



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	HINDI SEVA MANDALS SHRI SANT GADGE BABA COLLEGE OF ENGINEERING AND TECHNOLOGY BHUSAWAL
Name of the head of the Institution	Dr. Rahul Bhalchandrapa Barjibhe
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02582224364
Mobile no.	9665704444
Registered Email	rps125@rediffmail.com
Alternate Email	rahulbarjibhe@yahoo.com
Address	Near ZTC, Bhusawal
City/Town	Bhusawal
State/UT	Maharashtra
Pincode	425203

<b>2. Institutional Status</b>	
Affiliated / Constituent	<b>Affiliated</b>
Type of Institution	<b>Co-education</b>
Location	<b>Rural</b>
Financial Status	<b>Self financed</b>
Name of the IQAC co-ordinator/Director	<b>Dr.G.A.Kulkarni</b>
Phone no/Alternate Phone no.	<b>02582224364</b>
Mobile no.	<b>9970052498</b>
Registered Email	<b>girish227252@gmail.com</b>
Alternate Email	<b>girish227252@rediffmail.com</b>

<b>3. Website Address</b>	
Web-link of the AQAR: (Previous Academic Year)	<a href="http://ssgbcoet.com/research-and-development/igac.htm">http://ssgbcoet.com/research-and-development/igac.htm</a>
<b>4. Whether Academic Calendar prepared during the year</b>	<b>Yes</b>
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="http://ssgbcoet.com/academics/academic-calender.htm">http://ssgbcoet.com/academics/academic-calender.htm</a>

**5. Accrediation Details**

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
<b>1</b>	<b>B++</b>	<b>2.87</b>	<b>2019</b>	<b>08-Feb-2019</b>	<b>07-Feb-2024</b>

<b>6. Date of Establishment of IQAC</b>	<b>12-Jul-2017</b>
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**7. Internal Quality Assurance System**

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
<b>Counseling: Employability</b>	<b>07-Sep-2019</b>	<b>533</b>

test conducted by DBATU in collaboration with Aspiring minds	3	
IT-Professional Program for career	17-Sep-2019 1	400
Skill Development According to industry	25-Sep-2019 1	307
Workshop on Cyber Security	30-Jan-2020 2	260
Campus to corporate relationship	17-Feb-2020 1	290
How to enter in MNC's like Google	18-Feb-2020 1	300
Various opening with Google and its clients	26-Feb-2020 1	260
Career opportunities for Engineers in SAP	03-Mar-2020 1	245
Promoting Students for Participative Learning	01-Aug-2019 365	36
Research Activities and Publications	01-Aug-2019 365	80

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[View Uploaded File](#)

**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
Department of Electronics and Tele-Communication Engineering	TEQIPIII	DBATU, Lonere	2020 5	100000
Department of Mechanical Engineering	TEQIPIII	DBATU, Lonere	2019 6	50000
Department of Electronics and Tele-Communication Engineering	TEQIPIII	DBATU, Lonere	2020 2	25000
Department of Computer Science and Engineering	PMMNMTT, MHRD	PMMNMTT, MHRD, Govt. of India	2019 1	5000
Department of Computer	PMMNMTT, MHRD	PMMNMTT, MHRD, Govt. of India	2020 1	5000

Science and  
Engineering

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

Yes

Upload latest notification of formation of IQAC

[View Link](#)

**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

Yes

Upload the minutes of meeting and action taken report

[View Uploaded File](#)

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

Yes

If yes, mention the amount

185000

Year

2019

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

Encouraging staff for academic upgradation, research participation and to publish technical papers

Preparing Staff for learning and developing new Educational and Technical skills

Capability enhancement and development activities-

Promoting Students for participation in Technical/Innovation and start up Related Activities

Improving Industry Institute Interaction

[View Uploaded 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

Planning for Student's Participation in

Students successfully Participated in

National and International Competitions of Repute	National and International Competitions and Won The Laurels in Competitions of Repute				
Preparing proposals for Grant from different authorities for arranging Capability enhancement and development activities	Funds received and activities done				
Planning for Improving Teaching Learning by Arranging and Participating in FDPs and STTPs and trainings about new tools in teaching	FDPs, Training Sessions and Expert Lectures are Arranged Successfully				
Planning for Creating Awareness about Scholarships/ Govt. Schemes for Different Sections of Society	Awareness is Created				
Planning for Organizing Training and Lectures for the Students for Soft skills training, Competitive Examinations guidance, Entrepreneurship and Employability Development	Related Efforts are implemented Successfully and Improvement in Interpersonal Skills and employability skills are Observed				
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<b>14. Whether AQAR was placed before statutory body ?</b>	Yes				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Name of Statutory Body</th> <th style="width: 50%;">Meeting Date</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">IQAC</td> <td style="text-align: center;">11-Oct-2022</td> </tr> </tbody> </table>		Name of Statutory Body	Meeting Date	IQAC	11-Oct-2022
Name of Statutory Body	Meeting Date				
IQAC	11-Oct-2022				
<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	Yes				
Date of Visit	29-Jan-2019				
<b>16. Whether institutional data submitted to AISHE:</b>	Yes				
Year of Submission	2020				
Date of Submission	14-Jan-2020				
<b>17. Does the Institution have Management Information System ?</b>	Yes				
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	MyClassboard (MCB) is a SaaS based Education management software that offers a suite of features like all in one college ERP. This software aims to support all the required key functions of the Institute.				

## 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

At the beginning of each Academic-Year, University declares Academic calendar and guidelines. In reference of University calendar, institute's academic calendar is prepared which highlights schedule for Internal Sessional Examination (ISE), Internal Continuous Assessment (ICA), Mid Semester Examination (MSE), start of classes, end of classes, holidays in the semester, remedial exam dates, university oral practicals and end-semester exam dates, schedule of extracurricular and co curricular activities, technical events, etc. The Academic Calendar is published on institute's website for all faculties & students. Head of Departments distributes the subject by considering the subject choices given by the faculty members. This activity is carried out immediately at the end of semester. This helps faculty members to get sufficient time for the preparation & planning of the next semester subject to be taught. Time-Table Coordinator of the department prepares all the time tables. Academic Monitoring Committee (AMC) monitors all the academic activities, student feedback and overall teaching learning process to achieve maximum academic performance of the students. Regularly lectures are monitored by the academic monitoring committee. If needed, corrective actions are taken by the head of department in consultation with Academic Dean and Principal. The effective implementation of curriculum is ensured by conducting expert lectures, seminars, Workshops, Training programs etc. Additional Assignments, Class tests are conducted to access the knowledge of the students. The lectures planning and delivery is recorded in a course register by the subject teacher.

This documentation is helpful in managing the syllabus coverage in the scheduled time. The result of class test is used to explore the course outcomes attainment. The question paper is based on the course outcome mapping, which gives the depth about the course outcome attainment. For active teaching and learning, apart from chalk and board method, faculty adopts some innovative methods like use of Power Point Presentation (PPT), Audio, Video, Lab Sessions, formative feedback. These methods encourage students to actively participate in learning process. Faculty also uses NPTEL videos (National Program on Technology Enhanced Learning) in classroom related to the syllabus. All faculties are directed to maintain the day-wise record of planned, actually covered topic and references used to cover the topic. HODs monitor the overall progress of teaching learning process. Class teacher and class co-ordinator monitor the class activity. Feedback from students is analyzed periodically to improve the teaching learning process. If required, necessary corrective actions are taken.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
one day workshop on Python	N.A.	27/06/2020	1	Employabiity	They become Expertise in Core Python and Object Relational Mappers

One day workshop on Introduction to Research	N.A.	27/08/2019	1	Entrepreneurship	They are able to create a new knowledge and/or the use of existing knowledge in a new and creative way so as to generate new concepts, methodologies and understandings
one day workshop on Report Writing	N.A.	14/05/2020	1	Entrepreneurship	They come to know how to use different service of microsoft office
Workshop on Object Oriented Technology and UML	N.A.	27/09/2019	1	Employability	They are able to learn software design
Workshop on Robotics Design	N.A.	21/09/2019	1	Entrepreneurship	After completion of the course students were designed their own bots.They learnt about the components functioning and their application in order to develop their own projects.
IPR Benefits	N.A.	09/05/2020	1	Entrepreneurship	Student get a skill of how to apply for IPR and benefit of registering Our IDEA
7th GO	N.A.	10/02/2020	5		To provide

KART DESIGN  
CHALLENGE

Employability students the intense comprehensive learning and technical skills. Act as a platform for students interested in building a go-kart without investing huge amount. To assist teams how to design a go-kart.

