

## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY, BANGALORE
Name of the head of the Institution	Dr.V.R.MANJUNATH
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	080-2847702425
Mobile no.	9686353940
Registered Email	principal@sirmvit.edu
Alternate Email	sirmvitbgl@gmail.com
Address	OFF INTERNATIONAL AIRPORT ROAD, KRISHNADEVARAYA NAGAR, BANGALORE-562157
City/Town	Bengaluru

State/UT	Karnataka																		
Pincode	562157																		
<b>2. Institutional Status</b>																			
Affiliated / Constituent	Affiliated																		
Type of Institution	Co-education																		
Location	Urban																		
Financial Status	private																		
Name of the IQAC co-ordinator/Director	Dr. E. KAVITHA																		
Phone no/Alternate Phone no.	08028477024																		
Mobile no.	7259589702																		
Registered Email	dr.kavitha_te@sirmvit.edu																		
Alternate Email	kavimail3@gmail.com																		
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)	<a href="https://www.sirmvit.edu/naac/">https://www.sirmvit.edu/naac/</a>																		
<b>4. Whether Academic Calendar prepared during the year</b>	Yes																		
if yes, whether it is uploaded in the institutional website: Weblink :	<a href="https://www.sirmvit.edu/calendar-of-events/">https://www.sirmvit.edu/calendar-of-events/</a>																		
<b>5. Accreditation Details</b>																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accreditation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B++</td> <td>2.87</td> <td>2018</td> <td>03-Jul-2018</td> <td>02-Jul-2023</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accreditation	Validity		Period From	Period To	1	B++	2.87	2018	03-Jul-2018	02-Jul-2023
Cycle	Grade	CGPA	Year of Accreditation	Validity															
				Period From	Period To														
1	B++	2.87	2018	03-Jul-2018	02-Jul-2023														
<b>6. Date of Establishment of IQAC</b>	01-Aug-2015																		
<b>7. Internal Quality Assurance System</b>																			
Quality initiatives by IQAC during the year for promoting quality culture																			

Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Academic Audit	15-Mar-2018 3	50
FDP on outcome Based Education	21-Jan-2019 2	40
Quality in the Internal Test Question Paper	16-Aug-2018 2	70

**8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/ Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dept of Biotechnology	SEED Division	DST	2018 2	390600
No Files Uploaded !!!				

**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View File](#)

**10. Number of IQAC meetings held during the year :**

3

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

No

Upload the minutes of meeting and action taken report

No Files Uploaded !!!

**11. Whether IQAC received funding from any of the funding agency to support its activities during the year?**

No

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

Preparation of Calendar of events in the beginning of every semester. Academic Audit every semester Preparation of Strategic plan for all Departments. Quality Check in the Internal Test Question papers Designing Alumni Survey forms. Student Feedback forms Revisions.

[View File](#)

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

Plan of Action	Achivements/Outcomes
Academic Audit	Academic Audit was conducted in all Departments
Preparation of Calendar of events	Calendar of events for all semesters was prepared.
Conduction of Faculty Development Programme on outcome based Education	Faculty Development Programme on outcome based Education was conducted
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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	07-Apr-2018
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	06-Aug-2019
17. Does the Institution have Management Information System ?	No

## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Planning and Implementation

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

The institution follows the curriculum designed by the Visvesvaraya Technological University (VTU), Belagavi. Based on Visvesvaraya Technological University (VTU) calendar, College Calendar of Events are planned for every semester in our Institution. The following is the process involved in improving effective curriculum delivery Adherence to academic calendar • At the end of the previous semester, elective counseling will be conducted by expert faculty giving an option to the student for choosing any electives. • At the end of the semester faculty members are given an option to elect the subject based on their expertise for better content delivery. • Based on the subject chosen by the faculty, course materials have to be prepared before semester beginning. • The same course material is maintained in the department library and main library for the students reference. • Lab manuals and Question banks are prepared based on previous year question paper and distributed to all the students onwards better learning and preparation for university examinations. • Calendar of events prepared for every semester and displayed for the students reference towards their prior knowledge and preparation for the events.

