



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	GSSS INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN
Name of the head of the Institution	M SHIVAKUMAR
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	0821-4257304
Mobile no.	8123598061
Registered Email	principal@gsss.edu.in
Alternate Email	gsssengg@yahoo.co.in
Address	KRS ROAD, METAGALLI, MYSURU
City/Town	MYSURU
State/UT	Karnataka
Pincode	570016

<b>2. Institutional Status</b>					
Affiliated / Constituent		Affiliated			
Type of Institution		Women			
Location		Urban			
Financial Status		private			
Name of the IQAC co-ordinator/Director		DR. RAVIRAJ P			
Phone no/Alternate Phone no.		08214257304			
Mobile no.		8296210432			
Registered Email		raviraj@gsss.edu.in			
Alternate Email		drpraviraj@gmail.com			
<b>3. Website Address</b>					
Web-link of the AQAR: (Previous Academic Year)		<a href="http://geethashishu.in/images/NAAC-SSR-GSSSIETW.pdf">http://geethashishu.in/images/NAAC-SSR-GSSSIETW.pdf</a>			
<b>4. Whether Academic Calendar prepared during the year</b>		Yes			
if yes,whether it is uploaded in the institutional website: Weblink :		<a href="http://www.geethashishu.in/departments/academics/academic-calendar">http://www.geethashishu.in/departments/academics/academic-calendar</a>			
<b>5. Accrediation Details</b>					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.13	2019	18-Oct-2019	17-Oct-2024
<b>6. Date of Establishment of IQAC</b>			06-Feb-2018		
<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	
4th National Level		29-Apr-2019		200	

Project Competition	1	
Three Day Skill Development Program on	25-Apr-2019 3	54
National Conference on Communication and Data Science (NCCDS-2019)	26-Apr-2019 1	50
Two Days workshop on IoT using NI Technologies	23-Apr-2019 2	45
Two Day workshop on Microprocessors and its Applications	04-Apr-2019 2	54
Two Day Enrichment program on Python Application Programming	26-Apr-2019 2	54
Open Day Project Exhibition Shakthi-Sthaavara-2019	03-May-2019 1	60
National Conference on Intelligent Energy Systems-NIES 2019	09-May-2019 1	60
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**8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Faculty	CISEE	VGST	2019 1095	3000000
Faculty	RGSF	VGST	2019 365	500000
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<b>9. Whether composition of IQAC as per latest NAAC guidelines:</b>	Yes
Upload latest notification of formation of IQAC	<a href="#">View File</a>
<b>10. Number of IQAC meetings held during the year :</b>	1
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	<a href="#">View File</a>
<b>11. Whether IQAC received funding from any of the funding agency to support its activities</b>	No

during the year?	
<b>12. Significant contributions made by IQAC during the current year(maximum five bullets)</b>	
Establishment of Incubation Centre.	
Establishment of Institution of Innovation Council in association with MHRD, New Delhi and AICTE, New Delhi	
Initiated the NBA Re accreditation for 5 departments with Compliance report	
Organizing International Conference in association with Springer : ICACI-2019	

[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
Apply for NBA reaccrediation	Submitted Compliance report and expecting result of the peer team visit
Initiatives taken and applied for "QS I-GUAGE Rating framework" QS I-GUAGE rating	GSSIETW as SILVER college category
Organising the International Conference in associaton with Springer	Orgained successfully
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<b>14. Whether AQAR was placed before statutory body ?</b>	Yes
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Name of Statutory Body	Meeting Date
Management	20-Dec-2019

<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	No
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<b>16. Whether institutional data submitted to AISHE:</b>	Yes
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Year of Submission	2019
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Date of Submission	16-Jan-2019
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<b>17. Does the Institution have Management</b>	Yes
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<b>Information System ?</b>	
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	List of Modules currently operational are : 1. Admissions 2. Student Feedback 3. Faculty Appraisal 4. Academic activities 5. Leave management

**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

Advance planning of academic activities and calendar of events in line with university. Subject allotment based on competency, experience and performance. Preparation of adequate learning materials like lesson plans, course materials, lab manuals and best practices for the curriculum. Maintenance of course files by all the faculties. Timetable framed with the provision for remedial classes, library hour and counseling. Adapting innovative teaching techniques an addition to the traditional lectures ( web related assignments, peer learning, group discussion, MOOC, case studies, projects, survey, quiz, etc. Periodical review from HOD regarding the portions covered by the course faculty. Internal assessment question papers are set to cover all the defined course outcome and attainment. Systematic examination process, question papers with blooms taxonomy levels, question paper scrutiny and timely evaluation and SMS will be sent to the parents Quality of laboratory experience from the faculty members of respective specialization with regard to preparation of manual, Material requirements, conduction of experiments, recording observations and cycle of experiments before commencement of semester. Continuous evaluation process is adopted for the betterment of students. Adapting an outcome based approach for the effective delivery of the curriculum. Collect course end survey feedback from the students to improve the effectiveness of the curriculum. Students and faculty are encouraged to participate in workshops, conference, seminar and FDPs conducted at college / outside for up gradation of their skills. Organizing invited guest lectures by industry experts, placement training, workshops, skill development programs and industrial visits to improve the effectiveness of curriculum. Motivating students to do research work and present papers in conferences and encouraged to publish in reputed journals. In addition to the syllabus mentioned in the curriculum, the students are exposed to expert lectures delivered by faculty members from IITs and IISc in the form of e-content provided by the NPTEL portal (<http://nptel.iitm.ac.in>). Updated library facilities with a cache of e journals. EDUSAT online classes are made available to the students. This will serve as additional coaching to the students and will give better perspectives on the subject. The institution has a well-defined process of monitoring, guiding and assisting slow learners (weak students) through counseling system. Bright students are encouraged to take up innovative projects and apply for funding. The bright students are identified based on their overall performance and their orientation towards academics. To show appreciation, class toppers are awarded merit certificates, cash prizes and additional library cards for improving as an appreciation. Availability of college ERP to monitor and aid students' performance, teaching and evaluation process.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene	Skill Development
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					urship	
Two days Skill Development Workshop on Design Development of Embedded system using IoT Node MCU	NIL	02/04/2019	2	Employability	Programming skills	
Two days Workshop on Embedded system IoT	NIL	26/09/2018	2	Employability	Programming skills	
Two days Practical Workshop on Python Programming	NIL	07/09/2018	2	Employability	Programming skills	
Two days Workshop on Embedded system IoT (Using MSP 430, Texas Instruments)	NIL	29/10/2018	2	Employability	Programming skills	
Three Day Workshop on "Android Application Development"	NIL	24/09/2018	3	Employability	Programming skills	
Three Days Workshop on "Applications of Object Oriented Programming and Java"	NIL	26/09/2018	3	Employability	Programming skills	
Three Day Workshop on "Network Forensics"	NIL	29/10/2018	3	Employability	Networking	
Three Day Workshop on "Arduino Development Environment with Android Mobile"	NIL	21/03/2019	3	Employability	Programming skills	
Two day Workshop on "Advanced Java J2EE"	NIL	29/08/2018	3	Employability	Programming skills	

Iot embedded system design	NIL	24/09/2018	6	Employability	System Design
Sensors application circuit simulation	NIL	07/09/2018	2	Employability	System Design
Coding in the right way	NIL	22/03/2019	2	Employability	Programming skills
Arduino Programming for Practical Applications	NIL	08/03/2019	2	Employability	Programming skills
Two days Skill Development Workshop on Artificial intelligence Machine learning	NIL	14/02/2019	2	Employability	Programming skills
Two days SDP on Data Structure Programming	NIL	07/02/2019	2	Employability	Programming skills
Two day workshop on "Design and Analysis of Algorithms"	NIL	04/04/2019	2	Employability	Programming skills
Two day workshop on "Microprocessor its Application"	NIL	04/04/2019	2	Employability	Programming skills
Two day workshop on "Python Application Programming"	NIL	26/04/2019	2	Employability	Programming skills
Three Day Skill Development Program on "Network Data Monitoring in Real time Using Monosek"	NIL	01/08/2018	3	Employability	Networking
Three Day	NIL	24/09/2018	3	Employability	Networking

Skill Development Program on "MONOSEK FORENSIC AND CYBER SECURITY"				y	
"IoT using NI Technologies"	NIL	23/04/2019	2	Employability	Programming skills
"Field Instruments"	NIL	22/04/2019	3	Employability	Instrumentation
"IoT with Python"	NIL	25/04/2019	3	Employability	Programming skills
Industrial Automation in IOT	NIL	29/08/2018	2	Employability	Automation
Industrial Automation (DCS, SCADA VFD)	NIL	26/10/2018	2	Employability	Automation
Embedded Systems and IOT	NIL	26/10/2018	2	Employability	Programming skills
Embedded Systems and IOT Applications	NIL	02/11/2018	2	Employability	Programming skills

## 1.2 – Academic Flexibility

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

Programme/Course	Programme Specialization	Dates of Introduction
BE	NIL	02/08/2018
No file uploaded.		

