Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**GURU GOBIND SINGH COLLEGE OF ENGINEERING AND RESEARCH CENTRE, NASHIK**
Name of the head of the Institution	**DR. NEELKANTH G. NIKAM**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**0253-2372766**
Mobile no.	**9689908274**
Registered Email	**gcoerc.nashik@ggsf.edu.in**
Alternate Email	**neelkanth.nikam@ggsf.edu.in**
Address	**GURU GOBIND SINGH COLLEGE OF ENGINEERING ANDRESEARCH CENTRE, KHALSA EDUCATIONAL COMPLEX, GURUGOBIND SINGH MARG, WADALA-PATHARDI ROAD, INDIRANAGAR ANNEXE, NASHIK**
City/Town	**NASHIK**
State/UT	**Maharashtra**

Pincode	**422009**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Milind S. Patil**
Phone no/Alternate Phone no.	**02532372766**
Mobile no.	**9422239228**
Registered Email	**milind.patil@ggsf.edu.in**
Alternate Email	**mspiso2012@yahoo.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://engg.ggsf.edu.in/naac#1602754 308793-7f602dbb-c6c7

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://engg.ggsf.edu.in/academic-palnning

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B+**	**2.72**	**2019**	**01-Apr-2019**	**31-Mar-2024**

6. Date of Establishment of IQAC	**20-Nov-2017**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries

IQAC		
ISO 9001:2015 Documentation and Implementation for Re-certification Audit	21-Feb-2020 285	60
Establishment of TRIZ Professional Chapters	07-Mar-2020 1	55
Development of Teaching Material and Online learning System (Specially for COVID 19 period)	16-Mar-2020 195	55
Effective Online Teaching Methodology (Online FDP)	09-Jun-2020 3	55
Organizing Technical Symposium on UG Projects with ISBN Proceedings	20-Jun-2020 01	300
AQAR - Preparation and Submission	01-Oct-2020 31	60
Participation in NIRF	20-Nov-2019 47	80

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Guru Gobind Singh College of Engineering and Research Centre Nashik	Faculty development programme	NITTR Kolkatta	2019 5	21250
Guru Gobind Singh College of Engineering and Research Centre Nashik	Faculty development programme	NITTR Bhopal	2019 5	31000
Guru Gobind Singh College of Engineering and Research Centre Nashik	Faculty development programme	NITTR Kolkatta	2019 5	19975
Department of Civil Engineering	Quality Improvement Programme	Savitribai Phule Pune University, Pune	2019 365	500000
Department of	Quality	Savitribai	2019	100000

| Civil Engineering | Improvement Programme | Phule Pune University, Pune | 365 | |

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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 :	**2**
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?	**No**

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

1. ISO 9001:2015 Successful Recertification in the month of Feb 2020 2. AQAR – Preparation and Submission 3. Stake holders feed back 4. Successful implementation of OBE and Registration on NBA portal, Trainings on NBA Requirements and Implementation, Development of Draft copy of SAR for NBA Accreditation 5. Enhanced online activities for teaching and learning during COVID situations 6. Development and Submission of Research Proposal to various funding agencies 7. Improvement in FDP conducted by institute and participation 8. Improvement in expert lectures and industrial visits for students 9. Improvement in faculty publications and participation in conferences / workshop / seminars 10. Improve extension activities through NSS and institutes social activity club AASTHA

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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
ISO 9001:2015 Recertification Audit	**Successful Completion of Recertification Audit by certifying agency DNV GL – Business Assurance, ROMA, No. 10, GST Road, Alandur, Chennai 600 016, India, Certificate No: 2069502016AQINDRvA, Valid Till 04 Oct 2022**