Instruction methods using pedagogical initiatives. • Based on the course outcomes defined for every course, real time (life) applications are discussed during the class hours. • Step by step analysis of a process is taught using modern tools and innovative Teaching Methodologies. • The students are encouraged to utilize web based learning such as EDUSAT (University online classes), NPTEL videos. • Digital library (journals), IEEE University Consortium. Quality of laboratory experience with regard to conducting experiments • Lab in-charge will prepare lab manuals, cycle of experiments before commencement of semester. • Students are explained with the laboratory concepts every week prior to their conduction of experiment. • Each batch is comprised of three members leading to individual & team-learning process effectively. • Students will conduct the experiments & results are tabulated in the observation book and practical record book. • Student's preparation will be evaluated by continuous evaluation adapted in Lab. • Lab internals are conducted at the end of the semester & evaluated based on their weekly performance, lab internals & for Viva- voce. • Regular absence is monitored by staff in-charge & it is conveyed to parents through HOD, Class teachers & proctor. • Encouraging bright students & assisting weak students The bright & weak students are identified based on their academic performance. Encouraging bright students • Toppers in the class are identified, displayed their photos in prominent places in college, newsletters & they are awarded with appreciation certificates. • Students are motivated to write proposals, present papers. Assisting slow learners Students • Tutorial classes are conducted for weak students, discussing the problems & motivating students to perform well. Proper care is taken by the faculty members in monitoring the performance, & counseling is done by respective proctors & class teachers.

#### 1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
No Data Entered/Not Applicable !!!					

### 1.2 – Academic Flexibility

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

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		

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

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	CSE, ISE, ECE, MECH, BT, TELECOM, CIV, EEE	05/01/2018
MBA	MBA	05/01/2018
MCA	MCA	05/01/2018

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

	Certificate	Diploma Course
Number of Students	13	0

### 1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Workshop, Student Development Programme, Faculty Development Programme, NPTEL	08/08/2018	527

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

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Information Science and Engineering	72
BE	Computer Science and Engineering	135
BE	Telecommunication Engineering	48
BE	Civil Engineering	43
BE	Biotechnology	38
BE	Mechanical Engineering	141
BE	Electronics communication Engineering	134
BE	Electrical Engineering	107
Mtech	MTech Program in Biotechnology and Biochemical Engineering	3
Mtech	Electronics	3
Mtech	Computer Integrated Manufacturing	2
MBA	MBA	227
MCA	MCA	54

### 1.4 – Feedback System

#### 1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
<p>Student feedback of Teaching Learning process and actions taken (Feedback file, and Minutes of Meeting with the faculty who gets less feedback i.e less than 60 ) .The students are supposed to fill the online feedback form for each of the faculty, those are handling the subjects for them. The feedback is based on the following parameters. 1.Methodology 2.Self confidence 3.Presentation 4.Encouragement 5.Interest in the class 6.Punctuality and Regularity 7.Discipline 8.Impartiality 9.Motivation This feedback is taken once in a</p>

semester. If a faculty gets the feedback below 60, he or she will be asked the explanation and if required, will be counselled by the H.O.D. We get feedback from all the stake holders like Alumni, Parents, Employers, students, faculty members and corrective actions were taken periodically and we have strengthened the Academic system with the help of feedback. We have seen the success of evidence after the corrective actions are taken and implemented based on the Feedback system.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	B.E	750	634	634
Mtech	M.TECH	68	10	10
MCA	MCA	60	11	11
MBA	MBA	120	117	117

### 2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	634	138	162	20	9

### 2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
182	150	2	50	2	6

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

Mentoring System The Mentoring System is introduced in the Institute with the intention of providing continuous support to the student community in regards to their academic and personal growth. The system mainly focuses on constantly monitoring the academic performance, cocurricular and extracurricular activities of the students thus enabling their overall growth. Objectives • Monitor the academic performance • Encourage in cocurricular and extracurricular activities • Promote healthy relationship between teacher and student • Counsel during difficult times of student's personal problems • Improve the overall selfconfidence of the student Process At the institution level, a Student Welfare committee is constituted which consists of a student welfare officer and committee members. At the department level, Local Guardian (LG) committee of each department consists of HOD as the chair person, Department LG coordinator and individual teachers as LG Counselors. The HOD monitors the overall functioning of the committee. The appointed Local Guardian has the responsibilities of: Identifying the educational needs of the weaker section of the students, conducting tutorial and remedial classes for them and monitoring their growth. Motivating the creamy layer of the students to get university ranks, do higher studies, become entrepreneurs, and do better in their future career. Develop soft skills, interpersonal relationship, participate in cocurricular and extracurricular activities. The department maintains a LG Diary containing complete details about each student like student profile, semester details, placement details, extracurricular activities and higher studies information. The department allocates 3035 students for each LG