IOT N.A. 22/08/2019 1

Employability Latest technology that is IOT and its advantage for industry 4.0

One Day Workshop on Circuit Breaker N.A. 10/08/2019 1

Entrepreneurship Different types and Construction, operation working

One Day Workshop on Opportunity in Government sector N.A. 07/09/2019 1

Employability How to face government competitive exam

One Day Workshop on HVAC N.A. 05/10/2019 1

Employability HVAC transmission system connections, applications, and HVAC system equipment

One Day Workshop on Line Maintenance N.A. 25/01/2020 1

Employability Periodic checkup and repairing of the Overhead Transmission lines include insulators cleaning, joints tightening

One Day Workshop on Energy Audit	N.A.	15/02/2020	1	Employability	and hot spots clearing Understanding the energy efficiency of the house or building being audited, energy flows in the building are examined and analysed
Resume Building, Group discussion and personal interview	N.A.	14/10/2019	1	Entrepreneurship	How to write resume how to communicate with people percent development communication skill
workshop on Group discussion and personal interview	N.A.	27/08/2019	1	Entrepreneurship	How to write resume how to communicate with people percent development communication skill
IOT Workshop	N.A.	22/08/2019	1	Employability	Latest technology that is IOT and its advantage for industry 4.0
Webinar on IPR	N.A.	09/05/2020	1	Entrepreneurship	Student get a skill of how to apply for IPR and benefit of registering Our IDEA
Webinar on Maintaining the Health during the Turbulence	N.A.	23/05/2020	1	Entrepreneurship	Student get a skill of maintaining their health for any situation

Techzealot - 2019 Bridge Mania	N.A.	17/09/2019	1	Employability	and even for disasters  By making and testing a bridge model, students can develop better visualisation skills of structural failures and can begin to understand the constraints of structural design.
Techzealot - 2019 Poster Presentation	N.A.	17/09/2019	1	Entrepreneurship	This poster presentations develop interpersonal skills among students .It enhances their confidence, and increased their expertise in technical/ non technical topics.
Workshop on E- tendering	N.A.	09/03/2020	1	Employability	This Workshops provides practical learning to the real world and the world of work. It contributes to the development of skills like communication, teamwork, and presentation and how

One day Webinar on IPR	N.A.	17/09/2019	1	Employability	Tendering is to be done online Students got extensive knowledge of the challenges that can arise in profession by studying IP law, licensing agreements, Patents etc.
Workshop on "Innovations Sustainability Through Construction Chemicals1	N.A.	14/05/2020	1	Entrepreneurship	Students got extensive knowledge about new innovations of construction chemicals, their uses and applications.
Quiz on Data Mining	N.A.	02/06/2020	1	Employability	They come to know about Classification analysis and to retrieve important and relevant information about data, and metadata

## 1.2 – Academic Flexibility

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

Programme/Course	Programme Specialization	Dates of Introduction
BTech	TE Computer Science & Engineering	30/04/2019
BTech	TE Electrical Engineering	30/04/2019
BTech	TE Electronics & Telecommunication Engineering	30/04/2019
BTech	TE Civil Engineering	30/04/2019
BTech	TE Mechanical Engineering	30/04/2019

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

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	B.E. Computer Science Engineering	15/07/2015
BTech	Third Year Computer Science & Engineering	15/07/2019
BTech	Second Yeat Computer Science & Engineering	16/07/2018
BE	B. E. Civil Engineering	15/07/2015
BTech	Third Year Civil Engineering	15/07/2019
BTech	Second Year Civil Engineering	16/07/2018
BE	B.E. Electronics & Telecommunication Engineering	15/07/2015
BTech	Third Year Electronics & Telecommunication Engineering	15/07/2019
BTech	Second Year Electronics & Telecommunication Engineering	16/07/2018
BE	B.E. Electrical Engineering	15/07/2015
BTech	Third Year Electrical Engineering	15/07/2019
BTech	Second Year Electrical Engineering	16/07/2018
BE	B. E. Mechanical Engineering	15/07/2015
BTech	Third Year Mechanical Engineering	15/07/2019
BTech	Second Year Mechanical Engineering	16/07/2018
Mtech	M.Tech Computer (Computer Science & Engineering)	01/08/2017
Mtech	M. Tech. Civil (Construction Technology & Management)	01/08/2017
Mtech	M. Tech Electronics & Telecommunication (Communication Engineering)	01/08/2017
Mtech	M. Tech Electrical	01/08/2017

	(Electrical Power Systems)	
Mtech	M. Tech Mechanical (Design Engineering)	01/08/2017

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

	Certificate	Diploma Course
Number of Students	661	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
BTHM303 Soft Skills Development	16/07/2018	64
BTCVC406 Engineering Management	01/01/2019	64
BTHM3401 - Basic Human Rights	01/01/2019	163
BTCVE404B Planning for Sustainable Development	01/01/2019	64
BTHML411- Soft-Skill Development	01/01/2019	11
236112 - Industrial Economics Telecom Regulation	01/01/2019	21
236116 - Industrial Management	01/01/2019	21
MTCEC301-Project Management Intellectual Property Rights	01/01/2019	6
MTBS106- Communication Skills	16/07/2018	6
BTHM306- Engineering Economics	16/07/2018	62
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### 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	Andriod Development	1
BE	Application of Total station for construction project	6
BE	Atos Syntel	42
BE	Case Study of Four lane highway project.	6
BE	Case study of Government Project	6

BE	Case Study of Rain Water Harvesting	6
BE	Certified Full Stack Engineer	41
BE	Computer Hardware Maintaince	3
BE	Concrete Mix Design	6
BE	Digital Marketing	1
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## 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	No
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>Shri Sant Gadge Baba College of Engineering and Technology, Bhusawal is affiliated to North Maharashtra University, Jalgaon for Final Year Engineering. First Year, Second Year and Third Year Engineering is affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere, the technical university of Maharashtra State. The syllabus framing or revision of syllabus after every five years is done at university level only. The syllabus framing or revision is carried out by Board of Studies at University Level. Many senior faculties of our institute are the members of Board of Studies for various departments. They took active participation while framing or revision. The feedback from students, teachers, aluminizes, industries and parents is definitely taken into consideration to meet the requirements of industries. Some of the feedback collected from students, teachers and alumni at institute level are as follows. These feedbacks were forwarded to BOS for kind consideration. Evaluation is an integral part of the Engineering education. Teachers evaluation has come to be known worldwide as a useful input to improve the quality of teaching. While there are large number of possible sources of feedback and evaluation data on teaching, the most common source of input for teaching evaluation is feedback from students. In fact students rating are a necessary source of evidence of teaching effectiveness and obtaining students feedback is routine practice in SSGBCOET. This study was undertaken with the aim to improve the quality of teaching by introducing students feedback as a teachers evaluation system and also contributing in the overall faculty development. The study was carried out on the effectiveness of student feedback for teachers evaluation in SSGBCOET using each semester students. A feedback form for the teachers evaluation was developed. It was then given to the students during their mid semester. Teachers were also sensitized about the importance of students feedback through a meeting before starting the study. Only those students having a minimum of 75 attendance were allowed to fill the proforma. The students were already aware of the subjects so that they can identify the respective subject teachers before filling the proforma. After the filling of feedback, it was collected by Head of Department, then HOD analyzes the feedback collected and then respective suggestion regarding improvements is conveyed to the respective</p>

staff members and also the feedback analysis is reported to Principal of the Institution. Reward for good feedback is also given in terms of appreciation letter.

## 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
BTech	Civil Engineering	60	11	11
BTech	Computer Science & Engineering	60	45	45
BTech	Electrical Engineering	60	6	6
BTech	Electronics & Tele-Communication Engineering	60	8	8
BTech	Mechanical Engineering	120	11	11
Mtech	Civil Engineering (Construction Tech. & Management)	18	18	18
Mtech	Computer Science & Engineering	18	5	5
Mtech	Electrical Engineering -(Electrical Power System)	18	6	6
Mtech	Electronics & Tele-Communication Engineering-(Communication)	18	3	3
Mtech	Mechanical Engineering (Design Engineering)	18	5	5

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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	Number of fulltime teachers available in the institution	Number of teachers teaching both UG and PG courses

			teaching only UG courses	teaching only PG courses	
2019	890	98	72	15	15

## 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
72	72	10	20	10	8

[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)

Separate Mentors are appointed for every student. Student can discuss their problems related to academics, hostel or any personal issues with their Mentors. Feasible solution by considering the realistic condition is sought out after counselling sessions according to need. Students are assured about confidentiality of the discussion. Women Empowerment Cell functions to address and resolve the issues related with female students of the institute. Conducive environment is created so that student can speak and report about any incidence. The Principal, HoD's, Senior Faculty Members and Wardens are available whenever any assistance is required. All students are made aware that Ragging is an offence and wide publicity is made for awareness