AQAR Preparation and Submission	AQAR was successfully prepared during COVID situations and submitted to NAAC in the month of Oct 2020. (NAAC accreditation was received on 1st April 2019)
Stake holder feed back	Stake holder feedback is obtained and analysis was conducted and used for the various improvements. Feedback and their analysis is displayed on institutes website, Weblink: https://engg.ggsf.edu.in/academic-palnning#1548757736819-b32d0726-3f8b
Successful implementation of OBE	Registration is now done on NBA portal NBA Draft copy of SAR and Records are now available for assessment years
Enhanced online activities for teaching and learning during COVID situations	Online classes are conducted. Most faculties and students are now using Google class rooms / Google meet / any other for conducting these classes. Various activities/ Quiz / Workshops are also conducted for faculty / students. Online class test / Unit test are conducted Learning resources are available in the form of Notes, PPT, Question Bank etc.
Development and Submission of Research / Funding Proposal to various agencies	DST QIP Proposal Submitted – 01 (Proposal is now under consideration for final approval of Rs. 50 Lakh) 4 Proposals are submitted to 1 Savitribai Phule Pune University, Pune (18/09/2019). Out of these 2 proposal have been sanctioned for an amount of Rs. 6 Lakh AICTE QIP Proposal Submitted – 05 (30 Dec 2019) (No any proposal was shortlisted)
NITTR and NPTEL Facility	NPTEL Local chapter is now established in the month of 21st Jan 2019. In the year 2019-20 36 Faculties registered for online courses In association with NITTR in the year 2019-20 3 FDP's are conducted.
Initiation of Faculty Industrial Training	Industry practices and real world application has observed by faculty. This helps to improve teaching and learning process. In the year 2019-20 2 faculties are trained at industry
Improvement in faculty publications and participation in conferences / workshop / seminars	During AY 2019-20 Total Conference / Symposium Publications- ME-42 Total Journal Publications- ME-10, Most of the faculties participated in various FDP/STTP/Workshop /Seminars/Conferences
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14. **Whether AQAR was placed before statutory body ?**	**Yes**

Name of Statutory Body	Meeting Date
Board of Governance	**19-Aug-2020**

15. **Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?**	**No**

16. **Whether institutional data submitted to AISHE:**	**Yes**
Year of Submission	**2020**
Date of Submission	**20-Jan-2020**

17. **Does the Institution have Management Information System ?**	**Yes**
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**Management Information System of the institute is systematically designed for policy planning and effective implementation of the educational management process. Existence of such system is helpful to assess the performance of educational system, resource management, data processing and management etc. For effective implementation institute uses ERP software for the same. Following is the list of modules that are effectively used through the ERP software that forms the MIS. 1) Student's admission system 2) Student's data management system 3) Library management system 4) Administrative management system 5) Salary management system 6) Staff Leave and administrative management system 7) Teaching and Learning management system 8) Store and Purchase management system 9) Resources management system 10) Maintenance management system 11) Electronic data processing Following is the summary of various activities that are performed using this ERP MIS system 1) Students admission process 2) Students roll call list and class and division wise data 3) Student fees and account related work 4) Staff and Faculty attendance and information system 5) Various administrative work like leave management, resource**

requisition and provision, stock register, maintenance requisition etc. 6) Purchase order processing, material inward and other stock records 7) Library processes that includes issue and receipt of book, OPAC system 8) Teaching Processes like Teaching plan, Time table, attendance, lecture and syllabus monitoring, student attendance, student communication via SMS, students feedback, provision of eresources and electronic data storage etc. 9) At admin side faculty and students profile, Institute fees, scholarship record, college level certificates like LC, fee receipt, admission etc. 10) SMS and email notification also sent by MIS to all stake holders about 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

The Institute is affiliated to Savitribai Phule Pune University, Pune (SPPU). The curriculum is designed by the SPPU. In the last five years institute has gone through the change of syllabus and structure from 2012 to 2015 pattern and Percentage evaluation change with Credit base. The examination scheme is specified by the university for theory, term work, oral and practical. Institute practices to calculate the attainment of course learning outcome by Direct and Indirect method. Direct attainment is based on semester end examination (SEE) and cumulative internal examination (CIE) which directly measure the achievement of expected outcomes. The SEE is grounded on the university examination result and cognitive dimensions are considered for CIE assessment. Apart from institute ensures effective curriculum delivery through following aspects: Academic Calendar of Department At the end of the semester affiliating university (SPPU) disseminates academic calendar for the forthcoming semester. Head of the Department prepares departmental academic calendars in line university academic calendar to achieve their program objectives. The departmental academic calendar forms the basis for the effective curriculum planning and implementation. Teaching Load Distribution (Subject choice and load distribution) At the end of the semester, teaching faculties are asked to submit the choice of the subjects along with preference for forthcoming semester. A subject distribution meeting of faculties is conducted by the HOD. Utmost care is taken about balance of subject choice and individual expertise. Accordingly time tables are prepared for smooth academic conduction. Course File and Teaching Plan of all faculties Every course teacher prepares his course file for the allotted course / courses. A course file in the form of Academic Diary includes Course Structure, Syllabus, Teaching Plan, Instruction and learning Material and other relevant documents. Expert Talks and Industry visits organized by Department To ensure practical applications and fundamental knowledge related to the course or to bridge the gap, industrial visits and expert lectures are arranged as per the academic calendar. Co-Curricular Activities Organized by the Department Department

arranges various co-curricular and extracurricular activities based on leadership skill, event management, professional ethics, etc. Students Association organizes various annual activities like ANANT, CHECKMECH, and TECHNOVOLT. Department also encourages the student for outside participation. Examples of Academic Monitoring through ERP Institute practices e-governance system through ERP, which helps for the Planning and development of Academic, Accounts, Administration, Admissions etc. It maintains the data and generates reports as per requirements. The academic reports like attendance, students' feedback, syllabus status, lecture report, student absent report etc. are generated for strengthening the academic. It also facilitates to communicate the absenteeism intimation of student to the parents through SMS.