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

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Electronics and Communication Engineering	01/08/2018
BE	Computer Science and Engineering	01/08/2018
BE	Information Science and Engineering	01/08/2018
BE	Electrical and Electronics Engineering	01/08/2018
BE	Electronics and Instrumentation Engineering	01/08/2018

BE	Electronics and Telecommunication Engineering	01/08/2018
Mtech	Computer Science and Engineering	01/08/2018
Mtech	Digital Communication and Networking	01/08/2018
MBA	HR, Marketing and Finance	01/08/2018

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

	Certificate	Diploma Course
Number of Students	2014	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
NI LabVIEW academy School (LAS) Five days Skill development workshop on "LabVIEW Module Core 1 2"	28/01/2019	71
Five days workshop on "NI USRP"	17/09/2019	44
Soft Skill Development	08/10/2018	300
One Day TCS-Ninja company Specific Training	29/09/2018	236
Soft Skill Development	25/02/2019	281
Soft Skill Development	02/11/2019	454
Soft Skill Development	02/04/2019	163
Placement Training Soft skills	20/01/2019	194
<a href="#">View File</a>		

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

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Computer Science & Engineering	137
BE	Information Science & Engineering	46
BE	Electrical & Electronics Engineering	69
BE	Electronics and Instrumentation Engineering	33
BE	Telecommunication Engineering	34
BE	Electronics & Communication Engineering	147

[View File](#)

## 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	No

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

### Feedback Obtained

The institute/ department has taken a Student Feedback in every semester through online by the specific campus management software called Heraizen. Feedback is collected on curricular aspects, teaching learning methods, faculty programs and institutional programs. The Assessment can be made through five parameters such as Time Sense, Presentation Skills, Helping Attitude, Use of Teaching Aid, Subject Command. Steps are taken to improve overall performance of the college by analyzing the feedback from the students. The Academic council consisting of the principal, the heads of the department that plans, monitors and reviews teaching-learning and other activities of the institution. The suggestions boxes are placed in every department and also at some important locations to collect the feedback from the students. These suggestions are considered while framing policies related to the institution.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
MBA	MBA	120	90	90
BE	Telecommunication Engineering	60	19	19
BE	Electronics & Instrumentation Engineering	60	23	23
BE	Electrical & Electronics Engineering	60	54	54
BE	Information Science and Engineering	60	56	56
Mtech	Computer Science & Engineering	18	2	2
BE	Computer Science & Engineering	120	121	121
BE	Electronics &	120	115	115

	Communication Engineering			
Mtech	Digital Communication and Networking	18	4	4
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## 2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1920	192	113	11	4

## 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
128	80	5	41	0	18

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

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

Student Counseling system is in place at the institution for the students for monitoring and guiding the students for the aspects listed below: 1. Counseling for continuous improvement in academics and other areas by faculty members 2 Each faculty member is assigned a group of around 20 students to be a counselor/mentor. 3. Counselor is the single point of contact for students and their parents/guardians in case of any assistance in academic and other matters. 4 Counselors interact with students at regular intervals to understand their problems, academic and co curricular interests and guide them suitably for their academic improvement and to make an effort to resolve their problems. 5 During interaction with students, counselors collect student information such as personal details, academic performance, training records and achievements in curricular and co curricular activities. 6. Bright students are encouraged to participate in technical paper presentations, competitions, take up innovative projects etc. Slow learners are assisted to perform better in academics. 7 Counselors interact with parents / guardians to appraise their ward's performance and call for parent teacher meetings of slow learners.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1920	128	1 : 15

## 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
128	128	0	18	20

### 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
2018	Dr. Reshma Banu	Professor	BEST project award at State Level Seminar funded by Karnataka State Council for Science and Technology (KSCST)
2018	Dr. Reshma Banu	Professor	Best HOD of the Year by TechNext India 2018
2019	G MANJULA	Associate Professor	Best Paper Award at 4th International Conference on Multimedia and Image Processing (ICMIP-2019) on 19th - 21st 2019. ICCSP 2019, January 19-21, 2019, Kuala Lumpur, Malaysia
<a href="#">View File</a>			

## 2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
MBA	Marketing, Finance, HR	II,IV	25/05/2019	20/08/2019
MBA	Marketing, Finance, HR	I, III	15/12/2018	20/02/2019
BE	ECE, CSE, ISE,EEE,TCE,EIE	VIII	25/05/2019	14/06/2019
BE	ECE, CSE, ISE,EEE,TCE,EIE	VII	24/11/2018	14/02/2019
BE	ECE, CSE, ISE,EEE,TCE,EIE	VI	25/05/2019	14/08/2019
BE	ECE, CSE, ISE,EEE,TCE,EIE	V	24/11/2018	12/02/2019
BE	ECE, CSE, ISE,EEE,TCE,EIE	IV	25/05/2019	12/08/2019
BE	ECE, CSE, ISE,EEE,TCE,EIE	III	24/11/2018	05/02/2019
BE	ECE, CSE, ISE,EEE,TCE,EIE	II	25/05/2019	06/08/2019

BE	ECE, CSE, ISE,EEE,TCE,EIE	I	15/12/2018	22/02/2019
<a href="#">View File</a>				

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

Reforms in Continuous Internal Evaluation (CIE) system at the institutional level : The institute has taken efforts to improve the performance of teachers and students by framing significant reforms in Continuous Internal Evaluation at the institute level. The reforms are as follows: First and foremost, all rules and regulations governing Undergraduate/Post Graduate courses are mentioned in the corresponding 'Scheme and Syllabus' book supplied by VTU. The booklet contains information on attendance requirement, internal assessment marks, eligibility for passing, maximum duration for course completion, promotion and eligibility to appear for examinations, electives, seminar project, award of class at semester level, award of class at degree level, award of medals ranks and transfer from one College to another College. Awareness is given to students during induction program. Students are clearly made aware of the eligibility conditions required to appear for the final exams. They are informed of the criterion of the internal assessment. The evaluation is an integral part of teaching learning process. So, the institution makes effective arrangements for the smooth application of all the rules about the evaluation processes. The college has developed a proper mechanism for this purpose. A Question paper review committee has been set-up for each department headed by Head of Department (HoD) with Professors and Associate Professors being its members, who review question papers of all the courses, for quality of questions, correctness and also verify whether Blooms Taxonomy levels are included in every question in the question paper. The evaluation is done by using the scheme prepared by the concerned faculty handling the subject. Queries related to evaluation is initially sorted out at the faculty level. Later if the student is not satisfied, then the intervention of the HoD comes into place who tries to solve the issue using the scheme of evaluation available. In severe cases, with the intervention of the Principal, revaluation of the script is executed with another faculty who are familiar with the subject. The performance of the students in the internal test is communicated to the parents through SMS and Parents Teachers meetings are conducted.

