better career path for job, higher studies, Entrepreneurship, etc.
- Strengthening of teacher-student relationship.

3. The Context

The following are the issues which motivated the institute to implement the mentoring system:

- To mould the students to compete in the challenging global environment.
- The practice focuses on addressing of conflicts in attitudes, habits, and learning practices.
- Need for better coordination of lectures, tutorials and practical classes.
- To promote collaborative studies among small groups of students.

4.The Practice

A Batch of 20 students is allotted to a mentor (counsellor). Each counsellor maintains the academic records of allotted students. Counsellor has direct communication with the students. The students meet the respective counsellors regularly. The academic progress of each student is communicated to their parents and appraised of the performance of their ward. In case of students with poor attendance /performance, their parents are advised to meet the counsellor & faculty members for discussing corrective measures. The counsellors initiate to arrange tutorial classes for slow learners.

5. Evidence of Success

Evidence of success in performance against targets and benchmarks and Review of results given below.

- Student's attendance had improved after counseling by the mentors.
- The direct communications between mentor and students have improved the teacher-student relationship.
- Academic performances of the students have improved.
- Participation in extra-curricular activities has been enhanced.
- Students become more disciplined.
- Students maintain harmonious relationship among themselves.
- Students performed better in placement activities.

6. Problems Encountered and Resources Required.

Students often find it difficult to meet their mentors due to the hectic academic schedule. To address this common free slots in the time table are provided wherever possible.

As some of the faculty members have no expertise in counseling, an intensive training is required. In this regard assistance is being provided by department heads and senior faculty members.

Best Practice -II

1. Title of the Practice

Student Activity Forums for Excellence (SAFE)

2.Objectives of the Practice

To provide platform for students to showcase talents in their area of interest.

3. The Context

A number of clubs and associations are formed in the institute which provide opportunities to a large number of students of similar skills to come together and exhibit their talents.

4. The Practice

The following clubs/ associations are functioning in the institute :

1. Sports & Recreation   2. Kannada sangha   3.Lalitha Ranga

4. Aero Club (AMARA)   5**.** College Magazine 6.NSS 7. SAE collegiate club, 8. CSI students' chapter, 9. ISTE students' chapter, 10. IETE 11. IEI students' chapter

5. Evidence of Success

- Participation of students in various events has increased.
- Improvement in the self confidence of the students
- Improvement in the co-ordination and interaction between of students of various departments**.**

Year	2017-18	2016-17	2015-16	2014-15	2013-14
Number of students participated in outside					
Sporting events	28	12	2	11	8
Technical events	234	34	20	12	-
Cultural events	63	11	1	-	-
Social activities	10			1	

6. Problems Encountered and Resources Required

- Lack of time availability due to busy academic schedule to conduct the club activities
- Balancing of academic and extracurricular/club activities

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

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:

Transformation of economically and socially weak students

Substantial numbers of students with socially weak and economically poor background take admission for various programs of the institute every year. The identification of the students background is on the basis of government quota. Economically poor students are identified as those who take admission under Super Numerary Quota (SNQ). Socially weak students are identified as those who take admission under SC/ ST/ OBC category.

When these students get admitted in to the institute, slow learners among them are segregated and they are asked to attend bridge courses in the subjects like mathematics, computer science, basic electronics etc. This enables them to be comfortable with some of the engineering courses requiring the above knowledge.

At the beginning of the 1st semester, an orientation program is arranged which introduces various engineering streams and gives an overview of the different courses. This program facilitates the students to understand and clarify the purpose pursuing engineering program of their choice. The institute has a student mentoring system, wherein 20 students are taken care by a mentor. They meet regularly to set right issues if any. Mentor act as a local guardian, who helps the students to overcome home sickness and other psychological issues. The mentor takes special care about the economically and socially weaker students by interacting with them separately.

In the second year, in-order to build self-confidence and self- assurance students are made to search technical journals, analyze it, prepare a paper and present it on a day identified (ISAP program). This presentation is critically evaluated and the feedback is given to the student for further improvement. Students are motivated to join various clubs and associations for participating in various activities. Special attention is given weaker students and they are motivated to take part in extra-curricular and co-curricular activities. Special training sessions are arranged on soft-skills to nurture them in the process of getting them placed. In addition the training & placement cell organizes sessions on personality development programs on a regular basis which helps them to become academically & socially strong and build up self-confidence among them.