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
Certificate Course in Low Voltage Switchgear	NA	17/06/2019	6	Yes	Yes
Certificate Course in AC/DC Drives	NA	17/06/2019	6	Yes	Yes
Certificate Course in PLC Automation	NA	17/06/2019	6	Yes	Yes
Certificate Course in Vehicle Air Conditioning System	NA	17/06/2019	2	Yes	Yes
Certificate Course in Au to- Electrical	NA	17/06/2019	2	Yes	Yes
Certificate Course in Vehicle Dignosis System	NA	17/06/2019	2	Yes	Yes
Certificate Course in Basics of Diesel Fuel Injection System	NA	17/06/2019	2	Yes	Yes

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Computer Engineering	02/07/2019
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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	Civil Engineering	17/06/2019
BE	Computer Engineering	17/06/2019
BE	Electrical Engineering	17/06/2019
BE	Mechanical Engineering	17/06/2019

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

	Certificate	Diploma Course
Number of Students	323	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
Nandi (Civil and Mechanical Engineering)	26/08/2019	203
Nandi (Electrical Engineering)	26/08/2019	36
Audit Course - I (Civil Engineering) Awareness to Civil Engineering Practices Sem I SE	17/06/2019	138
Audit Course - II (Civil Engineering) Road Safety Sem II SE	15/12/2019	138
Soft Skill (Civil Engineering)	17/06/2019	122
Employability Skills Development (Civil Engineering) Sem I TE	17/06/2019	122
Audit Course 3 (Electrical Engineering)	17/06/2019	18
Audit Course 4 (Electrical Engineering)	17/06/2019	18
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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	Civil Engineering	179

BE	Electrical Engineering	12
BE	Mechanical Engineering	153
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
• Feedback forms were designed to obtain the feedback from various stake holders. These forms are designed for Students, Teachers, Parents, Alumni and the Employer. All such feed forms are available at the institute website and feedback can be submitted online. Generally alumni and parents feedback is obtained during the alumni or parent meets, however facility is also available at institutes website for submission of the feedback. • Faculty feedback from the students for the respective course is taken once in a semester on various teaching/learning aspects and it is analysed by the HODs and corrective measures if any are informed to the respective faculties for further improvements. • Student feedback on various other academic and administrative facilities is also taken during the academic year. Feedback are reviewed and analyzed by the Academic Dean and discussed during the meeting. Corrective actions are then implemented. • Feedback is also collected from the employers. This feedback is discussed in meeting of training and placement cell. • Suggestion boxes are provided at appropriate locations by each department which is accessible to all the stake holders so that they can give their feedback/ suggestions for improvements, • We have a system of taking feedback from students on infrastructure and also subject wise teachers. • This is a feedback on 5-point scale, which measures parameters like Subject knowledge, Expression, Teaching aids used methodology etc. which is analyzed and reviewed by Head, Academic Dean and the Principal. • Action taken on all such feedback are also discussed during the regular meeting or IQAC/ BOG / CDC meetings for effectiveness

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Mechanical Engineering	120	56	56
BE	Electrical Engineering	60	21	21
BE	Computer Engineering	60	61	61
BE	Civil	60	32	32

	Engineering				

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	1149	0	55	0	55

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	Numberof smart classrooms	E-resources and techniques used
55	55	20	15	0	9