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
988	72	1:14

## 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
72	72	0	0	10

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Prof. A. D. Pathak	Assistant Professor	PradnyaSurya Foundation
2020	Prof G H Sonawane	Assistant Professor	PradnyaSurya Foundation
2020	Dr. S. U. Chaudhari	Assistant Professor	Radiant Talent Book of Record 2020

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## 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	Date of declaration of
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			semester-end/ year-end examination	results of semester-end/ year- end examination
BTech	517019110	FY BTECH	26/05/2020	26/06/2020
BTech	517024210	FY BTECH	26/05/2020	26/06/2020
BTech	517029310	FY BTECH	26/05/2020	26/06/2020
BTech	517037210	FY BTECH	26/05/2020	26/06/2020
BTech	517061210	FY BTECH	26/05/2020	26/06/2020
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#### 2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Rigorous internal evaluation procedure is adopted by institute to bring satisfactory outcomes in university results. Improving employability and skill based learning is also one of the outcomes of Continuous Internal Evaluation (CIE) system at the SSGBCOET. Academic calendar in line with university schedule is prepared and distributed among staff and students. Respective subject in- charges prepares teaching plans to ensure effective implementation of academic plan and systematic teaching-learning process. Students performance in practical's is evaluated and improved by performance based monitoring, regularity and make up turns. A yellow book for recording students Continuous Internal Evaluation of practicals is maintained. Make up turn for absent students are arranged for absent students. Timely performance of practical carries good weight-age in evaluation. Students are well instructed about CIE system of institute. Timely display of evaluation and taking signature of student is done time to time. Student's performance and attendance is regularly monitored. Maintaining attendance is compulsory to students. Performance of underperforming students is conveyed to parents. Steps such as remedial tests, counselling, assignments and question bank are taken to improve performance. This practice helps struggling learners to update their subject knowledge and helps them to catch up with their peers. Unit test (Internal Examination) and pre university tests are conducted prior to university examinations. Performance in Internal Examinations contributes to the final term work marks. Term work marks are given to students on the basis of continuous evaluation carried out throughout the semester. After Internal Examinations, performance is evaluated.

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

The academic calendar in tune with University's academic calendar is prepared and published on website before starting of each semester. All Academic activities are strictly implemented and followed as per academic calendar. The academic calendar includes the dates of Internal Examination, End semester examination, oral examinations, dates of holidays, dates of training sessions other activities. The mid-semester examination paper setting is done at University level and evaluation is done by institute's teachers. The evaluation is strictly done as per model scheme of marking provided by University. The oral practical examination is conducted by panel of university appointed teachers. Internal marks are awarded as per pre published rules and regulations of the institute. Any student can submit grievance to Head of Department / Principal in case of unsatisfactory marks. The marks awarded to all students are displayed on notice board for transparency. Regular reporting to Principal is done by Head of Departments about all academic activities and continuous internal evaluation.

#### 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.ssgbcoet.com/academics/curriculum-syllabus.htm>

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
517019110	BE	Civil Engineering	64	64	100
517024210	BE	Computer Science and Engineering	56	56	100
517029310	BE	Electrical Engineering	51	51	100
517037210	BE	Electronics & Tele-Communication Engineering	22	22	100
517061210	BE	Mechanical Engineering	78	77	98.71

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**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.ssgbcoet.com>

### **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
Projects sponsored by the University	5	DBATU, Lonere Under TEQIP-III	1	1
Projects sponsored by the University	6	DBATU, Lonere Under TEQIP-III	0.5	0.5
Projects sponsored by the University	2	DBATU, Lonere Under TEQIP-III	0.25	0.25
Any Other (Specify)	1	Pandit Madan Mohan Malviya National Mission on Teachers and Teaching	0.05	0.05

		(PMMNMTT), MHRD, Govt. of India		
Any Other (Specify)	1	Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMNMTT), MHRD, Govt. of India	0.05	0.05
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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
Fundamentals of Signal Processing	SSGBCOET, Bhusawal, Under DBATU, Lonere, TEQIP - III Project	01/01/2020
Two days Workshop on Cyber Security by Cybsky CyberAmbassador Solutions Pvt. Ltd. , Nashik, Maharashtra	Computer Science and Engineering Department, SSGBCOET, Bhusawal	30/01/2020
Two days Workshop on IPR in Protecting Rights of Practicing Researchers and Engineers	SSGBCOET, Bhusawal, Under DBATU, Lonere, TEQIP - III Project	22/01/2020
Workshop on Student Excellence and Learning Program (SELF)	Mechanical Engineering	22/07/2019
Expert lecture on Voltage recovery of induction generator using STATCOM is conducted by Dr. N. S. Wani	Department of Electrical Engineering, SSGBCOET, Bhusawal	06/09/2019
Design and Installation of various reinforced soil structure	Civil Engineering	05/06/2020
Expert lecture by Mr. N.Ramesh, Team Manager, Vinpower Engineers and Association, Chennai gave very knowledgeable talk on 'Industrial Employability'.	Department of Basic Sciences and Humanities	08/08/2019
Expert Lecture by Mr.Nilesh Gore, Director of Wellness Foundation, Bhusawal on 'Success Secrets', on wherein he	Department of Basic Sciences and Humanities	13/08/2019

gave examples of successful and their hard work to motivate all the students.		
Expert Lecture by Dr. G.A.Kulkarni on 'Goal Setting and Confidence Building'. Dr.Kulkarni imparted the practical advice to develop various values.	Department of Basic Sciences and Humanities	14/08/2019
One day workshop on Energy Audit by Mr. Ajay Narkhede	Department of Electrical Engineering, SSGBCOET, Bhusawal	15/02/2020
Expert lecture on Advance Power Electronics is conducted by Dr. N. A. Nemade	Department of Electrical Engineering, SSGBCOET, Bhusawal	20/03/2020

### 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
ANUGRAHAK VIBAS CUSTOMER -ON	Sohail Md Hamid Kachhi	VAAGDEVI INCUBATION AND BUSINESS ACCELERATION (VIBA) , VCE, TELANGANA STATE, INDIA	28/06/2020	Winner
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### 3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
SSGBCOET, Bhusawal	Akshay D. Joshi and Mohit A. Chaudhari	SSGBCOET, Bhusawal	Technobotics Pvt. Ltd.	Import/Export Services, Manufacturing and Event Management	15/10/2018
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## 3.3 – Research Publications and Awards

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

State	National	International
0	03	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
Electronics Engineering (6 students are registered)	6
Mechanical Engineering (8 students are registered)	8

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	Civil Engineering	7	1.30
International	Computer Science and Engineering	24	7.2
International	Electrical Engineering	26	1.32
International	Electronics Telecommunication Engineering	7	3.48
International	Mechanical Engineering	15	3.44
International	Basic Science and Humanities	1	4.29
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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
N.A.	0
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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
TRAFFIC SIGN DETECTION AND RECOGNITION USING FEATURE EXTRACTION FOR AUTONOMOUS VEHICLES	Dr. Dinesh D. Patil	International Research Journal of Engineering and Technology (IRJET)	2020	0	Shri Sant Gadge Baba College of Engineering and Technology, Bhusawal	7
Novel Approach on Audio to text Sentiment Analysis on Product Reviews	Prof. Priti Subramaniam	International Advance Journal of Engineering Research (IAJER)	2020	1	Shri Sant Gadge Baba College of Engineering and Technology, Bhusawal	0
A Cooperative Spectrum Sensing	Dr. Girish Ashok Kulkarni	European Journal of Molecular Clinical	2020	0	Shri Sant Gadge Baba College of	5

Scheme using Particle Swarm Optimization and Cultural Algorithm		Medicine			Engineering and Technology, Bhusawal	
Effect of Canola oil to reduce the scum formation.	Dr. R B Barjibhe	International Journal of Engineering and Advanced Technology	2020	0	Shri Sant Gadge Baba College of Engineering and Technology, Bhusawal	0
Management of Autonomous Power in Interconnected AC-DC Micro grids and Distributed Energy Resources	Prof. A.P. Chaudhari	International Journal of Advance Engineering and Research Development	2019	0	Shri Sant Gadge Baba College of Engineering and Technology, Bhusawal	0