counselor. The students are counseled on a regular basis (i.e. twice a semester) and also on a need basis. LG counselor will take the appropriate measures for their students like, communicating to the parents, talking to the student in person. In the case of students who need extra counseling, the information will be passed on to the HOD and a Individual counselor will prepare a report for the LG students providing the counseling details. Faculty members submit the LG report to the LG coordinator twice a semester. Hard and soft copy of the LG reports will be maintained by the Coordinator and will be sent to the principal's office as and when requested. As part of the LG scheme, Parent Teacher meeting is conducted once a year wherein a provision for parents to communicate with HOD and individual faculty members is provided.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
772	182	1:32

## 2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
772	182	0	8	43

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
<b>No Data Entered/Not Applicable !!!</b>			

## 2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	ECE CSE ISE EEE MECH BT CIV TC	EVEN SEM	17/06/2019	09/09/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

• Internal Test Evaluation Scheme of evaluation is prepared by respective subject teachers and evaluated accordingly. The faculties after every internal assessment test, explain the solution of the questions in the class which will enable them to perform well in the final examination. • Assignments Evaluation Unsolved exercise problems are given as assignment in numerical subjects and case studies are given for theoretical subjects. Before each internal test, Assignment questions for the syllabus covered for the each course will be given and submission dates are announced by the respective faculty members. The marks allocated for assignment is based on the scheme. From Academic Year 20192020, the assignments are of different types of activities like Group discussions, Surprise test, Quiz, Case studies, Seminars and mini projects. III. Effective Process Implementation • The department conducts three internal assessment tests and the duration of the test is 90 minutes and question paper is set to make the student to learn time management. • Each test covers one third of the syllabus. • The tests are conducted for a maximum of 50/40/30 marks based on scheme. • Scheme of evaluation is prepared by respective subject teachers and



evaluated accordingly. • For each Internal test evaluation, the total marks is the sum of the test marks scored and assignment marks . • The Final Internal Assessment marks is the average of the marks obtained from two /three test based on the scheme. Conduct of Experiments (Observation in Lab) The University prescribes 2 laboratory subjects per semester and the Laboratories are conducted in a practical session of 3 hours per week for each laboratory. The 2 laboratories are run simultaneously by dividing the whole class into two Batches. The faculty delivers the instructions for the program/experiments to be conducted. The students have to execute the experiments and need to maintain the observation and laboratory records. For safety measures, do's and Don'ts are displayed in every laboratory and students are instructed to strictly follow the same. Continuous Assessment in the laboratory • The faculty will monitor the progress of program/experiment carried out by each student along with error analysis and debugging, conduction of program with manual tracing. • The students will write the programs/experiment in observation book, execute and submit the record in the subsequent week duly written with all the information related to the program/experiment. Viva questions will be prepared in advance for all the experiments and provided to students before the university examinations. • At the end of the semester an internal practical tests is held in line with university practical examination and marks are awarded . • At the end of semester, students are evaluated with respect to their understanding level of the program. In 2018 Scheme. the total marks for the Lab is 100 marks out of which internal marks is 40 and external exam marks is conducted for 100 Marks reduced to 60 marks by VTU. The allocation of marks for total IA of 40 marks is Attendance 5Marks, Observation 5

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

VTU prepares academic calendar per semester each year and notifies each college. SIR MVIT makes institute calendar of events, which will be in line with the University's Academic calendar. The academic calendar includes the dates for registration and the commencement of classes and the last working day of the semester. It also includes the general holidays, and the dates for college fests like Kalanjali, Fresher's day etc. The dates for all the internal tests also will be published in the calendar Adherence to VTU and Institute Academic Calendar • Based on the academic calendar of the college, lesson plan with course outcomes are framed by the subject handling faculty before the semester commencement and approved by Head of the Department. • According to the lesson plan, record of class work will be inculcated in the Attendance register of each subject by the respective faculty members to ensure coverage of syllabus monitored by Head of the Department.