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

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

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

Institute practices Mentoring System to guide student on different academic and other problems. Existence of such system also helps to bridge the gap between teacher and students. Following is the brief description of this system ? Preparation and approval of list of mentors by individual head of department ? Finalizing the list of students of individual class ? Allotment of the students to the individual mentors ? Submission of complete mentee information sheet to the allotted mentor by individual mentee ? Display / circulate the list of mentor and mentee ? Mentor and mentee meets and discusses the various issues ? Mentor keeps the records of all such discussions / interaction Following is the brief description on 'How mentor helps the students for his various problems' ? Mentor monitors the progress of his students through his academic performance in unit test, attendance and internal evaluation ? Open discussion by mentor and mentee to understand the causes for any issues ? Mentor guides / provides solution on all such issues. If needed mentor forward the request to head of department ? Mentor also monitors mentees university examination results and provides the supports in obtaining various learning resources like Lecture PPT's, Notes, Books, University question papers etc. ? Mentor also identifies the slow learners from their previous academic results and internal evaluation like Unit test. He encourages them to improve his performance and also suggest the ways to clear out his backlogs. ? Mentor also discusses the project status of the final year students and provide guidance on the problems in consultation with their guides ? Mentor interacts with students for their scholarship issues and monitor for timely submission of these application to college scholarship section ? Mentor interacts with parents whenever the parents visit the institute ? Mentor guide the students for their examination form in consultation with College Examination Officer ? Mentor discusses with Fast learners and encourage them to appear for various competitive examinations, participation in various competitions and inter college technical events ? Mentor encourage their students for participating in various sports and cultural events ? Mentor assist the mentees for any personnel problems if discussed and shared by student ? Mentor provides the information on various student support activities of the institutes like Anti Ragging Cell, Internal Complaint Committee (Woman's Grievance Cell), Student Council, SC ST, OBC and Minority Committee etc.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1149	55	1:21

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
60	55	5	3	4

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
2020	Dr. V.M. Natraj	Associate Professor	Best Professor in Civil Engineering, Award by World Education Congress and ABP Maza on 23rd August 2019
2020	Dr. N. G. Nikam	Principal	Eminent Engineer Award by the Indian Society for Technical Education, New Delhi
2019	Milind S Patil	Assistant Professor	Recognition for the contribution in teaching of ILT N70 Batch by MAHAGENCO Nashik Training Centre, Eklahare Nashik

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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 semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	541861210	2019-20	22/10/2020	10/11/2020
BE	541829310	2019-20	22/10/2020	10/11/2020
BE	541824510	2019-20	22/10/2020	10/11/2020
BE	541819110	2019-20	22/10/2020	10/11/2020

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

Following are the reforms observed in continuous internal evaluation 1) Outcome Based Evaluation is introduced with CIE 2) Awareness of CIE during orientation programme 3) Instead of online examination In-semester theory examination is introduced by university for First and Second year engineering programme. 4) Introduction to various department and their evaluation practices is now a part of Induction programme 5) Internal evaluation for Term work marks now considers

other evaluations like class test, assignments, practical evaluation, presentations (if any) etc. 6) Group discussion and lectures by other faculty for performance improvement in CIE 7) Presentations by students for improvement in continuous assessments 8) Industry visit report evaluation 9) Project monitoring is now according to the PO's (Programme outcome) 10) Individual students performance with CO attainment is introduced 11) Central process of Class test is now introduced 12) Class test question paper solution to students is now introduced after conduction of test 13) Online class test conduction and evaluation is now introduced 14) Continuous internal evaluation for individual students through PR / Tutorial / Assignments is now introduced with CO attainment 15) Monitoring of lecture delivery is now introduced

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

Institute prepares academic calendar and adhered for conduct of examination and other related activities following is the brief summary of this process ? Institute prepares academic calendar before the commencement of semester of the academic calendar. ? University guidelines regarding the start and end of the academics, internal and external examinations, holidays etc. ? Various Co-curricular and Extracurricular activities are also considered during preparation of academic calendar ? Students technical events, sports and cultural days celebration is also considered in advance to justify the teaching and evaluation activities ? Academic calendar is communicated to all stake holders through the institutes website ? Only institute head and academic dean can approve the changes in some unavoidable situations ? Head of department refers to the syllabus for no of teaching hours / load and evaluation guidelines and accordingly prepares the time table ? Academic dean also reviews and monitor the teaching learning process to ensure adherence to the academic calendar ? Continuous internal evaluation of the ? Internal and External examinations are conducted as per plan

2.6 – Student Performance and Learning Outcomes

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

https://engg.ggsf.edu.in

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
541861210	BE	Mechanical Engineering	127	125	98.43
541824510	BE	Electrical Engineering	73	67	91.78
541819110	BE	Civil Engineering	133	132	99.25
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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)

http://engg.ggsf.edu.in/student-satisfaction-survey

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
Nill	0	NA	0	0

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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
Expert Lecture on Civil Softwares	Civil Engineering Department	11/07/2019
Expert on Soil Dynamics By Mr. Shreyash Rao	Civil Engineering Department	19/07/2019
Expert Lecture on Importance of History and its Use for Engineers	Basic Engineering Science	09/09/2019
Application of CAD in Mechanical Engineering	Mechanical Engineering	19/09/2019
Quality advances in industry	Mechanical Engineering	30/09/2019
Student Solar Ambassador Workshop initiated by IIT Bombay	Electrical Engineering	02/10/2019
One day workshop on 3D Printing	Mechanical Engineering	05/10/2019
Expert Lecture on "Air Quality Status in Nasik"	Civil Engineering Department	09/10/2019
Expert Lecture on Internet of Things- IOT	Basic Engineering Science	22/11/2019