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

The academic calendar of the Institution is made available well in advance for undergraduate as well as postgraduate courses, before commencement of every semester. The department level academic calendar is made available prior to commencement of the semester in accordance with the institute and university calendar of events. In this calendar IA test dates are specified and are available to the students at the start of every semester. This Calendar also reflects the technical and cultural activities of the institute and 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)

<http://www.geethashishu.in/departments/departments-ug/computer-science-engineering>

2.6.2 – Pass percentage of students

Programme	Programme	Programme	Number of	Number of	Pass Percentage
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Code	Name	Specialization	students appeared in the final year examination	students passed in final year examination	
MBA	MBA	MBA	90	83	92.2
TCE	BE	Telecommunication Engineering	34	34	100
EIE	BE	Electronics & Instrumentation Engineering	35	35	100
EEE	BE	Electrical & Electronics Engineering	53	52	98.1
ISE	BE	Information Science and Engineering	51	51	100
SCS	Mtech	Computer Science & Engineering	4	3	75
CSE	BE	Computer Science & Engineering	137	136	99.27
ECE	BE	Electronics & Communication Engineering	131	131	100
<a href="#">View File</a>					

## 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)

NA

## 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	180	KSCST, Bengaluru	50000	50000
Major Projects	180	VTU-Innovative Projects	60000	60000
Major Projects	500	NRDMS DST, Govt. of INDIA.	961000	641000
Projects sponsored by the University	365	VGST- RGSF	500000	500000
Students	1095	VGST - CISEE	3000000	1000000

Research Projects (Other than compulsory by the University)				
<a href="#">View File</a>				

### 3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Technical Talk on Artificial Intelligence and Machine Learning transforming industries"	TCE	22/02/2018
Two Days Skill Development Program on "Arduino Programming for Practical Applications"	TCE	08/03/2018
Roadmap for writing Research Articles and Publications	MBA	25/01/2019
Mind Dynamics and Emotional Stability	MBA	27/03/2019
Seminar on Intellectual Property Rights	CSE IPR CELL	21/08/2019
Technical Talk on Agile Methods and Principles	TCE	08/09/2018

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
Best Project of the year	Dr. Reshma Banu Ayesha Taranum	KSCST Bengaluru	10/08/2018	Project
Young Achiever Award	Dr. Reshma Banu	IEAE	17/09/2018	Research
Best Paper Award	G Manjula	ICMIP-2019, Kuala Lumpur, Malaysia	19/01/2019	Research
<a href="#">View File</a>				

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
GSSSIETW -Technology Business Incubator	GSSSIETW -Technology Business Incubator	Ministry of MSME	Allinnov RD Pvt Ltd, Mysore	Innovation Research	30/01/2019
<a href="#">View File</a>					

### 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
COMPUTER SCIENCE AND ENGINEERING	1
ELECTRONICS AND COMMUNICATION ENGINEERING	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	ECE	7	0.71
International	CSE	2	4.5
International	ISE	17	4.7
International	EEE	11	5.87
International	EIE	2	0.22
International	TCE	6	4.36
International	CHEMISTRY	4	0.26
International	MECHANICAL	6	6
International	MATHEMATICS	3	3.82

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

Department	Number of Publication
MBA	5
TCE	2
EEE	2
CSE	1
ECE	2
EIE	1

[View File](#)

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
Performance of Analog Network Coded Communication with	Dr. Rajendra R Patil	International Journal Engineering Technology, 7(4,19)(2018)	2018	0	GSSSIETW	0

Channel Noise Assisted Gain		1076-1078				
A novel approach to jointly address localization and classification of breast cancer using bio-inspired approach	Sushma S J	International Journal of Electrical and Computer Engineering	2019	0	GSSSIETW	0
Land-Use/Land-Cover Classification Using Elephant Herding Algorithm	Dr. Jayanth J	Journal of the Indian Society of Remote Sensing, February 2019, Volume 47, Issue 2, pp 223-232, doi.org/10.1007/s12524-018-00935	2019	0	GSSSIETW	0
PCCV: Parallel Cancellation and Convolution Viterbi Encoding/Decoding Approach for MIMO-OFDMA for Efficient Resource Allocation and Power Consumption	Archana B	Cybernetics and Automation Control Theory Methods in Intelligent Algorithms pp 40-49,	2019	0	GSSSIETW	0
Survey on underwater optical wireless communication perspectives and	Dr. S Meenakshi Sundaram	IJEETC	2019	0	GSSSIETW	0

challenges						
Performance Analysis of Secure Group Key Mechanism in Mobile Ad Hoc Networks	Dr.P Raviraj	IJET	2018	0	GSSSIETW	0
Computing model to analyze voting rate failure in Election system using correlation techniques	Gururaj K S	Advances in Intelligent Systems Computing	2018	0	VTU, Belagavi	0
A Wireless Early Prediction System of Cardiac-arrest Through Fog Enabled IOT	Dr. Reshma Banu	International Journal of Research in Electronics And Computer Engineering (IJRECE), Volume 7 Issue 2	2019	0	GSSSIETW	0
Emotion World of Blue Eyes Technology	Ayesha Taranum	International Journal of Research in Electronics And Computer Engineering (IJRECE), Volume 7 Issue 2	2019	0	GSSSIETW	0
Soldier Health and Position Tracking System using GPS and GSM Modem.	Dr. Parame shachari B D	IJERT	2018	0	GSSSIETW	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	Institutional affiliation as
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					excluding self citation	mentioned in the publication
Performance Analysis of Secure Group Key Mechanism in Mobile Ad Hoc Networks	Dr. Raviraj P	IJET	2018	4	0	GSSSIETW
PCCV: Parallel Cancellation and Convolution Viterbi Encoding/Decoding Approach for MIMO-OFDMA for Efficient Resource Allocation and Power Consumption	Archana B	Cybernetics and Automation Control Theory Methods in Intelligent Algorithms pp 40-49,	2019	1	0	GSSSIETW
A Compressive Sensing Based Channel Estimator and Detection System for MIMO-OFDMA System	Archana B	Computational and Statistical Methods in Intelligent Systems, pp.22-31, Vol 3	2019	1	0	GSSSIETW
Fusion of Multispectral and panchromatic data using regionally weighted principal component analysis and wavelet	Dr. Jayanth J	Current Science, Vol. 115, No.10,	2019	1	0	GSSSIETW
Land-Use/Land-Cover Classification Using Elephant Herding	Dr. Jayanth J	Journal of the Indian Society of Remote Sensing, February	2019	4	1	GSSSIETW

Algorithm		2019, Volume 47, Issue 2, pp 223-232, d oi.org/10. 1007/s1252 4-018-0093 5				
A novel approach to jointly address localization and classification of breast cancer using bio-inspired approach	Sushma S J	International Journal of Electrical and Computer Engineering	2019	2	0	GSSSIETW
Impact of Pre-and post-Equalization on the performance of PNC	Dr. Rajendra R Patil	International Journal Engineering Technology, 7(4,19)(2018) 1076-1075	2018	1	0	GSSSIETW
Performance of Analog Network Coded Communication with Channel Noise Assisted Gain	Dr. Rajendra R Patil	International Journal Engineering Technology, 7(4,19)(2018) 1076-1078	2018	1	0	GSSSIETW

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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	66	64	49	24
Presented papers	20	44	0	12
Resource persons	3	1	1	3

[View File](#)

### 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
Swachh Village Abhiyan	NSS Unit GSSSIETW in association with Siddalingapura Grampanchayath	1	47
Voting awareness Program	NSS Unit GSSSIETW in association with Siddalingapura Grampanchayath	2	55
An awareness program on Cervical and Breast Cancer in women	Swasth Bharath Abhiyan and Indo- Asia Cervical Cancer Prevention Wing, Government of India	6	381
Visit to Organic agriculture research centre, Naganahalli	NSS Unit GSSSIETW in association with Mysuru District administration.	2	57
World water day Celebration	NSS Unit in association with Siddalingapura Grampanchayath	2	57
Swachh Village Abhiyan	NSS Unit in association with Siddalingapura Grampanchayath	2	57
Participation in National Youth Conclave-2019	Udvikas organisation, Bengaluru	1	7
Health cleanliness awareness drive	NSS Unit, GSSSIETW	1	47
Swachata feedback collection drive	NSS Unit in association with MCC, Mysuru	2	2000
Donation collection to Kidney affected Women	NSS YRC Unit GSSSIETW	2	2000
<a href="#">View File</a>			