## 2.6 – Student Performance and Learning Outcomes

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

<https://www.sirmvit.edu/>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
CSE	BE	CSE	135	133	98
ISE	BE	ISE	72	71	98
TELECOM	BE	TELECOM	48	45	94

ECE	BE	ECE	134	133	99
BIOTECH	BE	BIOTECH	38	38	100
CIVIL	BE	CIVIL	43	40	93
EEE	BE	EEE	107	106	99
MBA	MBA	MBA	117	114	97
MCA	MCA	MCA	56	56	100
MTECH	Mtech	CIM	2	2	100
M.TECH	Mtech	BIOTECH	3	3	100
M.TECH	Mtech	ELECTRONICS	3	3	100
B.E	BE	MECHANICAL	141	119	84

## 2.7 – Student Satisfaction Survey

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

<https://www.sirmvit.edu/>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	1.5	BIRAC	48.25	14.47
Interdisciplinary Projects	2	Power Health Technologies	2	1
Industry sponsored Projects	1	Value Pitch Technologies	1	1
Industry sponsored Projects	2	Bristol Myers Squibb	3.46	3.46
Interdisciplinary Projects	1	DST	10	10

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### 3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
INTELLECTUAL PROPERTY RIGHTS	MECHANICAL ENGINEERING	13/09/2018

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
No Data Entered/Not Applicable !!!				

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

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

### 3.3 – Research Publications and Awards

#### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

Name of the Department	Number of PhD's Awarded
DEPT OF BIOTECHNOLOGY	2
DEPT OF INFORMATION SCIENCE AND ENGG	1
DEPT OF COMPUTER SCIENCE AND ENGG	2
DEPT OF ELECTRICAL AND ELECTRONICS AND ENGG	2
DEPT OF CIVIL ENGINEERING	1
DEPT OF ELECTRONICS AND COMMUNICATION ENGG	2

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	INFORMATION SCIENCE AND ENGG	2	1.2
International	BIOTECHNOLOGY	7	0.5
National	BIOTECHNOLOGY	4	0.2
International	ELECTRONICS AND COMMUNICATION ENGG	3	0.3
International	MECHANICAL ENGG	2	0.1
International	MBA	2	0.1
National	MBA	2	0.1
International	MCA	7	0
International	COMPUTER SCIENCE AND ENGG	3	0.2
International	EEE	2	0.1
International	TELECOM	4	3.5

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

Department	Number of Publication
INFORMATION SCIENCE AND ENGG	12
CHEMISTRY	1
MBA	2
BIOTECHNOLOGY	6
MECHANICAL	2

EEE	2
COMPUTER SCIENCE AND ENGG	3
TELECOMMUNICATION	5
<a href="#">View File</a>	

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Estimation Of RMS Delay Spread for Double Bounce In tropical Regions	Ms.Dhivya Rani	JESTEC	2019	0	sir MVIT	0
<a href="#">View File</a>						

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Computational Studies to Decipher The Plausible Inhibition Of Type Iii Secretion System (T3ss) ATPases Involved In Bacterial Motility And Virulence	Dr H G Nagendra/Jagadeesh Kumar D/Priya Narayan	Research Journal of Life Sciences, Bioinformatics, Pharmaceutical and Chemical Sciences, 5(2)	2018	24	0	sir mvit
Evaluation of Pharmacological Properties of Caesalpinjabonducella Seed and Shell Extract	Dr H G Nagendra/ Priya Narayan	Pharmacognosy Journal, 11(1)	2018	14	0	sir mvit

Morphological And Phylogenetic Identification Of A Hyper Laccase Producing Strain of Schizophyllum Commune NI07 Exhibiting Delignification Potential	DrChandrashekharNaik	Indian Journal of Biotechnology, Vol 17, PP 302315	2019	32	0	sir mvit
Enhanced delignification of lignocellulosic substrates Pichia GS115 expressed recombinant laccase	Enhanced delignification of lignocellulosic substrates Pichia GS115 expressed recombinant laccase	The Journal of General and Applied Microbiology	2019	47	0	sirmvit
Variations in the trnHpsbA region of Mucuna pruriens L.(DC.) varieties of India: an insight on intraspecific diversity.	Dr.Rashmi	Indian Journal of Agricultural Research 53, no. 3 284290.	2018	4	0	sirmvit
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### 3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	1	8	7	54
Presented papers	0	5	6	41
Resource persons	0	2	4	5