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
Energy Meter Monitoring Theft Detection Using SCADA	Swapnil Sangle, Akshay Karmarkar, Yash Chavan, Hrishikesh Patil	Gokhale Education Societys R.H.Sapat College of Engineering, Management Studies Research, Nashik	17/02/2020	Second
Energy Meter Monitoring Theft Detection Using SCADA	Swapnil Sangle, Akshay Karmarkar, Yash Chavan, Hrishikesh	Gokhale Education Societys R.H.Sapat College of	18/02/2020	Third

Patil	Engineering, Management Studies Research, Nashik			
Energy Meter Monitoring Theft Detection Using SCADA	Swapnil Sangle, Akshay Karmarkar, Yash Chavan, Hrishikesh Patil	Sandip Foundations Sandip Institute of Technology Research Centre, Nashik	25/02/2020	First

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Nil	Nil	Nil	Nil	Nil	Nill

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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	0	0

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

Name of the Department	Number of PhD's Awarded
0	0

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	Mechanical Engineering	5	2

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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
Department of Civil Engineering	17
Department of Electrical Engineering	21
Department of Mechanical Engineering	42

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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

Title	Author	Journal	Year		Institution	
Total quality management in small and medium enterprises: An overview in Indian context	Dr. S. D. Kalpande	Quality Management Journal, 2020, 27(3)	2020	1	Guru Gobind Singh College of Engineering and Research Centre, Nashik.	1
Assessment of green supply chain management practices, performance, pressure and barriers amongst Indian manufacturer to achieve sustainable development	Dr. S. D. Kalpande	International Journal of Productivity and Performance Management, 2020	2020	0	Guru Gobind Singh College of Engineering and Research Centre, Nashik.	0
Predicting Clear Sky Index for Performance Assessment of Roof Top on Grid PV Plant	Milind S Patil	IEEE Digital Explore, Proceedings of 3rd International Conference on Emerging Technologies in Computer Engineering : Machine Learning and Internet of Things, ICETCE 2020, 2020, pp. 186-190, 9091769	2020	0	Guru Gobind Singh College of Engineering and Research Centre, Nashik.	0
Critical success factors of green manufacturing	Dr. S. D. Kalpande	International Journal of Sustainable Engineer	2019	4	Guru Gobind Singh College of Engineerin	4

for achieving sustainabi lity in Indian context		ing			g and Research Centre, Nashik.	
Estimation of Average Daily Sola rRadiation for Rural Areas Using ANN	Milind S Patil	IEEE Digital Explore Pune Section In ternationa l Conference (PuneCon)	2019	0	S. S. B. T. College of Enginee ring and T echnology, Jalgaon	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
Predicting Clear Sky Index for Performanc e Assessment of Roof Top on Grid PV Plant	Milind S Patil	Proceedi ngs of 3rd Internatio nal Conference on Emerging T echnologie s in Computer E ngineering : Machine Learning and Internet of Things, ICETCE 2020, 2020, pp. 186-190, 9091769	2020	3	0	Guru Gobind Singh College of Engineerin g and Research Centre, Nashik
Assessment of green supply chain management practices, performanc e, pressure and barriers amongst	Dr. S. D. Kalpande	Internat ional Journal of Productivi ty and Per formance M anagement, 2020	2020	3	0	Guru Gobind Singh College of Engineerin g and Research Centre, Nashik

Indian manufacturer to achieve sustainable development						
Total quality management in small and medium enterprises: An overview in Indian context	Dr. S. D. Kalpande	Quality Management Journal, 2020, 27(3), pp. 159-175	2020	3	1	Guru Gobind Singh College of Engineering and Research Centre, Nashik
Critical success factors of green manufacturing for achieving sustainability in Indian context	Dr. S. D. Kalpande	International Journal of Sustainable Engineering	2019	3	4	Guru Gobind Singh College of Engineering and Research Centre, Nashik
Estimation of Average Daily SolarRadiation for Rural Areas Using ANN	Milind S. Patil	IEEE Digital Explore Pune Section International Conference (PuneCon)	2019	3	0	S. S. B. T. College of Engineering and Technology, Jalgaon
Techno-Economic Performance Analysis of Grid Connected PV Solar Power Generation System Using HOMER Software	N. M. Pawar	IEEE International Conference on Computational Intelligence and Computing Research (ICCIC), Madurai, India, 2018, pp. 1-5, doi: 10.1109/ICCIC.2018.8782411.	2019	1	1	Department of Electrical Engineering, Oriental University, Indore, Madhya Pradesh, India
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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	0	8	14	168
Presented papers	12	36	0	0
Resource persons	2	0	0	1