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

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Swachata feedback collection and awareness drive-2019	Appreciation letter given by Mysuru City Corporation for associating with them in creating	Mysore City Corporation, Mysuru.	2000

cleanliness awareness and for active participation in Swachh Survekshan-2019

[View File](#)

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Sri Lanka-India Youth Exchange Programme 2018	National youth Exchange Programme-2018 under the ministry of youth Affairs, Project Management Southern Development Sri Lanka	Sri Lanka-India Youth Exchange Programme 2018	1	1
Swach Bharath Abhiyan	NSS Unit in association with MCC, Mysuru	Swachata feedback collection drive	2	2000
Swach Bharath Abhiyan	NSS Unit, GSSSIETW in association with Swasth Bharath Abhiyan, and Indo-Asia Cervical Cancer Prevention Wing, Govt. of India	An awareness talk on Cervical and Breast Cancer in women	6	400
Swach Bharath Abhiyan	NSS Unit in association with Chattanahally Grampanchayath	Swach Village Abhiyan	2	45
Swach Bharath Abhiyan	NSS Unit GSSSIETW in association with Siddalingapura Grampanchayath	Swach Village Abhiyan	2	55
Swach Bharath Abhiyan	NSS Unit GSSSIETW	Swach Bharath Pakhwada ( Cleanliness drive)	10	365

**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
Network Forensics, Nihon	137	Dept.of CSE ARCS	3
Mobile Android Application Development	120	Dept.of CSE ARCS	3
Applications of Object Oriented programming and JAVA	120	Dept.of CSE ARCS	3
Three Day Workshop on " Vulnerability Detection and Real Time Network Security using Monosek	57	Dept of ISE, SSB	3
Three Day Workshop Monosek Forensics Cyber security - Nihon Communications Solutions Private	51	Dept of ISE, SSB	3
Two Day Skill Development Program on "Network Data Monitoring in Real time Using Monosek"- Nihon Communications	57	Dept of ISE, SSB	3
Skill Development Program	27	Dept. of EIE, SSB	3

[View File](#)**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
Industry	Internship	AIISH, Mysuru	09/07/2018	03/08/2018	4
Industry	Internship	HAL, Bengaluru	02/07/2018	31/07/2018	2
Industry	Internship	BEL, Bengaluru	09/07/2018	20/08/2018	3
Industry	Internship	Skarray,	09/07/2018	08/08/2018	4

		Mysuru			
Industry	Internship	KritiBimb, Bengaluru	11/07/2018	11/08/2018	10
Industry	Internship	L T Electrical and Automation	07/07/2018	09/08/2018	1
Industry	Industry visit	LT Technologies, Mysuru	28/08/2018	28/08/2018	130
Industry	Industry visit	CDAC, Bengaluru	28/09/2018	28/09/2018	124
Industry	Industry visit	TCS, Bengaluru	22/10/2018	22/10/2018	104
Industry	Industry visit	Wipro Limited, Bengaluru	04/04/2019	04/04/2019	62
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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
KrutiBimb, Bengaluru	08/12/2018	Evaluation of Internship program for the pre final year students	122
IT Champs Software (P) Ltd, Mysuru	27/03/2019	Conferences/ Seminars/ Workshop/ Internship	216
VSG Software Solutions, Mysuru.	16/07/2018	Conferences/ Seminars/ Workshop/ Internship	216
Bluechink Technologies, Bangalore	25/09/2019	Conferences/ Seminars/ Workshop/ Internship	216
Heraizen Technologies Pvt Ltd, Bangalore	14/12/2019	Conferences/ Seminars/ Workshop/ Internship	216
FLEXITRON, Bengaluru	16/04/2019	To provide points for industry specific requirement to students and faculty periodically over the entire tenure of MOU	70
GTTC	13/08/2018	Training Internships	28
Digital Shark	02/11/2018	Conferences/	116

Technologies Pvt. Ltd. Bengaluru		Seminars/ Workshop/ Internship	
Indian Society for Training and Development	14/08/2019	To offer certification programs for MBA students (Digital Marketing)	90
<a href="#">View File</a>			

## 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
23735200	29580164

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
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### 4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Easylib Software	Fully	4.4.2	2016

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	29235	14617500	838	383118	30073	15000618
Reference Books	7000	3500000	200	91400	7200	3591400
Journals	588	709095	72	154615	660	863710
e-Journals	21903	2863800	5711	1223500	27614	4087300
Digital Database	8658	139800	4329	64900	12987	204700
CD & Video	3439	0	57	0	3496	0
Library Automation	1	52750	0	0	1	52750

Weeding (hard & soft)	700	350000	0	0	700	350000
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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
0	0	0	02/08/2018
No file uploaded.			

#### 4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	780	20	1	1	1	1	8	170	0
Added	55	1	1	0	0	0	0	4	0
<b>Total</b>	<b>835</b>	<b>21</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>8</b>	<b>174</b>	<b>0</b>

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

174 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
NIL	<a href="http://geethashishu.in/departments/library">http://geethashishu.in/departments/library</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
12872793	10076531	24021196	31117998

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 physical, academic and support facilities like classrooms, labs, seminar halls, auditorium, computer centre, gymnasium, buses, boardroom, guest room etc., are well maintained and used based on the requirement as per the standard procedure described below. 1. Classrooms laboratories. Once the Calendar of events is prepared in the beginning of the semester, the time-table for allocation of classrooms and laboratories is scheduled for optimum usage. Each lab has follow the following guidelines: Laboratories are managed by the qualified technical staff. Calibration periodic servicing of

equipment/instruments are carried out. Safety precautions like first aid kits and Fire extinguishers are kept in place. Major repair of equipment/instruments are outsourced as per the Institute norms. Appropriate and relevant equipment/instruments are procured as and when required. Obsolete equipment/instrument are replaced to ensure the smooth functioning of laboratory experiments. Laboratory manuals are maintained in the laboratory to ensure the uniformity in conducting experiments for all the batches. 2. Facilities like seminar halls, auditorium, guest house, buses are reserved well in advance through proper channels for their optimum usage. 3. There are Junior Maintenance engineers who take care of electricity maintenance and the upkeep of the campus. 4. Gardeners and housekeeping staff ensure the upkeep of gardening and cleanliness of the campus. 5. The Institution has a stationary store for the benefit of students and employees. 6. The institution has tied up with Adithya Adhikari hospital for medical emergencies. 7. Security guards are available on the campus round the clock. 8. The institution has two cafeterias where a variety of delicious and hygienically prepared food is available. 9. Purified drinking water facility is available in all the academic blocks, Hostels cafeteria. 10. Common rooms are available for students to relax at times of need. 11. The institution has a hostel facility which provides accommodation to the students wishing to reside in the hostel on campus. 12. The Institute has a Language centre which helps the students to develop their communication skills. 13. The Institute has a Meditation hall, where students can meditate and engage in mindfulness practice. 14. The Institute is utilizing solar power to power street lights. 15. The Institute is having a sewage treatment plant to treat water from the laboratories, canteen and hostels. The treated water is then used for gardening. 16. All the department HOD's raise the requirements every academic year to fulfill the department needs. According to the requirement HOD's get the quotations and make the comparative statements. Once the quotation gets confirmed from the Principal, the management then procures them at a competitive price, quality and service. 17. Uninterrupted power supply (UPS) is made available in each department so that the students and staff can access the computers without any interruption. 18. There is a generator for power back-up and supply.