### 3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Blood Donation camp	NSS	10	300
Marathon	Marathon 2.0	5	80
planting of sapplings	tree plantation	6	90
swacch sir MVIT	NSS	10	120
Drugs and Tobacco awareness	NSS	8	240
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
0	0	NIL	0

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agen cy/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
TOBACCO AWARENESS	NSS	TOBACCO AND DRUG AWARENESS	12	240
AIDS AWARENESS	NSS	AIDS AWARENESS	10	120

### 3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
NIL	0	NIL	0

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
INTERNSHIP	INTERNSHIP	KVAFSU, DAIRY SCIENCE COLLEGE ASPARTIKA UNIVERSITY OF AGRICULTURAL SCIENCES (GKVK) TIGS, InSTEM	13/06/2018	26/07/2019	40

MOLSYS  
SCIENTIFIC  
INDIAN  
VETERINARY  
RESEARCH  
INSTITUTE  
KARNATAKA  
ANTIBIOTICS  
PVT. LTD.  
AZYME  
BIOSCIENCES  
PVT. LTD.  
FOUNDATION  
FOR  
NEGLECTED  
DISEASES  
RESEA

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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Radel Corp, Bangalore	01/09/2018	PLACEMENT AND INTERNSHIP	4
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#### CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

##### 4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
4095.49	2343.23

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

##### 4.2 – Library as a Learning Resource

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

Name of the ILMS	Nature of automation (fully)	Version	Year of automation
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software	or partially)		
LIBSOFT	Fully	9.8	2018

#### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	63228	16623428	1334	595012	64562	17218440
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr.P.VIJAYAKARTHIK	SOFTWARE ENGINEERING	SOFTWARE TESTING	12/09/2019

#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	900							60	10
Added	60	60							
Total	960	60	0	0	0	0	0	60	10

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

60 MBPS/ GBPS
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##### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
VTU e Learning Edusat Programme	<a href="http://videos.vtu.ac.in/video_groups.php?group=EDUSAT%202017">http://videos.vtu.ac.in/video_groups.php?group=EDUSAT%202017</a>

#### 4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
388	359	524	432

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

The college ensures optimal allocation and utilization of the available financial resources for maintenance and upkeep of different facilities by holding regular meetings of various committees constituted for this purpose and using the grants received the college as per the requirements in the interest



of students. Laboratory Record of maintenance account is maintained by lab technicians and supervised by HODs of the concerned departments. Other measures to maintain laboratories are as follows: The calibration, repairing and maintenance of sophisticated lab equipment are done by the technicians of related owner enterprises. The microscopes used for biological and geological experiments are annually cleaned and maintained by the concerned departments and record of maintenance is maintained by lab technicians and supervised by HODs of the concerned departments. There is systematic disposal of waste of all types such as biodegradable chemical/chemical and ewaste. Library The requirement and list of books is taken from the concerned departments and HoDs are involved in the process of gathering Requirements and submitted to Principal. The finalized list of required books is duly approved and signed by the Principal. Every year in the beginning of session, students are motivated to register themselves in library to use LIBSOFT During 20182019 session the number of LIBSOFT 9.8 users was 943. The Library has special facility for visually challenged students by setting up two special computers for them. Suggestion box is installed inside the reading room to take student feedback. Their continuous feedback helps a lot in introducing new ideas regarding library enrichment. To ensure return of books, 'no dues' from the library is mandatory for students before appearing in exam. The proper account of visitors (students and staff) on daily basis is maintained. Other issues such as weeding out of old titles, schedule of issue/ return of books etc are chalked out / resolved by the library committee. Sports: Regarding the maintenance of indoor Badminton/ Volley Ball court / TT Courts /Gym on the college sports in charge consult coaches. In their guidance accommodates are arranged. During the session 201718 college won the cricket intercollegiate championship. The college has a building committee for maintenance and upkeep of infrastructure. At the departmental level, HoDs submit their requirements to the Principal regarding requirement of any time.