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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
Tree Plantation	NSS Unit of the Institute in Collaboration Samsonite Pvt. Ltd.	7	50
Extension Activities (Jal Shakti, Pledge on Swachhata Tobacco Free Youth, Fit India, Swachhata Hi Seva Campaign, Pledge on to avoid use of plastic	NSS Unit of the Guru Gobind Singh College of Engineering and Research Centre, Nashik	8	50
7 Days NSS Special Winter Camp 2019-20	NSS Unit of the Institute in Collaboration with Gram Panchayat Pimpalgaon Kham during 6th Jan to 12th Jan 2020	11	25

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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
Nil	Nil	Nil	Nill

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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
Gender Issue	WGC ICC committee of the institute	One Day Workshop on "Women	10	88

		Empowerment" Online Webinar, Guest - Er. Apurva Jakhdi, Director Shri. CNC Engineers Pvt. Ltd, Space Educator at NASA Nashik on 22nd July 2020		
Gender Issue	WGC ICC committee of the institute	One Day Workshop on "International Womens Day " on 9th March 2020	52	0
Gender Issue	WGC ICC committee of the institute	Celebration of 189th Savitribai Phule Jayanti, on 3rd Jan 2020.	12	8
Gender Issue	WGC ICC committee of the institute	Expert talk on Cancer Awarness by Dr. Shailesh Bondarde, Director, APEX Welnees Centre, Nashik, on 17th Oct 2019	18	34
Gender Issue	WGC ICC committee of the institute	One day seminar on Nirbhaya Pathak, Under the guidance of Mrs. Chaya Deore and Milind Telure, Police Sub Inspector, Maharshtra Police on 16th Jul 2019	15	124
Swachhta Pakhwada	NSS Unit of the Institute	Campus and prayer hall cleaning	3	50
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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
Final year student project	Students	Guru Gobind Singh College of Engineering	360

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
Linkage with Industry	Field Visit	M/s. S.B.Electricals, Nashik Ph. No. 8484881002	16/08/2019	16/08/2019	9

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
Maharastra Engineering Research Institute (MERI), Nashik	10/09/2019	Student Project and faculty training	6
M S Engineering and Automation, Nashik	17/07/2019	Students internship, projects, industry visits and guest lectures	8

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
106	25.4

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Number of important equipments	Newly Added

purchased (Greater than 1-0 lakh) during the current year	
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
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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 patially)	Version	Year of automation
Ananosoft EMS 2010 (College ERP)	Fully	1.0	2013

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	915	377058	59	14350	974	391408
Reference Books	5604	2265010	176	85160	5780	2350170
Journals	302	827455	25	98968	327	926423
Digital Database	7	490546	1	13570	8	504116
CD & Video	245	0	0	0	245	0
Weeding (hard & soft)	4	1964	0	0	4	1964

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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
Milind S. Patil	Turbomachines Academic Module	Google Classroom	03/07/2020
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	338	132	338	0	100	18	88	100	0
Added	150	150	150	0	0	0	0	0	0

Total	488	282	488	0	100	18	88	100	0

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

<div align="center">

100 MBPS/ GBPS

</div>

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
Recording Facility, LAN with High Speed Internet Connection, Google Classroom (Freely available), Google meet (Freely available)	https://www.youtube.com/watch?v=lToiFe4zyvI&t=238s
Recording Facility, LAN with High Speed Internet Connection, Google Classroom (Freely available), Google meet (Freely available)	https://www.youtube.com/watch?v=MUIF3csUdLs&t=243s

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 incurredon maintenance of physical facilites
38	4.13	68	21.27

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)