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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
TRAFFIC SIGN DETECTION AND RECOGNITION USING FEATURE EXTRACTION FOR AUTONOMOUS VEHICLES	Dr. Dinesh D. Patil	International Research Journal of Engineering and Technology (IRJET)	2020	0	0	Shri Sant Gadge Baba College of Engineering and Technology, Bhusawal
Novel Approach on Audio to text Sentiment Analysis on Product Reviews	Prof. Priti Subramaniam	International Advance Journal of Engineering Research (IAJER)	2020	1	1	Shri Sant Gadge Baba College of Engineering and Technology, Bhusawal
A Cooper	Dr.	European	2020	0	0	Shri

ative Spectrum Sensing Scheme using Particle Swarm Optimization and Cultural Algorithm	Girish Ashok Kulkarni	Journal of Molecular Clinical Medicine				Sant Gadge Baba College of Engineering and Technology, Bhusawal
Effect of Canola oil to reduce the scum formation.	Dr. R B Barjibhe	International Journal of Engineering and Advanced Technology	2020	0	0	Shri Sant Gadge Baba College of Engineering and Technology, Bhusawal
Management of Autonomous Power in Interconnected AC-DC Micro grids and Distributed Energy Resources	Prof. A.P. Chaudhari	International Journal of Advance Engineering and Research Development	2019	0	0	Shri Sant Gadge Baba College of Engineering and Technology, Bhusawal
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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	20	452	22	12
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### 3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
COVID19 Awareness Quiz	IQAC Cell, Hindi Seva Mandals SSGBCOET, Bhusawal	50	140
Janata Curfew Pledge	Ministry of Electronics Information Technology, GoI	8	50
Stay At Home Save Lives Pledge	Ministry of Electronics	8	50

	Information Technology, GoI		
How to Maintain the health during covid-19	Mechanical Engg Department SSGBCOET, Bhusawal	11	35
Janata Curfew Pledge	Government of India	12	44
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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
One day Workshop on C and CPP on 29 Februray 2020 (PMMMNTT Main Workshops)	Recogintion in contribution as Remote Center Coordinator	Teaching Learning Center (ICT), at IIT Bombay	15
One day Workshop on C and CPP on 29 Februray 2020 (PMMMNTT Main Workshops)	Recogintion in contribution as Course Coordinator	Teaching Learning Center (ICT), at IIT Bombay	15
One day Workshop on R on 9 November 2019 (PMMMNTT Main Workshops)	Recogintion in contribution as Remote Center Coordinator	Teaching Learning Center (ICT), at IIT Bombay	28
One day Workshop on R on 9 November 2019 (PMMMNTT Main Workshops)	Recogintion in contribution as Course Coordinator	Teaching Learning Center (ICT), at IIT Bombay	28
National Assesment and Accreditation Council	Certificate of Accreditation	National Assesment and Accreditation Council	878
Chhatra Vishwakarma Awards 2020	Certificate of Appreciation	AICTE, New Delhi	5
ICT Academy - Huawei Communications, India	Recognized as an Authorized Training Center	Huawei Communications, India	48
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Social Awareness Program on	IQAC Cell, Hindi Seva Mandals	COVID19 Awareness Quiz	50	140

Swachh Bharat, Aids Awareness, Gender Issue etc	SSGBCOET, Bhusawal			
Social Awareness Program on Swachh Bharat, Aids Awareness, Gender Issue etc	IQAC Cell, Hindi Seva Mandals SSGBCOET, Bhusawal	Janata Curfew Pledge	8	50
Social Awareness Program on Swachh Bharat, Aids Awareness, Gender Issue etc	IQAC Cell, Hindi Seva Mandals SSGBCOET, Bhusawal	Tree Plantation Program	3	81
Social Awareness Program on Swachh Bharat, Aids Awareness, Gender Issue etc	IQAC Cell, Hindi Seva Mandals SSGBCOET, Bhusawal	Womens Development Cell- Motivational Lecture Programme	8	78
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### 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
Faculty Exchange	28	National Mission on Education through ICT (MHRD, Government of India), National Mission on Teachers and Teaching (PMMMNTT), MHRD, Government of India	1
Faculty Exchange	15	National Mission on Education through ICT (MHRD, Government of India), National Mission on Teachers and Teaching (PMMMNTT), MHRD, Government of India	1
Faculty Exchange (Quality Improvement Programme@ IITD)	1	QIP, AICTE, Govt. of India	3
Faculty Exchange (FDP on	5	TEQIP - III Project World Bank	5

Fundamentals of Signal Processing) under TEQIP - III		(DBATU, Lonere)	
Faculty Exchange (Workshop) under TEQIP - III	6	TEQIP - III Project World Bank (DBATU, Lonere)	2
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Online Course	Online Course	AICTE- Skill Sigma	01/05/2020	15/06/2020	25
Faculty Development Programme	FDP on Fundamentals of Signal Processing under TEQIP - III	TEQIP - III Project World Bank (DBATU, Lonere)	01/01/2020	05/01/2020	5
Workshop	(Workshop) under TEQIP - III	TEQIP - III Project World Bank (DBATU, Lonere)	22/01/2020	23/01/2020	6
Field Trip	Field Trip	R E Walls Manufacturing, Sakegaon	16/01/2020	16/01/2020	209
Internship	Internship	MSME UDYAM GOVERNMENT	05/09/2019	08/08/2020	1
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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
Cybersky CyberAmbassador Solutions Pvt. Ltd. , Nashik, Maharashtra	30/01/2020	For conducting trainings/workshop and internships in the relevant field of cyber security	376
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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
18	14.98

#### 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
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Others	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
RFID System -Itek library management software	Fully	2005	2005

##### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	45765	13388498	709	246522	46474	13635020
Reference Books	140	312064	23	14763	163	326827
Journals	82	269790	41	134910	123	404700
Digital Database	2	0	2	0	4	0
CD & Video	4604	50000	103	0	4707	50000
Library Automation	1	1007032	0	0	1	1007032
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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. G. A. Kulkarni	Microprocessor (BTEX403)	YouTube	09/04/2020
Dr. D. D. Patil	Exception Handling in C Part	YouTube	19/04/2020

	1		
Prof. R. A. Agrawal	Peephole Optimization Technique - Compiler Design	YouTube	23/04/2020
Prof. A V Patil	Introduction to heat Exchanger	YouTube	17/04/2021
Prof. J. R. Chaudhari	Basic Concept of Vibration	YouTube	08/04/2020
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#### 4.3 – IT Infrastructure

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

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	600	19	2	1	1	20	459	60	0
Added	0	0	0	0	0	0	0	40	0
<b>Total</b>	<b>600</b>	<b>19</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>20</b>	<b>459</b>	<b>100</b>	<b>0</b>

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

100 MBPS/ GBPS
----------------

##### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
English Language Lab	<a href="https://ssqbcoet.com/facilities/english-language-lab.htm">https://ssqbcoet.com/facilities/english-language-lab.htm</a>
Central Library	<a href="https://ssqbcoet.com/facilities/central-library.htm">https://ssqbcoet.com/facilities/central-library.htm</a>
Computer Centre	<a href="https://ssqbcoet.com/facilities/computer-centre.htm">https://ssqbcoet.com/facilities/computer-centre.htm</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
59	54.29	99.5	96.72

##### 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)

Operation, Maintenance and Repair (OMR) of physical facilities such as plumbing, water supply and drainage of institution building, boy's hostel and
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girl's hostel is looked after by general works, building works and maintenance committee. Dr. P.P. Bhangale is the co-ordinator of the same. He looks after the maintenance of college campus and residential campus. Whenever any repair or maintenance is required, the concern H.O.D.s, Boys / Girls Hostel Warden / O.S. write an application to the Principal. The Principal sanctions the work and forward it to co-ordinator. After sanctioning the amount by management, the co-ordinator gets the work done with the help of instructors / vendors, and submits the bill for payment in account section. The maintenance of electrical equipment including HV transformers, fans, lighting, generators, electric supply lines, etc. is looked after by Head of Electrical Engineering Department with the help of three wireman's and two technical assistants. The application of complaints regarding electricity is sent to electric wireman's. The electric wireman discusses the issue with head electrician to resolve the problem. Any purchasing required is put up with management with approval of Principal. The maintenance of laboratories is carried out by concern laboratory in charge and lab. Assistants. The laboratory in charge put up the matter with H.O.D. H.O.D. takes sanction from Principal and Management and gets the maintenance work done with the help of laboratory assistant / vendor. The consumable stock register is maintained in the department. The purchasing of the consumable items such as oil, glassware, chemicals, etc. is done after getting final approval from principal and management. At the start of every semester, cleaning and oiling of all machineries is carried out. The maintenance of library is done by librarian under the guidance of Library Committee. The co-ordinator of library committee look after the maintenance of library, such as book binding, pest control, dead stock verification, etc. Central library book bank facility for first year student S.C. / S.T. Student and Topper students. Centre library having online e-resources facility. library maintains updates with all intellectual material required to in all case research and development culture in SSGBCOET, according to latest trends The maintenance of computing equipments of the institution is looked after by System Administrator, Shri U. S. Wani. Any maintenance required for computers, printers, scanners, LAN, LCD's, is done by him with the help of two lab Assistants. Prof.Y.M.Joshi looks after the sports activities in institute. SSGBCOET students regularly participates in university , state level competitions. Dedicated sports ground and equipment are available.