<https://www.sirmvit.edu>

## CRITERION V – STUDENT SUPPORT AND PROGRESSION

### 5.1 – Student Support

#### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	0	0	0
Financial Support from Other Sources			
a) National	BACKWARD CLASS WELFARE BOARD	687	2900000
b) International	NIL	0	0
No file uploaded.			

#### 5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
SOFT SKILL DEVELOPMENT BY TRAINING AND PLACEMENT OFFICER	08/08/2019	240	NIL
REMEDIAL COACHING	17/09/2019	120	NIL

BRIDGE COURSE	13/08/2019	60	NIL
YOGA FOR FRESHERS STUDENTS	29/08/2019	250	NIL
PERSONAL COUNSELLING	02/09/2019	167	NIL
No file uploaded.			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	SOFTSKILLS TRAINING PROGRAMME	1	140	5	620
No file uploaded.					

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
56	56	3

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
TCS	700	620	10	150	60
No file uploaded.					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	3	B.E	ISE	NORTHERN UNIVERSITY	CSE
2018	4	B.E	CSE	M.S	CSE
2018	6	B.E	ECE	M.S	ELECTRONICS
2018	4	B.E	MECH	M.S	MECHANICAL
2018	2	B.E	CIVIL	M.S	CIVIL
2018	2	B.E	EEE	M.S	EEE
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year

(eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	2
No file uploaded.	

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

Activity	Level	Number of Participants
KALANJALI	STATE LEVEL CULTURAL FEST	300
SPORTS DAY	COLLEGE LEVEL SPORTS MEET	200
VERVE	COLLEGE LEVEL CUTURALS	200
No file uploaded.		

### 5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	2	Internatio nal	2	0	1MV16IS051	VIKRAM COUDAPPAR

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

Students Representative Meeting will be held with the Principal and discussions on Academic Performance and Grievances from the students side will be addressed during the meeting. We have the best practice of Class committee Meeting conducted with Class representative along with the HODs and staff during the meeting.

### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Our institution has Alumni Association and it is Registered during 1998. . The Registration number of our Alumni Association is 316/ 9899 . We have registered

5.4.2 – No. of enrolled Alumni:

3200

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni Meetings will be conducted regularly during every year in our Institution.

## CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 – Institutional Vision and Leadership

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

our college has totally 20 committees from academic Advisory to Research and

student welfare committees for the effective Administration. Our staff members are also the part of Governing council of the Institution.

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

Partial

### 6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	Academic calendar
Industry Interaction / Collaboration	MOU with Industries.
Library, ICT and Physical Infrastructure / Instrumentation	Access to eLearning facility

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

E-governance area	Details
Planning and Development	Strategic plan was developed
Finance and Accounts	Tally software is used for the Management for finance and accounts.

### 6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Dr Rashmi Amardeep	International conference on Recent Engineering technology 2019, 5th May 2019	nil	1000
No file uploaded.				

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	FDP		28/01/2019	29/01/2019	40	0

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration

FDP	40	09/08/2018	24/09/2019	2
No file uploaded.				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
4	4	4	4

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Medical group Insurance	ESI	Medical group Insurance

#### 6.4 – Financial Management and Resource Mobilization

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

Our institution conducts internal and external audit regularly.
---

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Power Health technologies, Bangalore	200000	Industrial Funding
No file uploaded.		

6.4.3 – Total corpus fund generated

0
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#### 6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No		Yes	Academic Advisory committee
Administrative	No		No	nil

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

We conduct regularly the parents Teachers meeting in all the Departments.
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6.5.3 – Development programmes for support staff (at least three)

We conduct Faculty Development programme for all the faculty to improve the skills.
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6.5.4 – Post Accreditation initiative(s) (mention at least three)

conduction of Academic Audit conducted outcome based education. strategic plan was prepared
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6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
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b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Academic Audit	09/07/2018	02/07/2018	25/09/2019	45

**CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES**

**7.1 – Institutional Values and Social Responsibilities**

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
shakthi women cell	12/09/2018	25/10/2018	80	0

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

Percentage of power requirement of the University met by the renewable energy sources
10 Percentage Solar Energy 10 Percentage by LED

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Ramp/Rails	Yes	2
Physical facilities	Yes	2

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	2	2	16/10/2018	1	women empowerment	2	15

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

Title	Date of publication	Follow up(max 100 words)
No Data Entered/Not Applicable !!!		