Departmental Laboratory Maintenance Maintenance activities are carried out by each department separately as and when required. Records of maintenance are maintained by individual department. Thus the department ensures the availability of equipment and its working condition for regular teaching and learning process. Each lab in-charge on observing the breakdown of his lab equipment or machinery informs the details to the HOD. HOD and the lab in-charge then reviews warranty status of the equipment. If the equipment is under warranty condition the supplier will be called for the maintenance and the record of break down maintenance will be maintained properly. If the equipment is not in warranty then the maintenance service provider is identified by the HOD and Lab in-charge. They discuss the problem with service provider and if the service provider is having experience in similar kind of maintenance HOD will call for the quotation. Quotations are discussed with Principal and Final approval for the maintenance is obtained from the Chief Executive Officer of the Foundation. Diesel Generator Set, Air conditioners, Electric Lift, Maintenance Estate Manager or In-charge prepares a proposal for annual maintenance after discussing all the requirements with various service providers. After receiving the quotations all the details are discussed with Chief Executive Officer of the Foundation who finally approves the party for annual maintenance contract and thus the annual maintenance contract is executed throughout the year. College Vehicle Maintenance Vehicle in-charge reviews the requirements of preventive and breakdown maintenance and forwards the requirements of the Chief Executive Officer of the Foundation who finally approves the supplier form maintenance Civil and Electrical Maintenance Respective department reviews the requirements and accordingly conducts the maintenance IT Services Maintenance Maintenance section prepares preventive maintenance schedule for computers and other peripherals and does maintenance

according to the schedule. Records of preventive maintenance are maintained properly. Thus the department ensures the availability of computers and its working condition for regular teaching and learning process. On observing the any software or hardware issues concern person of the institute informs the details to the section head. Section head then deputes the person for the computer maintenance (In house). Class Room Maintenance Housekeeping committee is established at the institute level. Frequently this committee reviews the status of housekeeping on all floors and the building including toilets, common rooms, class rooms as well as a laboratory. If any discrepancies are observed they inform the same to Housekeeping Contractor and they carry out the maintenance. The work of maintenance of benches, window curtains and teaching boards is carried by respective department through work shop section for inhouse maintenance. Also at the start of Examination and Before the start of academic session work shop staff ensures the proper condition of classroom furniture by inspecting all class rooms and carrying out the required repair.

https://engg.ggsf.edu.in/Criteria_4.php

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	Institutional Scholarship / Fee Concession	30	305762
Financial Support from Other Sources			
a) National	Govt. Scholarship and Freeship	991	35385150
b)International	Nil	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
No Data Entered/Not Applicable !!!			
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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 passedin the comp. exam	Number of studentsp placed
2020	Expert Lectures and Seminars	610	1153	0	71
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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		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
Details available in attached Excel file	388	58	Details available in attached Excel file	76	10
View File					

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	1	Civil Engineering	Civil Engineering	K K Wagh Institute of Engineering Education and Research	Master of Civil Engineering
2020	1	Mechanical	Mechanical	Chetanas Institute of Management and Research Mumbai	Master of Buisness Management
2020	1	Mechanical	Mechanical	Internatio nal Institute of Information Technology, Banglore	PG Diploma in Data Science
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	1
No file uploaded.	

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

Activity	Level	Number of Participants
Annual sports competitions	Institute Level	1196
View File		

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	NIL	Nill	Nill	Nill	Nill	00

No file uploaded.

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

University has provided the guidelines for the formation of student's council. Under the provisions of chapter IX (99)(3) of the Maharashtra Public Universities Act, 2016, Students' Council is constituted in our college. The objective of the student council is to look after the welfare of the students and to promote and coordinate the extracurricular activities in the institute. The student council has mainly following representations 1) Principal – Chairman 2) Student Welfare Officer 3) One Lecturer, nominated by the Principal 4) Teacher in-charge of National Cadet Corps 5) National Service Scheme Programme Officer 6) One student from each class as representative 7) Director of Sports and Physical Education, if any One student from each of the following activities, who has shown outstanding performance, nominated by the Principal, namely:- 1) Sports 2) National Service Scheme and Adult Education 3) National Cadet Corps 4) Cultural Activities 5) Two Girls student members nominated by the Principal/Director Frequent meetings of student council are called by the Principal with agenda points such as planning for organization of extracurricular activities, sports and cultural event, annual function or any such major program in the institute. The members of the students' council who are the representatives of all the students on the roll of the institute are free to put any point as they wish to discuss during the meeting. Most of the time Principal for the feedback from the members of the council about the overall administration, teaching and learning processes in the institute. It is a right platform for all the members to give such feedback for further improvements of the system