<https://www.ssgbcoet.com>

## 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	Institute Level	364	3452421
Financial Support from Other Sources			
a) National	Govt. of Maharashtra Scholarship	745	30170610
b) International	00	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	Date of implemetation	Number of students	Agencies involved
------------------------	-----------------------	--------------------	-------------------

enhancement scheme		enrolled	
Bridge Course: Social Awareness on Mahiti doot app	14/08/2019	481	Mr .Pravin Dandge
Bridge Course: Importance of IoT	22/08/2019	437	Mr. Sunil Joshi, Chief Technical officer, V3 Data Solutions, Nasik 422005, (Maharashtra)
Career Counseling: IT- Professional Program for career	17/09/2019	400	Mr. Yashodip B. Salunke, Director, Sikhar Infotech (The Engineer's Factory), Director of S.Y. Infotech Solutions Pvt. Ltd., Pimpri Chinchwad, Pune, Maharashtra
Career Counseling: How to enter in MNCs like Google	18/02/2020	300	By Mr. Ashish Chaudhari (Software Engineer, Google), Survey No. 13, DivyaSree Omega, Kondapur Village, Hyderabad, Telangana 500084
various opening with MNCs like Google and its clients	26/02/2020	320	By Mr. Ashish Chaudhari (Software Engineer, Google), Survey No. 13, DivyaSree Omega, Kondapur Village, Hyderabad, Telangana 500084
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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
2019	Career Counseling: Employability test conducted by DBATU in collaboration with Aspiring	56	533	0	117

	minds				
2019	Career Counseling: IT-Professional Program for career	100	400	0	117
2019	"Bridge Course:Electric Vehicles Revolution in Mechanical and Automobile Industry "	75	176	0	117
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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
Dhoot Transmission, High-TECHnext engineering Telecom PVT. Ltd, , Infosys, TCS, GRIEFO.	170	52	Albaj Engineering Corporation Pvt.Ltd. Varroc Engineering Ltd. Infosys Valeo India Pvt. Ltd. M. D.Industries GRIFEO Bridging GAPS Management Solutions Pvt. Ltd Sharda Motors Jogeshwari Consultant Shubh Enterprises Jamal Constructions Engineers and Co	128	65

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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
2020	10	BE	Computer Science and Engineering	SSGB College of Engineering and Technology, Bhusawal	M.Tech. (Computer Science and Engineering)
2020	1	BE	Mechanical Engineering	SSGB College of Engineering and Technology, Bhusawal	M. Tech. (Design Engineering)
2020	4	BE	Civil Engineering	SSGB College of Engineering and Technology, Bhusawal	M. Tech. ( Construction Technology & Management )
2020	2	BE	E&TC Engineering	SSGB College of Engineering and Technology, Bhusawal	M.Tech. (C ommunicatio n Engineering)

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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
Civil Services	1

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

Activity	Level	Number of Participants
Cricket	Institute	132
Chess	Institute	69
Songs	Institute	72
Drama	Institute	97
Online Quiz	Institute	350

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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/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Roboveda 19 (Gola)	National	1	0	S06556	Chaudhari Mandar Dilip
2019	Esperanza 2k19 (Robo Race)	National	1	0	S04912	Ishi Rahul Ravindra
2019	Esperanza 2k19 (Robo Race)	National	1	0	S06439	Patil Akshay Sanjay
2020	Techno utsav 2020 (Soccer)	National	1	0	S06366	Shewale Pranay Sanjay
2020	Projection 2020 (Hell in the cell 60 & 15 KG, Robo Carrera)	National	3	0	S05271	Nhavkar Rahul Dattatray

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

At SSGBCOET, Students Council Committee is formed with an objective to make the student's participation in the development of the institute, development of students personality and career through interactive programmes. This council groom leadership, interpersonal problem solving capacity, dispute resolving ability and participative personality of students which aids in institutional system development. One advisor from faculty is appointed for Student Council Committee. The toppers of all classes are selected as members of this committee. If topper refuses to become the part of the student's council, second topper in the class is given chance for representation. Equal representations are given to girls on the committee. Cultural Secretary, Sports Secretary and Magazine Secretary are selected amongst of all representatives of classes. This provides the common platform to students for co-curricular and extracurricular activities. One unanimously selected member of Students Council represents the institute at University level. University Representative can discuss the various issues of students problem related to the examination with Controller of Examination, Registrar and Vice-Chancellor. Students have been given presentations on academic bodies like Anti-Ragging Committee. It is the responsibility of all committee members to do positive counseling among students, to prevent the ragging in the Campus. Any grievances regarding administration related to the office can be put up with head of the departments, dean academics and principal. Responsibilities of Students Council Members:- 1. Helping to Implement transparent and student's conducive academic system in the institution. 2. To discuss and resolve the common problems of students in consultation with faculty advisor. 3. To serve as a liaison in bringing issues / suggestions / feedback to the administration in meeting. 4.

Providing guidance, advice and exchange of information to class members. 5. To maintain discipline in campus with positive counseling. 6. Helps to carry institutional goals, policies and objectives amongst students. 7. Relay key messages from the administration to the students. 8. Collaborate with students to co-ordinate events to enhance student's communication opportunities. 9. Suggest, develop and implement solutions to problems related to campus life.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Alumni Association of SSGBCOET is registered under the Societies Registration Act with The Assistant Registrar of Society, Government of Maharashtra. Registration Number is MAHA/20844/Jalgaon/0000047/2019. This association works to facilitate, consolidate and coordinate Alumni Activities at the institute. One of the objectives of this association is to interact with the alumni at least once in a year. Association arranges different programmes and also plans events so that we can interact with alumni and can have their inputs about institutional development. The Interaction involves, taking Alumni Feedback and making the current batch aware of Industrial needs and where they have to update and upgrade themselves. It also provides alumni with the opportunity for social and professional networking and career development. Another purpose of Alumni association is to foster a spirit of loyalty and to promote the general welfare of SSGBCOET. Alumni association works to achieve lifelong objectives of mutual beneficial relationship between alumni and the institution. Alumni association works to support SSGBCOET goals, and to strengthen the ties between alumni, and Institution. It develops alumni activities that encourages fellowship among alumni and boost the physical, moral, and spiritual growth of the Institute. Activities of association continue the process of life-long learning and sharing Knowledge and Ideas and opportunities in career. It strengthens ties between Institution and alumni. Alumni association will work in long run to establish a bridge of valuable services to enhance lives and careers of SSGBians. SSGBCOET Alumni association works, 1) To promote highest standards of education through mutual experience sharing and fostering the culture of brotherhood 2) To update existing students with industrial needs and continuing education 3) To identify placement opportunities using established contact of alumni 4) To create lifelong and worldwide community of SSGBians 5) To create technical ambassador who can carries institutional good practices in society and industry

5.4.2 – No. of enrolled Alumni:

4069

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

813800

5.4.4 – Meetings/activities organized by Alumni Association :

2

### 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)

SSGBCOET believes in overall growth by practicing Decentralization and Participative Management. Our Successful journey is the result of the combined efforts of all who work towards attaining the vision of the institution.

Starting from Management of Hindi Seva Mandal to Principal to the staff and students, everyone plays an important role in progressive development. Involvement and cooperation of every stakeholder in devising and implementing decision making policies for academic and administrative affairs through various bodies and committees have contributed to the growth of the college. Here, at SSGBCOET, we focus on decentralization by giving intending equal opportunity to participate in the functioning of the Institution. Different committees are formed and each committee has been provided with specific functions cater to the needs of institution for the ongoing progress and development of the Institution. All the committees work in coordination to foster the progress of institution by sharing the responsibilities and participative growth of institution and to act according to the aims and objectives of the Institution. 1. At various levels, the college grooms the leadership. The different committees, starting from academic committee to woman's empowerment cell to administrative committee are working in coordination to achieve academic excellence. Identifying the different qualities in individual staff members, different committees are formed for the smooth running and over all functioning of the college. Principal is the member secretary of the governing body and chairperson of the IQAC. The Principal consults with the Dean, HOD's and Teachers of different committees for planning and implementation of different academic, student administration and related policies. All academic and operational policies are based on the unanimous decision of the governing body, the IQAC and the teachers of the college. Disseminating the power and work is one of the best practices adopted at our institute. 2. Another best practice adopted at the institute for participative management is involving students on different levels of academics and industrial exposure. Students are purposely involved in different committees for effective planning and implementation of different academic and student centric policies for their overall growth. Apart from policies and power, decentralization of the infrastructure is carried out by establishing student's laboratories, viz., Blanka Botz, Gaj Cyborg and Gear Labs. These students' laboratories working under multidisciplinary research committee is the platform provided by SSGBCOET to improve participative management and decentralization. This unique practice is showing colors in terms of improved confidence of students and laurels won at national and international level. The Principal and faculty members interact with government and external agencies faculty members maintain interactions with the concerned departments of affiliating university. Students and office staff join hands with the Principal and faculty for the execution of different academic, administrative, extension related, co- and extracurricular activities.