<http://geethashishu.in/facilities>

## 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	Gita Chaitanya	100	1000000
Financial Support from Other Sources			
a) National	Fee Concession(BCM) Fee Concession(SC) Fee Concession(ST) Scholarship(SC) Scholarship(ST) Sitaram Jindal(For Merit Basis)	1022	28302565
b) International	NIL	0	0

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Workshop on "Microprocessor its Application"	04/04/2019	41	Dr. Badri Nath K, CEO, IORA Technologies, Bengaluru.
Two days Skill Development Program on Embedded systems and IOT Applications	02/11/2018	50	GSSSIETW, MYSURU
Two days Skill Development Program on "Sensor Applications and Circuit Simulation	07/09/2018	35	GSSSIETW, MYSURU
Language lab EVEN 2019	25/02/2019	55	GSSSIETW, MYSURU
Language lab ODD 2018	13/08/2018	55	GSSSIETW, MYSURU
Soft skill development	19/11/2018	172	Bizotic Talent Solutions Pvt. Ltd.
Soft skill development	25/02/2019	118	FACE
One day TCS Ninja company specific training	29/09/2018	73	FACE
Soft skill development	08/10/2018	137	FACE
Soft skill development	08/06/2018	291	FACE
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	Awareness Prgm on Civil Services & Banking Exams by Krishik Sarvodaya Foundation	249	0	0	0
2018	Seminar on Various	283	0	2	0

	Competitive Exams For GMAT, GRE, TOEFL, IELTS by Career Launcher				
2019	Career Guidenace seminar on Higher Education by Byju's	130	0	0	0
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

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

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
LT Technology Services Siemens TCS Aricent Mphasis Bharat light Power (BLP) Mindtree CGI Informatica ABB India Ltd VMware Codilar Amphisoft Technology ThoughtFocus FACE Samsung R D Wipro Unisys (Dream Offer) Amazon Karvy GE Digital HCL JARO Educa	4680	245	SLK Software IBM Accord Software Infosys Tek Systems Hashedin Technologies AD2Pro Media Solutions Specbee Solutions L T Infotech Kotak Mahindra Ethnus TTK Service Pvt Ltd Scientiic Games Robert Bosch ODESSA 6D Technology Amazon-TRMS Pinnacle veriz	989	58
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	1	B.E	ECE	Ramaiah Institute of Technology, Bangalore	M.Tech / 2019-2021
2018	1	B.E	ECE	JSS Science and Technology university, SJCE, Mysuru	M.Tech / 2019-2021
2018	1	B.E	ECE	NIE, Mysuru	M.Tech / 2019-2021
2018	1	B.E	ECE	GSSSIETW, Mysuru	M.Tech / 2019-2021
2018	1	B.E	ECE	BMS College of Engineering, Bengaluru	M.Tech / 2019-2021
2018	1	B.E	CSE	The University of Texas at San Antonio	MS
2018	1	B.E	CSE	NIE, Mysore	M.Tech / 2019-2021
2018	1	B.E	CSE	NIE, Mysore	M.Tech / 2019-2021
2018	1	B.E	ISE	Dayanand sagar	M.Tech / 2019-2021
2018	1	B.E	ISE	JSS Science and Technology university, SJCE, Mysuru	M.Tech / 2019-2021
<a href="#">View File</a>					

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
Any Other	8
<a href="#">View File</a>	

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

Activity	Level	Number of Participants
Throwball	VTU Rest of Banglore Zone Throwball Tournament	108
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### 5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	Certificate of Honour	National	0	1	4GW16EC066,4GW16EC067,4GW16EC069,4GW16EC065	Priyanka BM, Priyanka R, Pushpa K and Priyadarshini N S
2018	First place	National	0	1	4GW16EC55	Nisarga Prakash
2018	VTU Rest of Bengaluru Zone Hand Ball	National	1	0	4GW16EC101,4GW17EC007	SWATHI R, ANVITHA MUTHAMMA K C
2018	VTU Rest Of Bengaluru Zone Kabaddi	National	1	0	4GW16EC113	VINDYA .S. R.
2018	Mysuru City Inter Collegiate Hand Ball	National	1	0	4GW16EC101,4GW17EC007	SWATHI R, ANVITHA MUTHAMMA K C
2018	Sports fest' organized by Sri Vishnu Engineering College for Women, Bhimavaram , Andra Pradesh, from 6th to 8th March 2019	National	1	0	4GW16EC081	SANGEETHA K S
2018	Ballbadmit ton VTU rest of bengaluru zone	National	1	0	4GW16EC081	SANGEETHA K S
2018	participated in SAMS CRITHI-2018, an inter collegiate cultural	National	0	1	4GW17CS107,4GW17CS099	Yogitha Bhist, Vandana R

	fest organized by Mysore Medical College on 21 st , 22 nd and 23 rd September 2018					
2018	Miss Karnataka	National	0	1	4GW17EI029	Varsha M S
<a href="#">View File</a>						

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

Active Student council Every department has a student association. whos aim is:  
 1. To improve academics, co-curricular, cultural and extracurricular activities. 2. To motivate the students for team work. 3. To acquire leadership qualities. 4. To interact with college management to resolve the difficulties of the student's in day to day activities. Activities of student association:  
 1.To organize national or international level technical symposium for each year to motivate students to participate in technical and non-technical events. 2. To organize the college level events which include cultural and sports events. 3. To celebrate Teachers day and Engineers Day. Academic and administrative bodies that have student representatives on them. The students are included in various bodies at department and institution level. The student members in various committees are given below: 1. Placement Committee. 2. IEEE Student Branch. 3. IETE. 4. Department Forum.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

2000

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

100000

5.4.4 – Meetings/activities organized by Alumni Association :

S.No Name of the Event Date of the event 1 "One day Hands on Session on "Solid principles of Object oriented Programming" 9th March 2019 2 "Awareness on Opportunities in Ethical Hacking" 12th February 2019 3 "Awareness on CCNA Certification Course" 9th February 2019 4 "Talk on Professional Challenges and their Rewards" 30th March 2019 5 Talk on "Awareness on Competitive Exams" for the Pre Final Year Students 5th October 2018 6 Interactive Session with Successful Entrepreneurs 6th September 2018 7 Technical Talk on "Top Five Emerging Techniques in IT Industry and Challenges in a Corporate Field" 18th August 2018 8 "ALUMNAE MEET-2018" 19th May 2018

### CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1 – Institutional Vision and Leadership

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

The institute practices decentralization of power and participative management. The institution's decision making process upholds complete transparency. Power and authority is delegated at all levels. Management has empowered the Principal to make decisions on academic and extra-curricular activities. Power and authority is further delegated from Principal to all HOD's of various departments. Frequent meetings are conducted both at department level and at institutional level. All important matters will be discussed by following the rule of transparency and fairness and every individual is given freedom of expression in the meetings. Innovative ideas are highly appreciated and support is extended both from Principal and the management for implementation. Every individuals contribution is highly valued thus upholding the culture of decentralization and participative management. Case study on budget allocation for the academic year August 2018 - July 2019 illustrates the decentralization and participative management being practiced in the Institution. A circular will be sent by principal asking all the departments to furnish the details of proposed budget for the academic year. Once the circular is received HOD'S will call for a meeting with all its teaching and non-teaching staff of their department . Department has many requirements other than the academic and non academic activities for which the budget in proposed by the department. The agenda of the meeting will be to discuss about the academic and non-academic activities that the department is planning to host in the academic year. The resources required will be listed and the budget will also be estimated in the meeting and finally a proposed budget will be prepared and handed over to the principal. After the proposed budget is received, a meeting will be convened where principal and all the HOD'S will discuss the feasibility of the proposed budget. New ideas and suggestions will be encouraged and incorporated if found suitable. In case of any changes the proposed budget will be subjected to amendments. The final approved copy of the proposed budget will be then submitted to the registrar for further verification. After the verification the proposed budget will then be sent to the CEO for his approval. The CEO will have a meeting with the principal and HOD'S of respective departments to get further details about the planned activities for which budget is being proposed. After the discussion the proposed budget will be sanctioned and constant support will be extended by the management. Budget is approved by the management after the budget meeting of CEO and the management. Above stated case denotes how institution systematically practices decentralization and also promotes participative management at all levels giving the employees freedom to take part in the decision making process of the institution.

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

Yes

## 6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	? Admission of students is done through single window system as per Government Norms. ? The Institution ensures wide publicity and transparency in the admission process through prospectus, College website and advertisements in all leading national and regional daily newspapers. ? The prospectus and application form are uploaded in the

College website. ? The College frequently participates in various educational fairs held in Karnataka state. The admission process sticks to the norms given by the government order.