These students are encouraged to participate in various techno-cultural activities being held in various professional institutes. Special technical seminar and workshops are conducted in the departments to expose them for the industrial trends and techniques. They are also made to undergo internships in industries and R&D organizations for gaining hands on experiences.

Extension activities and outreach programmes are arranged to make them aware of their social

responsibilities.

The academically weak students are identified by the mentors and are facilitated with tutorial and remedial classes throughout.

All the above measures are aimed at transforming economically and socially weak students and make them self-reliant & employable.

The impact of these initiatives is reflected through a sample study of students who joined the institute in the year 2014-15 and passed out in 2017-18.

Type of students	Students enrolled for 4th year (2017-18)	Aggregate results (1-7 sem)	On campus placements
Economically deprived	41		17
Socially weaker	260		56

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

5. CONCLUSION

Additional Information :

A. Shama Rao foundation manages **Srinivas group of colleges** which is established in the year 1988. The foundation is the dream of an ideal teacher Late **A. Shama Rao**, which has been made a reality by his noble son **CA. A. Raghavendra Rao**, a renowned chartered accountant of Mangaluru.

Srinivas Institute of Technology, which is a part of

with an endeavor to develop a centre of excellence, imparting quality education, to generate competence and skill to meet the scientific, technological, managerial and socio economic challenges. The Foundation in its tri-decennial milestone serving mankind, manages a plethora of institutes and other social service organizations.

Excellence is the hallmark of Srinivas group of colleges which delivers professional manpower to the industry and the nation at large. The Group has been constantly striving to provide the best faculty members and state-of-the art facilities. The students are encouraged and supported not only to excel in academics, but also to develop their personality through co-curricular, extra curricular activities and other extension activities.

Concluding Remarks :

In a globally competitive environment, the institution constantly strives towards improving teaching-learning and research culture. Apart from the regular University curriculum, students at the institution are trained in a holistic way by inculcating ethical and moral values, self-motivation and social awareness which makes them responsible future citizens. Institution works towards continuous improvement of teaching methodologies by adapting best practices. Students are trained to enhance their employability skills by renowned academicians and industry professionals.

The institute provides technology-enabled, congenial and eco-friendly environment for producing successful professionals by imparting quality technical education.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification
1.1.2	Number of certificate/diploma program introduced during the last five years 1.1.2.1. **Number of certificate/diploma programs introduced year-wise during the last five years** Answer before DVV Verification: {TABLE1} Answer After DVV Verification : {TABLE2} Remark : The HEI has not attached the required sanction of the university nor any syllabus. There are no details with the response to clarification.
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 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 Answer before DVV Verification: {TABLE3} Answer After DVV Verification : {TABLE4} Remark : As per the HEI response in clarification and the attached data. BOE has not been considered. Faculty on the same BoS for the subsequent year has not been counted.
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 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 Answer before DVV Verification: {TABLE5}

TABLE1:

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

TABLE2:

2017-18	2016-17	2015-16	2014-15	2013-14
0	00	00	0	00

TABLE3:

2017-18	2016-17	2015-16	2014-15	2013-14
11	11	11	08	07

TABLE4:

2017-18	2016-17	2015-16	2014-15	2013-14
02	04	01	06	02

TABLE5:

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

| 115 | 159 | 336 | 73 | 0 |

Answer After DVV Verification :

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

Remark : The HEI in its response has commented that Since the Institute is affiliated , there is no provision to get the approval for the certificate programs. Hence the Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise is 00

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

2.1.1.1. Number of students from other states and countries year-wise during the last five years
Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
83	154	290	323	453

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
83	154	290	322	460

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

2.3.2.1. Number of teachers using ICT
Answer before DVV Verification : 205
Answer after DVV Verification: 158

Remark : As per the HEI data attached with the Metric in response.

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

2.3.3.1. Number of mentors
Answer before DVV Verification : 147
Answer after DVV Verification: 141

Remark : As per the HEI data attached with the Metric in response.