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	1. Admissions of students are done according to Centralized Admission Procedure conducted by DTE Mumbai following all rules and regulations of Government of Maharashtra and State Common Entrance Test Cell, Maharashtra State 2. College Admission Committee is formed which works under the guidance of Principal. 3. Counseling to Engineering aspiring students is done.

4. The efforts for Quality improvement in the number of placements are done. Institute - Industry Interactions are considerably increased. 5. Institute is working as Application Receiving Centre (A.R.C.) and Facilitation Centre of State Government of Maharashtra to coordinate centralized admission procedure of DTE, Mumbai

Human Resource Management

1. Institute adopts Practices of Decentralization and Participative Management with the combined involvement of Management, Principal, Staff and students 2. Environment for skill and knowledge upgradation of existing human resource in coordination of IQAC is inculcated. 3. Provision of Casual and Medical leave for all staff. On duty leave is provided for during staff involvement in knowledge upgradation activities. 4. The faculty and staff members are entitled to avail summer and winter vacations, casual leave and compensation leave. 5. Effective Human resource management by forming different committees and clubs

Research and Development

1. Two research laboratories are established in institute 2. Participation in and hosting of faculty development programme and short term training programme 3. Encouraging faculty to organize, present papers at state/national/international conferences and seminars. 4. Faculty members and students are motivated to participate and publish their research papers in reputed national and international journals / conferences. 5. The institute works in close loop with industries to train the students and to bridge the gap between industry and academics. 6. Dedicated Laboratories are availed to students and staff for research and development activities in emerging trends like Robotics, etc.

Curriculum Development

1. College is affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere and follow its curriculum. 2. The college has academic committee, IQAC for proper curriculum execution and implementation 3. As per the needs of the students and current trends in industry Value added and Add on courses are conducted. 4. Contents beyond syllabus are addressed by arranging different technical

	<p>activities 5. Students and Staff undergoes training on latest technologies on NPTEL and Huawei International Certifications programs</p>
<p>Teaching and Learning</p>	<p>1. Principal, Academic Committee, All HOD's, Class Teacher followed by Subject Incharge monitors and ensures the effective implementation of teaching-learning process. 2. Development of teaching plan as per PEO, CO and Syllabus is followed 3. Academic calendar is prepared and implemented in tune with University's Academic Calendar every year. 4. Students and staffs are encouraged for participative learning. 5. The internal and continuous assessment is done as per guidelines issues by the DBATU to measure outcomes. 6. Students Mentoring is done</p>
<p>Examination and Evaluation</p>	<p>1. Controller of Examiner heading examination committee works to hold examination and evaluation in an effective way according to rules of affiliating university. 2. Internal Examinations are conducted and effectively evaluated. 3. All the faculty members of the institute plays an major role in the conduction of Examination and evaluation process of University exams 4. Internal marks are allotted based on the continuous Assessment and Mid Semester Exam test marks 5. Remedial classes and Counseling are providing for slow learners. 6. End semester examination is conducted by affiliating university. 7. Result analysis and Continuous assessment is done to measure outcomes.</p>
<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>1. Central Library is well equipped with reference books, textbooks, journals, periodicals and newspapers etc. 2. Apart from central library each department has its own departmental library. 3. Library housekeeping operations are automated through Software. 4. Library has subscription to N-List by UGC - INFLIBNET, through which teachers Research Students can access download many E-resources in respective subject. 5. Computers are connected with access to internet with sufficient Bandwidth 6. Laboratories with latest and modern instruments are established 7. All the class rooms are with LCD facilities WiFi/LAN facilities.</p>

Industry Interaction / Collaboration	<p>Institute have signed MoUs with different industries to enhance Industry-Institute Interaction activities like industrial visits, in-hand trainings, value added courses, Guest lecturers etc., for the professional development of students and faculties. Institute is a recognized Huawei ICT Academy for enhancing the technical skills of students as per the need of the current trends and Industry.</p>
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6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	<p>Planning and development in all areas starting from academics to infrastructure is carried out by means of hierarchical structure comprising of Management, Principal, Academic Committee, All HoD's, Class Teachers and Coordinators. Perspective plan of the institute is uploaded on the website. Timely review is taken to meet the said objectives in the plan.</p> <p>Different e-governance tools, institutional and university website, Software's like CATIA, Autocad, Ansys, etc., are used for administrative and academic planning and development. Optimum use of ICT tools and social media platforms is done. The Vision and Mission Statement is uploaded on the institutional website.</p>
Administration	<p>The policies related to administration are conveyed to students, staff and stakeholders are conveyed through website. Important notices are frequently displayed on notice-board section of institutional website. Attendance of employee's is marked with the help of biometric attendance system. RFID System in Central Library, Leaving Certificate Software in Administrative Office, University, AICTE, DTE website are also used for effective administration. Optimum use of social media platforms is done.</p>
Finance and Accounts	<p>The college uses the Talley software for transparent functioning and Accounts department of the college. This helps to increase the efficiency of staff towards the accuracy in financial transactions. The account section of the institute gives flexibility to use</p>

	e-wallet / swap /net banking and other electronic platform for transaction. MAHADBT Portal is used to keep track of financial transactions related with student's scholarship.
Student Admission and Support	Student's admissions are controlled by State Common Entrance Test Cell, Maharashtra State. Admissions are based on candidate's score in common entrance test. Institute uses <a href="http://cetcell.mahacet.org/">http://cetcell.mahacet.org/</a> , <a href="http://www.maha-ara.org/ara/index.php">http://www.maha-ara.org/ara/index.php</a> <a href="http://www.dtemaharashtra.gov.in/index.html">http://www.dtemaharashtra.gov.in/index.html</a> , <a href="https://aicte-india.org/">https://aicte-india.org/</a> , <a href="http://www.admission.dbatuapps.in">www.admission.dbatuapps.in</a> , <a href="http://www.nmu.digitaluniversity">www.nmu.digitaluniversity</a> , <a href="http://www.internshala.com">www.internshala.com</a> , <a href="http://uniportal.uawei.com/uniportal/?nlsen">http://uniportal.uawei.com/uniportal/?nlsen</a> links for students admission and support and skill development. Academic and Examination related support is provided to students by using institute and university website.
Examination	Our Institute is an affiliated institute. It follows all the norms prescribed by the affiliating university for conduction of exams. Staff is involved at all levels beginning from paper setting to paper evaluation. Apart from university End Semester Examinations, Institute also conducts Mid-Semester Examination and for that a transparent and robust system is adopted.

### 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	Prof. R. A. Agrawal	R. Workshop	IIT Bombay	11336
2019	Prof. N. G. Nirmal	Scilab Lab	IIT Bombay	6044
2020	Prof. A. D. Pathak	C C Main workshop	IIT Bombay	5550
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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	Title of the administrative training	From date	To Date	Number of participants (Teaching	Number of participants (non-teaching
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	programme organised for teaching staff	programme organised for non-teaching staff			staff)	staff)
2019	Student Excellence Learning Program- SELP	N.A.	22/07/2019	27/07/2019	30	Nil
2019	One day Workshop on R	N.A.	09/11/2019	09/11/2019	28	Nil
2020	One Day workshop on C C	N.A.	29/02/2020	29/02/2020	15	Nil
2020	Covid' 19 Awareness programme	N.A.	22/04/2020	22/04/2020	5	Nil
2020	Research Methodology	N.A.	21/07/2020	25/07/2020	122	Nil
2019	N.A.	Session on Tally and Excel for Office staff	17/07/2019	18/07/2019	4	Nil
2019	Training regarding DBATU new Examination portal	Training regarding DBATU new Examination portal	Nil	Nil	2	4
No file uploaded.						