Industry Interaction / Collaboration

Workshops/seminars conducted on Intellectual Property Rights and Industry-Academia innovative practices Industry institute interaction is achieved through internship, on-the job training programs Sufficient number of functional MOU's exist on campus for supporting industry institute interactions. Institute has provision of appointing Industry Adjunct faculty for providing industry exposure to students

Library, ICT and Physical Infrastructure / Instrumentation

The Institute allocates sufficient budget for creating the required infrastructure and learning resources. The Institution has the required infrastructure, well equipped laboratories with learning resources as per AICTE and University norms. The Institute provides substantial infrastructure for sports such as cricket, basket ball, throw ball, badminton and others. Students are encouraged to participate at college level, university and national competitions. GSSSIETW library maintains a sufficient number of books and journals as per AICTE norms. Digital access to the online resources is provided for teachers and students. SWAYAM, NPTEL, General Technical Magazines and newspapers along with rare books are available for supporting self learning capabilities. The Institute has 100 MBPS internet connection.780 computers are connected through LAN. The institute maintains adequate student computer ratio as per the norms. Well established procedures are in practice for maintaining as well as utilizing physical, academic and support facilities such as laboratories, library, sports complex, computers, classrooms etc.

Research and Development

Research activities of the institute support students to transfer their innovative ideas as their projects. Several bodies like ISTE, ISOI,CSI, IETE, IEEE Student Chapter, IEEE PES and ISSI chapters are registered for conducting professional activities in

the institute. The institute has received Government grant in aid under DST, VGST and EDC grants. The Institute organizes number of extension programmes like Swachh Bharath, health awareness camps, career guidance and yoga sessions for both faculty and students for their physical health and stress related issues. Faculty and students are encouraged to visit industries to carry out projects and to have practical exposure and improve their skills. Rs.75,00,000/- Grants for research projects has been received from state and central government organisations. 15 faculty members are recognized as research supervisors by different universities (11.63) The Institution has in place an innovation ecosystem for carrying out innovative projects and transfer of Knowledge, seminars conducted on Intellectual Property Rights and Industry-Academia innovative practices The Institution encourages its faculty to publish papers in conferences and refereed journals. Industry institute interaction is achieved through faculty exchange, student-exchange, internship, on-the job training programs Sufficient number of functional MOU's exists on campus for supporting industry institute interactions. Institute has on campus Robotics lab, IoT Lab, Incubation Centre, EDC Cell and Institute Innovation Cell.

**Examination and Evaluation**

At the College level: Internal assessment marks and attendance status are displayed on the Notice Board after each test and the same is dispatched to the parents as progress report through SMS, within a week after completion of every IA test. At the end of every Internal Assessment test the scheme of evaluation is discussed in class by the subject teachers and students are provided with an opportunity to raise any queries in respect of the evaluation. The issues are resolved by the concerned faculty. Further, if the grievance is not resolved at the course co-ordinator level, the students can discuss the same with the HoD and then with the Principal, if the issue is not solved. Students who are permitted by the HoD to attend seminars, workshops or participate in any of Sports / games events and who have genuine health

problems are provided with an opportunity to take up a re-test with the permission of the Principal. Each department has an EMS co-ordinator, who uploads the marks of all the subjects of all classes online to VTU. Prior to uploading of the IA marks, the students are made to verify the correctness of the IA marks and students are made to authorize with their signatures in the IA matrix prepared. The University provides opportunity for reevaluation for the students of answer scripts. Also, the students have an opportunity of requesting for photo copies of their evaluated answer books and apply for reevaluation. Reevaluation for Semester examination is carried out by expert examiner appointed by the University.

Teaching and Learning

Students are admitted to the institute as per state Government guidelines. The Institution implements teaching learning practices with interactive techniques incorporating various strategies for facilitating slow learners through collaborative learning process, clarifying doubts, revising important concepts and practice problems in respective courses. Student centric approaches, such as experiential learning, participative learning and problem solving methodologies are utilised for enhancing learning experience. Remedial classes, motivational classes, study materials are provided to support the slow learners. Scholarly activities are encouraged for advanced learners to enhance their learning capabilities. Faculty are encouraged to use ICT tools for effective teaching and to utilise e-resources to enrich teaching - learning practices. Average percentage of students from other states is 0.8. Average enrolment percentage is 83.01. Special programs are arranged for advanced learners and slow learners after due assessment. Student-full time teacher ratio is maintained as per the AICTE norms. Each mentor on an average has approximately 14 students for taking care of academic and stress related issues. Among the sanctioned posts, 100 are full time teachers. Average teaching experience of full time teachers is 9.11 years. Continuous Internal Evaluation methods are conducted as per the norms of the

affiliating university from time to time. Mechanism of internal assessment is transparent and systematic. Mechanism to deal with examination-related grievances is transparent, time-bound and efficient. Teachers and students are made well aware of program outcomes and course outcomes. The Institution evaluates the attainment of these outcomes. Average pass percentage of students is 97.98 Online student satisfaction survey with regard to teaching learning process is collected for analysis.

Curriculum Development

All the programs offered to students are integrated by the Choice Based Credit System (CBCS) and the elective courses meet the needs and interest of students. Courses like Gender sensitization, environmental sciences, Human values and Professional ethics are included in the UG program. Environmental science helps to develop the knowledge of Environment and Sustainability. Human values and Professional ethics teach us to lead a true life with highest values and morals. It helps to understand the ethical values that guide the Engineering profession. These disciplines enable students to concentrate on social issues and serve the society as ethical individuals. Curriculum support system is well planned through the college Enterprise Resource Planning (ERP). This information is also provided to the parents through SMS and college ERP. 11 faculty members have participated in various committees of the universities. 2952 students had enrolled in Add-on programmes during the last five years.

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

E-governance area	Details
Administration	The College functions with E-governance system at Government, Society and College level. The institution tries its best to manage with latest tools of administration in hand. Using Smartphones with Gmail and WhatsApp, faculty used to share their notes to students, communicate information, placement news, answer queries etc. It helps to provide a brief notice and reminder of any event, and other important happenings through the

college SMS facility, Whatsapp Group for the smooth functioning. Every financial transaction is recorded. All procedures and dealings are computerized. The accounts and procedures of internal control of finance are carried out by the head of the accounts team on a day to day basis and annual audit is done by the statutory auditor. The audit of accounts and submission of income tax returns are being carried out regularly each year. There are no audit objections since the institution follows a good system of internal controls like calling quotations, comparison of rates, preparation of purchase order etc., and approvals at every stage of such implementation and due verification of goods and services that are obtained after delivery or completion of works. No expenses are incurred without proper approval or sanction by the Head of the institution or HoDs of various departments.

Finance and Accounts

Proper utilization of financial resources are planned at the beginning of every financial year. Finance department takes care of the collection of tuition fees, salary distribution, Preparing purchase orders for the laboratory equipment, teaching aids, furniture, and the facilities, payment of bills and maintaining the department budget allocation and expenditure etc.

Student Admission and Support

Admission of students is done through single window system as per VTU Norms. The Institution ensures wide publicity and transparency in the admission process through prospectus, College website and advertisements in all leading national and regional daily newspapers. The prospectus and application form are uploaded in the College website. Prior to the results of higher secondary examinations, counseling centre inside the College helps the parents to enquire information about the range of courses, eligibility criteria, and process of admission as well as academic support facilities The College has participated in various educational fairs of various leading publications in Karnataka state. The admission process sticks to the norms given by the government order. Management Development

Activities, Competitions among the students were conducted for the personality development of the students. For moulding the personality of the students, Counselling system is in place. Each counsellor is given 20 students to counsel the students on various personality aspects and to drive them towards success. The college campus is equipped with CCTV Cameras at every place of need.