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Ethics in Digital Resources	16/11/2018	16/11/2018	50

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

1. Separation of Degradable and Non Degradable waste. 2. Rain water Harvesting Plant. 3. Trees are planted and named with Botanical Name in the campus. 4. Renewable energy used in Hostels. 5.Composting.

## 7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1.Local Guardian Scheme. 2. Abikalpana (NGO ) Serving the Society by Teaching the Government school Students. Abhikalpana stands on three Pillars Shine, Smile, and Scream. All these volunteers spend their weekend with the underprivileged kids near the college (Sugatta road). This all began when our seniors got to know that many kids living there don't attend school. As our volunteers started spending their time with kids, they made their parents realize how important schooling is! Now, all the children who are under our NGO go to school regularly. Spending our weekends with these kids is fun. We teach them basic English, moral values and ethics. We even help them in extracurricular activities. Our biggest achievement till date is that all the kids are going to school regularly and the parents and school teachers are very happy, as their kids are excelling in academics as well as other cocurricular activities. To focus on the overall development of children we included art and craft as a part in our sessions. This helps our children to build up their personalities and to fight against their fear. Apart from all this, we conducted various other events too. We had footwear distribution program as we saw many kids walk around barefooted, so we bought footwear and distributed among them. This certainly brought a smile on their faces. It's a wellknown phrase, "Health is Wealth". Generally, people living in slums are more prone to lower immunity. We organized a free medical camp for the children, where we got a pediatrician, dentist, and an eye specialist. Our 50 kids were examined and proper medicines were provided. We even had an outreach programme for the kids. They performed in Kalanjali (The Intercollege fest of our college). This year we had a summer camp with intentions to know the interest of each child and help them to excel in it. To run any organization successfully, along with dedication and enthusiasm, money is also a major requirement. Thanks to our College management, CSE department, students, staff, faculty and every associated member of MVIT who have been a constant support throughout. We organized Marathon of 2km where all the students and teachers of our college took part. Donation drive and KICKIT (major interclub football event) which were a grand success in order to raise funds and also helped in our smooth functioning. The money collected is also used in the medical treatment of kids. You cannot hope to build a better world without improving the individual. We all must work for our own improvement and at the same time share a general responsibility for humanity. Abhikalpana has tried to achieve this in all possible ways. It's been a wonderful journey all throughout. We thank everyone for your immense support and helping us to work towards our pious goals. "A Better future we Dream of..." We welcome you all to join and be a part of our magnificent family.

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

<https://www.sirmvit.edu/hobby-clubs-professional-society-activities/>

## 7.3 – Institutional Distinctiveness

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

We have improved our performance with respect to vision by on concurrently focused on disciplined and integrated development of personality of students through quality education, sports, cultural and co curricular activities which

are regularly conducted in the Institution. We have promoted the transformation of students as responsible citizens and competent professionals by teaching them ethical principles and practices and we have made them as valuable resource for work environment. We have significantly improved the Quality in technical education by providing stateofart facilities, achieve high quality in teachinglearning research by implementing innovative Teaching and Learning Methodologies. The design knowledge of the students are improved by organizing lot of Hackathons and Design Contest and Technical Paper presentation . Our Institution provides lot of opportunity and resources for developing skills for employability and entrepreneurship, nurturing leadership qualities, imbibing professional ethics and societal commitment. We have created an ambiance and nurture conducive environment for dedicated and quality staff to upgrade their knowledge skills by conducting lot of Faculty Development Programmes and disseminate the same to students on a sustainable long term basis. We have signed more number of MOU with many industries and ate effective interaction with the industries with alumni by conducting Alumni Meetings regularly in the Institution.

Provide the weblink of the institution

<https://www.sirmvit.edu/vision-mission/>

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

Planned to conduct international conference on Evolutionary Computing and Mobile Sustainable Networks (ICECMSN 2020) on February 20 21, 2020 Planned to conduct more NSS activities and societal Programmes. Planned to conduct more Research activities in 2020