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
Scilab Workshop	3	04/05/2019	04/05/2019	1
IPR In Protecting The Rights Of Practicing Researchers And Engineers	8	22/01/2020	23/01/2020	2
Cyber Security	44	30/01/2020	31/01/2020	2
One Day Workshop On C C	15	29/02/2020	29/02/2020	2

One Day Workshop On R	7	09/11/2019	09/11/2019	1
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
72	72	86	86

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>1. Management contributes its share in Employees Provident Fund Scheme for teaching and non-teaching staff members. 2. No Tuition or Development fee is charged for children's of staff members for studying in our institute. 3. Paid maternity leave is granted to women staff member. 4. Financial assistance is given to the staff in case of any medical emergency. 5. Earn Leave and Compensatory Leaves are sanctioned for faculty members for attending duties on holidays. 6. C.L., M.L., D.L. and V.L. are given to staff members, as per rules.</p>	<p>1. Management contributes its share in Employees Provident Fund Scheme for teaching and non teaching staff members. 2. No tuition or development fee is charged for children's of staff members for studying in our institute. 3. Paid maternity leave is granted to women staff member. 4. Financial assistance is given to the staff in case of any medical emergency. 5. Earn Leave and Compensatory Leaves are sanctioned for faculty members for attending duties on holidays. 6. C.L., M.L., D.L. and V.L. are given to staff members, as per rules.</p>	<p>1. Student group insurance at university. 2. Fellowship for student 3. Financial assistance is given to the students for participating at various technical competitions</p>

**6.4 – Financial Management and Resource Mobilization**

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

Adopting practice of transparent and error-free record keeping, two-Level audit is conducted. Institute conducts internal audit with the help of Account Section of Institute. Under the internal audit, vouchers (Cash Expenses Voucher, Cash Received Receipt, Bank Receipts and Purchase Voucher) bank account statements and all financial records are verified. Accountant is responsible for maintaining the record of each and every financial activity. Institution also conducts external audit by Chartered Accountant at the end of every financial year. Last five years of external audit, no major objections were detected.

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
N.A.	0	N.A.

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6.4.3 – Total corpus fund generated

0

**6.5 – Internal Quality Assurance System**

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	1. NAAC 2. Local Inspection Committee of affiliating university(LIC) 3. International Standard Organization (ISO)	Yes	Academic and Administrative committee of Institute
Administrative	Yes	1. NAAC 2. Local Inspection Committee of affiliating university(LIC) 3. International Standard Organization (ISO)	Yes	Academic and Administrative committee of Institute

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

- Regular PTA meetings are held to address Parents expectations and convey their childrens needs, problems, and progress.
- Arranging several trainings, co-curricular and extracurricular activities according to extracts of PTA meetings.
- Counseling sessions of students

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

- Encouraged to participate in STTP and FDPs
- Session conducted on tally and Excel training is conducted for office staff.
- Training regarding DBATU new portal of exam form filling.
- Skill Development Courses for improvement of soft and communication skills.
- Training on "Fire Fighting", Laboratory Safety Management.
- Workshop on Stress management.

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

- Research Laboratory formation to impart excellent research culture
- Strengthening Research work.
- Faculty members are motivated to register for PhD.
- MOU's - Memorandums of Understanding signed by the Institution with various Industries
- Implementation of participation in NPTEL and MOOC courses

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	No

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	MATPO Aptitude idol	20/07/2019	20/07/2019	20/07/2019	62
2019	How to enter in UPSC-IES Examination	23/07/2019	23/07/2019	23/07/2019	136
2019	Importance of IoT	20/08/2019	20/08/2019	20/08/2019	437
2019	IT-Professional Program for career	17/09/2019	17/09/2019	17/09/2021	400
2020	How to enter in MNCs like Google	18/02/2020	18/02/2020	18/02/2020	300

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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
Motivational talk by Mr. Mukesh Agrawal	20/07/2019	20/07/2019	78	0
Yoga Session	03/08/2019	03/08/2019	13	25
Tree Plantation and Social Work	07/08/2019	07/08/2021	40	0
Awareness about Sexual Harrashment	06/11/2019	06/11/2019	50	0
Ladies Equality Run	18/02/2020	18/02/2020	50	0
Self Protection Programme.	28/09/2019	28/09/2019	27	0
Carrer Guidance Programme	11/01/2020	11/01/2020	93	75

Steps to start a small scale industries	25/01/2020	25/01/2020	102	124
Happy thoughts Programme	28/02/2020	28/02/2020	40	0
IT Role to increase GDP of Our Nation.	14/03/2020	14/03/2020	58	50

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
Institution uses LED lights or bulbs in college as well as hostel campus to become the energy efficient. LEDs offer several advantages over traditional light bulbs, building on the best parts of their predecessors while leaving their inefficiencies behind. Because of their high lumen output per watt, LEDs are capable of turning about 70 of their energy into light. This makes them much more efficient than other bulbs, which waste a lot of energy by turning it into heat. It only takes a 6 watt LED bulb to produce the amount of light that a 40-watt incandescent does, and their lower temperature also makes them safer to operate. We conduct several activities to create awareness about Environmental Consciousness and Sustainability, Alternate Energy at the Institute

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	2
Ramp/Rails	Yes	2
Braille Software/facilities	No	0
Rest Rooms	Yes	2
Scribes for examination	Yes	2
Special skill development for differently abled students	Yes	2
Any other similar facility	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
2020	1	1	15/02/2020	1	Technical	To study man	214

					Visit at Hot Mix plant, Highway Pavement near Muktainagar	Manufacturing of Hot Mix, their quality testing etc. Also study Highway Pavement	
2019	1	1	30/08/2019	1	Industrial Visit at Kiran Machine Tools, Jalgaon.	Study of manufacturing of variety of springs from 1mm to 500 mm diameter.	31
2019	1	1	17/07/2019	1	Technical Visit at WTP STP of Central Railways, Bhusawal	Study of design of different components WTP, Swimming Pool and STP	151
2020	1	1	16/01/2020	1	Technical Visit at RE Wall Manufacturing at Sakegaon and Bridge construction Site at Anjaleghat, Bhusawal	To study pile foundation, column structures etc.	214
2020	1	1	14/02/2020	1	Field Visit at RMC Plant and Quality Control Lab, Welspun Co. Pvt. Ltd at Sakegaon, Bhusawal	To study manufacturing of Rapid Mix Concrete, their quality testing etc.	149

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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)
Code of ethics and conduct for students	17/06/2019	<p>1. Carrying ID card and wearing college uniform compulsory. 2. All students must uphold academic respect to all persons and their rights and property and safety of others. 3. Strictly using Parking Zone for parking vehicles. 4. Smoking prohibited. 5. He/she should not indulge in any act of discrimination, in act of sexual harassment and any activity related with ragging. 6. He/she should not indulge in any disruptive activity in a class room or in any event sponsored by the college. 7. Cheating and Copying during examinations are forbidden.</p>
Code of ethics and conduct for faculty	17/06/2019	<p>1. Following semester wise and daily schedule according to academic calendar and daily time-table. 2. Treating all students with respect and dignity without any discrimination. 3. Cultivating the culture of respect and collaborative participation. 4. Faculty should exhibit intellectual honesty and integrity in all their scholarly endeavors. 5. Faculty should refrain from lodging unsubstantiated allegations against colleagues or higher authorities. 6. Faculty should participate in programmes of professional, academic and institutional growth. 7. Faculty should avoid conflict between their professional work and private interests which</p>

		could reasonably be deemed to impact negatively on pupils/students.
Code of ethics and conduct for support staff	17/06/2019	<p>1. Make efforts to enhance administrative efficiency. 2. Remain familiar with and adhere to college policies relevant to his responsibilities. 3. Take necessary and appropriate action to ensure constituents safety and wellbeing in and around the college community. 4. Provide students, faculty, other staff, and administration with the tools and assistance they require to perform effectively. 5. Act promptly to remedy deficiencies, such as equipment failures, or classroom problems. 6. Prepare all reports, vouchers, bills, invoices, records, and other important documents accurately and honestly. 7. Safeguard any confidential information.</p>
Code of ethics and conduct for the administrators	17/06/2019	<p>1. Encourage outstanding teaching, research, and other professional activities. 2. Maintain a safe and clean environment for student learning and faculty research. 3. Act as an advocate for faculty, staff, and students of the College. 4. Treat faculty, staff, and students fairly and impartially. 5. Refrain from engaging in behaviour on the college premises that is inconsistent with their role as College leaders. 6. Strive to ensure the availability of resources required to accomplish goals and objectives.</p>

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

Activity	Duration From	Duration To	Number of participants
National Librarian Day	12/08/2019	12/08/2019	40
Independence Day	15/08/2019	15/08/2019	150
Teachers Day	05/09/2019	05/09/2019	210
Engineers Day	15/09/2019	15/09/2021	140
Reading Inspiration Day	15/10/2019	15/10/2019	50
Shri Sant Gadge Maharaj Death Anniversary	20/12/2019	20/12/2019	350
Republic Day	26/01/2020	26/01/2020	150
Maharashtra Day / Labour Day	01/05/2020	01/05/2020	100
International Yoga Day	21/06/2020	21/06/2020	55

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

Tree plantation is done in the campus
Rain water harvesting plant implemented in the campus.
E-waste management system is in place which properly disposes the E-waste generated in college
Bus facility and car pooling for reducing carbon foot prints
Recycling old newspapers, journal files and used papers.