**Examination**

The college has a separate Examination Cell, equipped with necessary ICT tools for examination purpose. The examination cell is equipped with Desktops, Internet Facility, reprographic facilities, Rhoneo facilities and Photostat machines that enable the efficient functioning of the cell, for online procedures such as Question Paper Downloading and other activities for exam purpose. The examination department has the separate Machine for printing the question papers downloaded from university portal, as per the university regulation the Examination. Examinations were conducted under the control of affiliating University VTU, Belagavi. Internal and External examinations were conducted and evaluated for the student's promotion. The Internal evaluation shall be made by the faculty in charge for the subject on the basis of continuous assessment and conducting the Internal Assessment examinations. The internal exams were conducted as per the scheduled given by the University and academic calendar prepared by the Institution. Prompt valuation of the answer scripts and entry of the marks in Haerizon software help in monitoring the performance of the students and sending a report to the parents. The external examinations were conducted as per the University notifications. The marks in internal evaluation and end examination shall be shown separately in the marks memorandum.

**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	Name of the professional body for which membership	Amount of support
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		support provided	fee is provided	
2018	Dr. Parameshch ari B D	14th India Innovation Summit	NA	2695
2018	M V Sreenivas Rao	CISCON Conference at Manipal Institute of Technology, Manipa	NA	3000
2018	Sowjanya M N Amrutha R	Five days FDP on IoT and embedded System	NA	2950
2018	Aravind R Raghavendra Y M, Anitha K	5 days FDP on IOT Embedded System Design	NA	3688
2018	Jayanth J, Gururaj K S	'10th national IQAC conference (I-Con) on building uniqueness for enhancing Institutional excellence" bangalore	NA	2000
2019	Thilagavathy R Anitha K Sunitha R Yashonidhi Yajaman	FDP on Development Enrichment programme on 'Control systems'	NA	2000
2019	Dr. Padmashree S Spoorthi Y Nalina H D Boregowda H B	3 days FDP on 'Analog Digital System Design using Cadence Tool	NA	2000
2018	Asha Rani M Sowmya M	Faculty development program on "Problem Solving using C and Basic Data Structure" Sugamya Academy foe Excellence and E-Box Academy, Mysuru.	NA	3500
2018	Shruthi B M Shreelakshmi C M Amaresh A M Ayesha Taranum	5 day FDP on "IoT and Embedded computing system Design", Mysuru.	NA	5900

2019	Rajashekar M B	48th ISTE National Annual Faculty convention to HRD and Leadership- Foundation	NA	2500
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Third International Conference On Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT-2018).	NA	14/12/2018	15/12/2018	100	0
2019	5 days faculty development program on "Recent Trends and Applications of High Voltage	NA	27/07/2019	31/07/2019	50	0
2019	FDEP on "Control Systems" organized by department of EIE from 16th to 19th January 2019	NA	16/01/2019	19/01/2019	32	0
2018	Five days Faculty Development Program on "IOT Embe	NA	24/07/2018	28/07/2018	25	0

	dded System Design"					
2018	5 Days workshop on "NI USRP"	NA	17/09/2018	21/09/2018	13	0
2019	1 day FDP on "Effective eResources retrieval strategies for efficient research"	NA	09/01/2019	09/01/2019	100	0
2019	1st International Conference on Adaptive Computational Intelligence (ICACI-2019-Conference)	NA	16/07/2019	17/07/2019	100	0
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
5 days faculty development programme on "IOT Embedded System Design"	2	24/08/2019	28/08/2019	5
5 days workshop on NBA/NAAC accreditation process for technical institutions	5	10/12/2018	14/12/2018	5
Three day Faculty Development Program on R for Data Science	9	10/07/2018	12/07/2018	3
Workshop on Network Data Analytics - A Hands on Approach for	1	01/07/2019	05/07/2019	5

Application Development, at Ramaiah Institute of Technology, Bengaluru.				
"5 days Skill development workshop on NI LabVIEW-Module 1", GSSSIETW Mysuru,	2	28/01/2019	01/02/2019	5
4 days workshop on Energy conservation and Building code (ECBC) : organized by Karnataka Renewable energy development Limited (KREDL) with support from UNDP-GEF-BEE project, GSSSIETW Mysuru	3	25/07/2018	28/07/2018	4
NI LabVIEW "USRP", GSSSIETW Mysuru	3	17/09/2018	21/09/2018	5
CLHRD Orientation to HRD and Leadership program, CLHRD	4	16/05/2019	22/05/2019	7
Five day FDP on Cyber Security, Network Simulators and Research Challenges in Networking, VVCE, Mysuru	2	21/01/2019	25/01/2019	5
5 Days VGST FDP on "Data Analytics, Next Generation Programming Languages and Simulations", Sapthagiri College of Engineering, Bangalore	1	27/07/2018	31/07/2018	5

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
128	128	56	56

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>1. Staff are given Provident Fund, and Group Insurance and Gratuity facility. 2. Accident insurance policy. 3. Maternity Leave and Special Causal Leave facilities are provided. 4. Faculty and technical staffs who present papers /attend Conferences/Works hops/seminars within India are given the registration fee/ TA/DA. 5. GSSSIETW is having an MoU with Adithya Hospital, Gokulam, Mysuru. 6. Encouraging employees for higher studies.</p>	<p>ESI, Accident insurance policy for drivers. Free uniform for class IV employees like drivers, housekeeping staff, maintenance, canteen and gardeners. 7</p>	<p>1. Student insurance policy 2. Scholarship of Rs.10,000/- scholarship for 100 economically poor and bright students per year. 3. Simha Silk Scholarship for top two Meritorious Students</p>

**6.4 – Financial Management and Resource Mobilization**

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

1. Internal Audit. Principal informs all the HODs to submit budget requirements for the next financial year. Budget requirements will be sent to the Principal, and Principal will review the budget requirements of all the Departments in consultation with Management, Accounts officer and concerned HODs (if required). A consolidated budget will be prepared for the next financial year and will be submitted to the Management for review and suggestions. After Management approval, funds will be released as and when required. The Principal in consultation with the management reviews the financial status periodically of each Department to ensure that expenses are within the budget allocated and also the amount is utilized within the financial year in a systematic way. All the HODs will submit the bills for the purchased orders and also consolidated report of the sanctioned budget amount utilized to the Principal.

1. External Audit All the financial transactions of the institute are audited by an external agency. The external audit is carried out by the auditors as per the provisions of the Government rules and regulations. The Institute has maintained the highest level of transparency in all financial transactions. It may be seen from the audited reports that all the financial transactions are carried out as per the standard norms. The audited reports are uploaded in the college website as per AICTE norms.

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

NIL	0	NIL
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	Department Level Committee
Administrative	Yes	Madhavan and Co, Mysuru	Yes	Suresh and Co, Mysuru

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

1. Parents Teachers meeting is arranged twice in a semester to update their ward progress in academics. 2. Parents provide feedback about the developments of the institute and the departments during their visit as a part of parent teacher meet. 3. Parents feedback is considered in reframing vision and mission of the department and institute

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

1. Support staff are encouraged to attend skill development programs to enhance their skills. 2. Support staff are provided training on security measures related to Fire Safety in association Fire Station in Mysuru. 3. Support staff actively participate in Yoga and Meditation session organized by the institute to stay healthy.