2.4.2	Average percentage of full time teachers with Ph.D. during the last five years

2.4.2.1. Number of full time teachers with Ph.D. year-wise during the last five years
Answer before DVV Verification:

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

| 22 | 22 | 20 | 15 | 12 |

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
22	22	20	15	12

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

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

Answer before DVV Verification:

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

Answer After DVV Verification :

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

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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
14	17	20	13	11

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
6	8	7	4	4

2.6.3	Average pass percentage of Students

2.6.3.1. Total number of final year students who passed the examination conducted by Institution.
Answer before DVV Verification : 591
Answer after DVV Verification: 3346

2.6.3.2. Total number of final year students who appeared for the examination conducted by the institution
Answer before DVV Verification : 637
Answer after DVV Verification: 3569

	Remark : As per the HEI data attached with the Metric in response.
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) 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) Answer before DVV Verification: 	2017-18	2016-17	2015-16	2014-15	2013-14
---	---	---	---	---
0	32	20	0	0 | Answer After DVV Verification : | 2017-18	2016-17	2015-16	2014-15	2013-14
---	---	---	---	---
0	32	20	0	0	
3.2.2	Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years 3.2.2.1. Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years Answer before DVV Verification: 	2017-18	2016-17	2015-16	2014-15	2013-14
---	---	---	---	---
2	0	0	0	0 | Answer After DVV Verification : | 2017-18	2016-17	2015-16	2014-15	2013-14
---	---	---	---	---
00	0	0	0	0	
3.3.1	The institution has a stated Code of Ethics to check malpractices and plagiarism in Research Answer before DVV Verification : Yes Answer After DVV Verification: Yes
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
71	35	23	37	13

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
8	3	8	3	2

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
57	70	33	30	20

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
47	65	25	21	15

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

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

Answer before DVV Verification:

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

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
00	0	0	0	0

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: *(table below)* Answer After DVV Verification : *(table below)*

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
835	385	0	0	0

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
138	185	0	0	0

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
86	37	16	15	1

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
86	37	16	15	1

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
8	9	9	8	2

Answer After DVV Verification :

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

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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
225	200	175	125	150

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
240	185	165	135	140

Remark : As per of the expenditure by means of audited expenditure income statements for FY 13-18, signed by the CA and countersigned by the principal attached in response.

4.2.5	Availability of remote access to e-resources of the library Answer before DVV Verification : Yes Answer After DVV Verification: Yes
4.2.6	Percentage per day usage of library by teachers and students 4.2.6.1. Average number of teachers and students using library per day over last one year Answer before DVV Verification : 333 Answer after DVV Verification: 333
4.3.4	Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS) Answer before DVV Verification : Yes Answer After DVV Verification: No
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
7	0	0	0	2

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
1	00	0	0	00

Remark : As per the HEI data attached with the Metric in response. The HEI has claimed two

awards of Chaitra in the same competition in the same year. The highest award is considered. Manipal and Pune Engg College competitions are local and not national / international level .

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
7	6	7	6	6

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
7	6	7	6	6

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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
9	5	15	7	11

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
8	5	8	8	11

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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
156	76	58	59	85

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
43	47	56	39	78

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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
4	4	1	0	0

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
4	2	1	0	0

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

Answer before DVV Verification : B. Any 3 of the above
Answer After DVV Verification: D. Any 1 of the above

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

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

Answer before DVV Verification:

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

Answer After DVV Verification :

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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
1	1	1	6	1

Answer After DVV Verification :

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

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

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

Answer before DVV Verification:

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

Answer After DVV Verification :

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

| 7.1.12 | Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

Answer before DVV Verification : Yes
Answer After DVV Verification: Yes |
|--------|--|
| 7.1.15 | The institution offers a course on Human Values and professional ethics

Answer before DVV Verification : Yes
Answer After DVV Verification: Yes |
| 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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
9	13	4	2	4

Answer After DVV Verification :

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

2.Extended Profile Deviations

ID	Extended Questions
1.1	Number of courses offered by the institution across all programs during the last five years Answer before DVV Verification : 659 Answer after DVV Verification : 956
1.2	Number of programs offered year-wise for last five years Answer before DVV Verification: {table1} Answer After DVV Verification: {table2}
2.3	Number of outgoing / final year students year-wise during the last five years Answer before DVV Verification: {table3} Answer After DVV Verification: {table4}
3.1	Number of full time teachers year-wise during the last five years Answer before DVV Verification: {table5}

1.2 tables:

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
22	25	25	24	24

Answer After DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
22	24	24	23	23

2.3 tables:

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
700	733	498	487	437

Answer After DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
835	874	610	626	624

3.1 table:

Answer before DVV Verification:

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

| 232 | 308 | 294 | 289 | 253 |

Answer After DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
232	308	294	289	253

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
345	375	355	325	275

Answer After DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
345	375	355	326	276

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