## 7.2 – Best Practices

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

**Best Practice - 1 Title of the Practice: Online learning and COVID preparedness**  
**Objectives:** Due to the COVID-19 pandemic, the college had to make the difficult decision to close and conduct all activities online. However, later during the year at least some activities became in the physical mode. Moreover, the year was marked by lots of uncertainties and accordingly a new practice had to emerge to adapt to this new world. The objectives of this practice were threefold: 1) To ensure that the teaching learning practice goes on effectively in an online world during the pandemic by responding quickly and appropriately. 2) To gradually reopen the institution as per GOI guidelines so that at least some teaching takes place in the physical face to face mode 3) To ensure COVID appropriate behaviours as well encourage pro social behaviors in all citizens.  
**The Context:** There was an urgent need to rethink education as regular teaching was disrupted and the majority of the teaching learning process became online. Teachers have been forced to rethink their teaching pedagogies to accommodate online learning. Doing practical work in an online mode has been one of the most difficult obstacles. Other activities, such as internships, seminars, and field work, had to be moved online as well. Admissions and administration work also became online. All these changes necessitated the acquisition of new skills in order to adapt to the changing environment. Everyone has struggled with the loss of personal interaction. Research suggests that anxiety, despair, and stress have become frequent among students and employees. The college had

to build the necessary infrastructure to support the online modality. The college also had to think about how to reopen at least some educational activities while ensuring that COVID appropriate protocols are followed. The Process:

- Upgrading ICT: The entire college was made Wi-Fi accessible and all faculty were provided institutional email ids, Google classroom, Google meet, Zoom etc. were extensively used to conduct online lectures, share resources and conduct internal exams and assignments.
- Training for ICT skills: Since the technology is new for several teachers therefore several webinars as well as FDP were organized.
- Developing innovative teaching pedagogies appropriate to online mode: Pedagogy was mainly participative with a focus on students engaging in group projects and giving power point presentations, as well as discussions and other activities. Besides online lectures, teachers used Power point presentations, lecture recordings, uploading on Google drive, and Audio/video aids. Google Forms were used for taking feedback, research-based activities, maintaining attendance etc. All webinars, FDPs, workshops, Internal and External exams, outreach programmes, heritage walk, pledge sessions etc. have been virtual and conducted through ICT.
- Enhancing communication during lockdown: All students, faculty and other staff were in constant contact with each other through various means such as Whatsapp, emails, Telegram etc. Faculty groups and student groups were created and university/college communications were immediately posted on website/ student groups/ faculty groups through Whatsapp and email. At times a small support group was created online for helping a critical member.
- Developing tools for assessment: Availability of Online library Resources: E-library resources became available as the College library had IP access as well as remote access to e-resources of DULS, Membership of Braille library of DULS and N-List was also renewed.
- Ensuring awareness about pandemic: The Covid Task Force of college developed advisories, facilitated on-campus vaccination camp develop sanitization equipment and organized awareness webinars and quiz. Also, distributing Face mask, Sanitizers and Protective Face shield to frontline workers in Bhusawal city.
- Planning for reopening the college for partial activities: Planning involved Covid advisories, COVID awareness activities, arrangements for sanitization, staggered timings, following COVID appropriate behaviors following all GOI safety mandates. Evidence of Success

1. In March 2020 itself, all theory classes and academic activities such as webinars and exams became online.
2. The feedback survey and satisfaction survey taken during the pandemic year indicated that students were quite satisfied with the online mode.
3. The examination results of the students during the above period indicates that students on the whole performed quite well. This experience has implications for future preparedness of the college under similar circumstances if these were to arise again:

- To ensure that ICT tools are upgraded from time to time and teachers and others stakeholders are trained them.
- Innovative teaching pedagogies alongside lecture methods are important.
- An inequity in education needs to be reduced by providing financial and other support.
- College should take up the responsibility of creating awareness about COVID19.
- Counseling and other support during such times is essential for the mental health of every stakeholder.

Problems Encountered and Resources: While many students were resilient and gained from these new pedagogies, there were others especially those from weaker backgrounds who struggled. As students and faculty experienced stress and anxiety, it became vital to provide counseling services. Several webinars/activities were also conducted for coping during these difficult times. The college realized that students did not have access to proper internet bandwidth, so all academic resources made available via online mode.

Best Practice - 2 Title of the Practice: Professional and technical quality enhancement incorporating various methods Objectives:

- a) To be in sync with the latest technologies which are not part of university curriculum.
- b) To get exposure of real life working of any industry.
- c) To develop entrepreneurial skills in the students.
- d) To prepare students for industry

readiness. e) To improve the employability of the students. f) To prepare students for various competitions for Govt. Jobs/ Higher Education. The Context: Theoretical studies are not sufficient for any aspiring engineering mind. Syllabus based experiments / practicals are providing the fundamental exposure to the students. Additional efforts are required to expose the students about the latest technology as per the industry requirement. The exposor of basic engineering labs doesn't prepare students for industry readiness, doesn't promote their employability, and also not for competitive examinations for government jobs / higher education. Hence various different methods are being used to overcome this situation. The Practice: • Successful establishment and functioning of Entrepreneurship Development Programme under Training and Placement Cell. • Regular conduction of Industrial Visits to top notch industries such as NTPC, Universal Extrusion, Jay Cables, Legrand, etc. • Conduction and participation by students and faculty members in various events such as seminar/ workshop/ short term training programs/ FDP/ SDP /conferences conducted by AICTE, Swayam, NPTEL, IGNOU, etc. on regular basis by each department. • Routine classes for Personality Development Program, Aptitude development • Conduction of various technical sessions/ GATE classes for Higher education. • Staff members and students are constantly encourages for research publications in reputed national and international journals. Evidence of Success: On monitoring the academic module, following were the observations: a) A remarkable technological advancement is observed in students as the result of their COE training. b) Our various students/alumni are now buddy entrepreneurs and running their business on their new and innovative ideas. c) It is obviously observed that the students, who take interest in understanding the various processes in industry, can easily correlate the theoretical fundamentals with practical utilization. It also helps them in their campus interview selection process as the employers are interested in students who have knowledge of recent industry trends. d) With the conduction of various events, it is observed that students and faculty are now more equipped and conversant with latest technological terms and ideas. e) Student's placement is enhanced due to increased confidence level and communication with the personality development program. Also, interaction with our esteemed alumines. f) The selection percentage in various competitive exams has increased. Problems Encountered and Resources Required: More resources and infrastructure are required for academic restructuring. New labs have to established which have financial, infrastructural and training challenges however all problems are being managed with due efforts of management and faculty. Conduction of events needs expansion of resources and time. Time table have to re-adjust. Dedicated faculties are required for specific Trainings. Time is the big challenges in all these activities however with cumulative efforts and team works, all things are managed in stipulated time frame.

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

<http://www.ssgbcoet.com/ssgbcoet-data-files/bestpractices.htm>

### 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

Vision of the Institution is to mould and empower students in the pursuit of knowledge, values and social responsibility and help them achieve excellence in various fields, thereby also preparing them to face global challenges. The Institution as never faltered in inspiring the students in the pursuit of knowledge, values, and social responsibility. The Institute has established its distinctive approach towards this comprehensive Vision by modeling it in the form of service to the society, by means of certificate courses or by allowing

the students to organize and participate in events to develop their skills, multidisciplinary project development, Entrepreneurship development, Ethical and Human value development. (a) Multidisciplinary Skill Development: The Institution arranges skill enhancement programs to develop their skills for example - Personality enrichment, Employability skill development, Entrepreneurial development, Language skill development etc., (b) Projects: Students at the UG and PG degree courses take up Internships in industries and pursue their projects which give them hands on training in their field of interest. (c) Entrepreneurial Development: TP Cell crucially works on generating the excitement in the young brains to produce innovation and thus laying the stones for entrepreneurship. Budding entrepreneurs are motivated for start ups and thus are self-sufficient and independent financially and can either support their education or family. (d) Ethical and human value Development: Ethical values are the foremost interest of the institution, Students are motivated to organize and participate in different activities for cultivation of ethical and human value development.

Provide the weblink of the institution

<http://www.ssgbcoet.com/ssgbcoet-data-files/institutationaldistinctiveness.htm>

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

The plan of action for next academic year is divided into following steps :- (1) Encourage staff for qualification improvement (2) Identifying all the possibilities for strengthening industry- institutere relationship (3) Motivate students for innovation and creation (4) Making students ready to apply for Vishwakarma Awards, Startup Awards etc (5) Strengthen of the use of ICT in teaching (6) Strengthening Skill Related and Research related activities (7) Involve more faculty members and students in research activity (8) Increasing participation in different professional, co-curricular courses (9) Increasing outreach and awareness about Government Scholarship Schemes for students (10) Increasing participation of students in different technical competitions like e-yantra, avishkar, Techfest etc. (11) Increase the placement of the institute(12) more focus will be put on the overall development of the students by encouraging them to participate in various cultural, co- curricular and sports activities along with scheduled academics (13) Academic development through quality teaching and improvement in academic results of students.