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

1. Initiation is taken to start NCC. 2. Initiation is taken to get NBA Accreditation for EEE and MBA Departments. 3. Efforts has been initiated to setup the Technology Business Incubator in Association with Ministry of MSME, New Delhi.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	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
2018	Established "IPR Cell"	08/02/2018	16/05/2018	16/05/2018	100
2018	Established "Institution Innovation Council" in association	08/02/2018	21/11/2018	21/11/2018	10

	with MHRD-Innovation Cell, Govt. of India				
2019	QS I-GUAGE rated GSSIETW as SILVER college category	08/02/2018	23/01/2019	23/01/2019	10
2019	applied for "ARIIA Ranking Framework"	08/02/2018	31/01/2019	31/01/2019	0
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## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
An Aware Programme on Cervical and Breast Cancer in Women	01/04/2019	01/04/2019	387	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
1. Solar panels are fixed on the roof tops of the Building. 100 KW total solar energy generated which is transferred to the electric grid. Use of grid connected solar energy helps to conserve electricity use. 2. Solar water heating systems are fixed on the roof tops of the hostels to provide all time hot water to the inmates. 3. Normal light bulbs are replaced by LED/ CFL lamps. 4. The open soil area of the campus is covered by grass and diversified flora this helps in retaining and absorbing rain water Thus helping in increase of ground level of water It also helps in avoiding soil erosion. 5. All internal communications of Administration, Office and Departments are done through email.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	4
Provision for lift	Yes	2000
Ramp/Rails	Yes	2000
Rest Rooms	Yes	2000
Scribes for examination	Yes	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	0	0	01/08/2018	0	NIL	NIL	0
2019	0	0	01/08/2018	0	NIL	NIL	0

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

Title	Date of publication	Follow up(max 100 words)
NIL	01/08/2018	NIL

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
An awareness talk on Cervical and Breast Cancer in women- By Dr. Purushotham Pradeep	01/04/2019	01/04/2019	40
Visit to Organic agriculture research centre, Naganahalli	22/03/2019	22/03/2019	75
World water day Celebration	22/03/2019	22/03/2019	300
Swach Village Abhiyan	22/03/2019	22/03/2019	75
Participation in Udvikas National Youth Conclave-2019	02/03/2019	02/03/2019	20
Voting awareness Program	22/03/2019	22/03/2019	75
Health awareness drive	20/02/2019	20/02/2019	75
NSS Special Camp-2018	10/11/2018	12/11/2018	10
Swach Bharath Pakhwada	03/09/2018	03/09/2018	25
Sadbhavan day Celebration	20/08/2018	20/08/2018	400

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

Public Transport The Institute has 17 college buses and 3 KSRTC busses

providing transportation facility to the students coming from different locations of Mysuru. Therefore, the carbon footprint of the entire institute is relatively less. Pedestrian friendly roads The campus areas have been designed with the concept of open spaces including roads and lawns. The natural landscape has been preserved while accommodating the demand to use these venues actively for gatherings, ceremonies and recreation. There is a clear pedestrian connection through all campus roads and adequate parking facilities. Plastic-free campus GSSS has initiated Go Green to make it a plastic free campus and conducted many activities to create awareness among the students. GSSSIETW presents GO-Green Bags to the guests, students, staff and resource persons from various companies. Paperless office GSSS has a sophisticated software HERAIZEN to avoid the paper for maintaining documentation. A culture of reuse and recycling has been actively advocated throughout the campus. Several initiatives have been implemented to significantly limit paper traffic such as cashless transactions, multi user printer at central administrative locations of the institute office and at department levels, circulation of documents and notifications through electronic mail. SMS. Student monitoring is done using software HERAIZEN in which we maintain daily attendance of student, personal information like contact details of student as well as their parents. Green landscaping with trees and plants Plantations, Lawns, gardens have been specially developed and are maintained verdant. The systems and processes are also checked for their greenness on regular basis.

## 7.2 – Best Practices

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

Best Practice 1. Title of the Practice: Experiential Learning (Learning by Doing): Horizontal connectedness across courses and technical events for professional learning and skill development. 2. Goal: The existing curriculum for all courses suffers limitation particularly in two aspects. One is the knowledge gap which means that the alarming increase in the new knowledge acquisition emerging from multitude of research studies Many theoretical concepts have not been incorporated in the curriculum from time to time. This obviously results in not being able to cope with newer circumstances, work and context. Obviously, this leads to the problem of skill deficiency which hinders employability. Keeping this in view, the institute has evolved a number of skill development programmes which could be offered simultaneously while doing the course. In addition to the academic activities, Institute aims at developing and enhancing various skills of the students through the following events: Conduct personality development programmes. Encourage participation in curricular and extra-curricular activities Imbibe leadership skills Inculcate entrepreneurial skills Provide a platform for learning from Academic and Industry experts. 3. The Context: Feedback from employers and alumni revealed that drastic improvement is required for equipping the students to fit to the present day. As a result of extensive consultation and discussions, it was realized that programs for enhancement of skills needs to be introduced for the students to be industry ready after graduation. Skills required from students not only pertain to the discipline of study but also across the programs. Institute provides a conducive environment to the students for a better learning experience, by organizing various technical events such as Workshops, Project Symposium, Idea Competitions, Certification Courses and Entrepreneurship Awareness Camp throughout the year. 4. The Practice : All the departments have forums in their respective departments to take care of organising the technical events on current trends in technology in order to improve technical skills of the students. The institute organizes Project symposium every year as a student interface providing platform to share and gain knowledge. Working model exhibition is organized by the institute, where the models developed by the students are exhibited and encouraged by rewarding

the best ones. The college organises various co-curricular and extra-curricular activities which aims at encouraging student participation in various activities within and outside the institute. An exclusive EDC - Entrepreneur Development Cell, Institution's Innovation Council and Technology Business Incubator aimed at inculcating and nurturing entrepreneurial skills among students is setup in the institute. Extensive research activities are carried out through the university recognized research centres and programme specific laboratories. 5. Evidence of Success: Enhancement in behavioural communication skills of the students from first year to final year is an ample testimony for the success of the programs being organized. The prizes / awards won by the students in technical and other events emphasize the impact of the programs. The performance of the students in placements is an indication of the success of the programs being organized. The review result indicates that there is a considerable improvement in the following : a) Successful performance in present job b) Ability to use technology in work place c) Obtaining additional consideration in securing job, promotion etc. d) Preference in obtaining internship in leading institutions e) Decreased dependencies on external training agencies Best Practice 2: Title of the Practice - "Project Symposium".

Objectives of the Practice "To provide a forum to exhibit the technical challenges implemented in electronics, telecommunication, computer technology, information processing and related areas". The Context Project symposium highlights the opportunities and challenges in all the engineering sectors, get in sight into the future procurement plans to examine the technology options and strategies. This creates a platform to exchange ideas of students of various departments, which also encourage their minds to actively involve, interact and to enhance their knowledge. The Practice The uniqueness of the project symposium are the papers presented by the students and published in IEEE publication Bangalore section. IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefits of humanity. The members in IEEE inspire a global community to innovate for the betterment through highly cited publications, conference, technology standards and professional and educational activities. IEEE publishes one third of the world technical literature in electrical engineering, computer science and electronics with a leading developer of international standards. Evidence of Success Before the conduction of the project EXPO, papers from various colleges were invited in the field of robotics, electronics and communication, computer science and engineering. Finally, around 10-15 papers were obtained from outside colleges in which few papers were selected from the basic criteria specified by the IEEE publication. All the papers were presented with their ideas and new techniques by sharing their works. The best paper was awarded by appreciating their work from the session chair.

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

<http://geethashishu.in/images/Best-Practices.pdf>

### 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

GSSS Institute of Engineering and Technology for Women was established in 2003 with a vision to provide value based technical education to women under the leadership of our Visionary, Late Prof. B S Pandit. In its span of 16 years GSSSIETW has become one among the leading engineering institutes in Mysuru region. Five Programs namely CSE, ECE, ISE, TCE and IT are accredited by NBA, New Delhi for 3 Years (30.06.2017 to 30.06.2020). At Present GSSSIETW has 6 UG, 3 PG and 5 Research centres with an overall intake of 480 and 36 students in UG and PG respectively. Apart from Engineering it also provides MBA (Management

Program) in Marketing, HR and Finance with an intake of 120 students. All research centres have sufficient research supervisors to guide the research scholars in their respective areas of specialisation. The Institute is renowned for discipline and quality technical education it imparts to its students. The Institute has been achieving good results right from its inception in 2003. The Institute maintains a good placement record with major core companies visiting for campus placements. Leading recruiters involve VM Ware, Infosys, and Siemens to name a few. The Institute aims at achieving its vision of being committed and a leading institute in catering value based technical and management education to Women.

Provide the weblink of the institution

<http://geethashishu.in/>

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

1. Apply for NBA re accreditation of CSE, ECE, ISE, TCE and EIE Department. 2. Apply for NBA accreditation of EEE and MBA departments. 3. Apply for Permanent affiliation by the affiliating university. 4. Enhance the research culture among students, faculties and apply for funding from government / non government funding agencies. 5. Strengthening the activities of Technology Business Incubator. 6. Encourage students and faculties to take up MOOC Courses.