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Guru Gobind Singh Foundation's Alumni Association has been registered with the great Aim and Objective such as extend every possible help to the college authorities for overall progress of the institution by remaining united. Guru Gobind Singh Foundation's Alumni Association Nashik have been duly registered under the Societies Registration Act, 1860 (XXI of 1860) on 20th July 2018. The registration number for the same is Nashik/0000188/2018. Alumni were at one time students, and therefore have a deep and strong connection to their alma mater, its success and future. Alumni always aim to give consistently given back to the institute. The institution has registered alumni associations. It is motivating the newly registered alumni for major contributions for institutional, academic and infrastructure development in future. The mission of "Guru Gobind Singh Foundation's Alumni Association" is to create and maintain a lifelong connection between the institute and its alumni. As stakeholders of the institution, students and alumni share in the social identity of the institute such as visit to the college, some interactive session arranged by department to the students which tends to create a familial culture. The students are requested to fill the alumni registration form and

application form as lifetime registration for alumni association before they receive their Leaving Certificate. The data is collected and processed by the alumni association coordinator. Alumni of our first batch graduated in July 2017 were called in the institute on the occasion of the first convocation and the first alumni meet on 03/03/2018 and subsequent meets were held every year The alumni are actively engaged with institute and meet at least once a year. The alumni engagement mechanism of the institute achieves this by inviting alumni as members of the executive body of alumni association. A basic concept in alumni relations is to "treat them as ambassador of the institute. The alumni meet aims to foster a sense of community among alumni, while supporting a sense of connectedness back to the institution feeling. Alumni meet will help new professionals or visit with people they have met before, to establish or renew friendships and acquaintances. For Online Registration Google form was prepared and Offline registration of alumni was done on the day of the event, record is maintained in the Register Our Alumni interacted with faculty and their juniors on alumni meet to share various experiences from corporate field with. They shared their views, experiences about college. They commented on infrastructure quality, growth of the department institution, academics, education and its necessity before entering in to the corporate world.

5.4.2 – No. of enrolled Alumni:

257

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni Interaction with Students (Department of Civil Engg.) 04/07/2019 Alumni Interaction withStudents (Department of Mechanical Engg.) 21/08/2019 Alumni Interaction with Students (Departmentof Electrical Engg.) 06/09/2019 Alumni Interaction with Students (Civil Engineering Department) 05/02/2020 Annual Alumni Meet 08/02/2020

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)

Participatory management and decentralization is practiced at various levels. The Institute has designated a multi layered team involving, top management members, Board of Governance, college development committee, CEO, Principal, Vice Principal, Dean Academic, HOD's, who formulate guidelines for effective implementation of vision, mission and dissemination of Engineering education. The Board of Governance, College development committee consists of management members, experts drawn from academia, industry, research and life skill promoters. Policy decision, budgets, faculty recruitment, teaching-learning processes are commonly discussed and appropriate decisions are taken by these bodies. Polices and strategic plan for current and future development of the institution chalked out by CEO, Principal, are discussed and accorded approval by Board of Governance, College development committee during the meeting. Approval to ongoing and planned curricular, co curricular and extra-curricular activities is accorded by CEO after discussion during regular weekly meetings of Principal, Vice Principal, HOD's, and Coordinators of various committees. Principal has the academic and administrative responsibility which is successfully accomplished with a team of Vice Principal Dean Academic, Registrar, Head of Department, and Accountant. Registrar and Accountant along with their office staff provide necessary administrative support for smooth

functioning of the institution. The Head of Department oversee all the curricular, co-curricular and extra-curricular activities of the respective department. Faculty members are assigned different functional responsibility and participate in all major decisions making concerning welfare of student. Faculty members are a crucial component in the effective dissemination of curricular, co curricular activities. They are also a vital component of the institute who are empowered to share administrative, Examination, extracurricular, admission activities of the institute. Faculty members, staff representatives are members on various welfare and grievances committees. Students are encouraged to take part in various activities. Student association exists in each of the department where students representative take active role in organizing various student centric programme. Students are also invited to suggest course specific software and hardware training programme. Also various sports cultural activities are planned and conducted by students. All employee and students are encouraged to give suggestions register grievances if any, which are scrutinized and suitable actions, are taken by authority. IQAC develop perspective plan to ensure quality in academic and administrative activities. Effective working strategies are developed during IQAC meeting, considering the feedback from stake holders. These plans are discussed and approved by governing body and College Development committee. Parent Meetings provide vital inputs regarding students welfare, which are suitably incorporated

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
Teaching and Learning	Teaching learning is monitored by, Dean Academics and respective HoD. The systematic working pattern is as follows, 1) Academic calendar, course planning, academic dairy are reviewed periodically to monitor their progress, strict adherence. 2) Provide multiple co curricular learning avenues like Industry-institution excellence centre –of SIMEN-BOSCH training centre, educational/ field visits, student association. 3) Learning is supported by the State of art infra-structure of classroom, laboratories, limited wi-fi campus internet facility, updated library collection and availability of e learning resource collection 4) Curricular, co-curricular extra-curricular activities of each department are reviewed regularly comprehensive report of all the activities is prepared shared periodically with Principal, IQAC members, for their guidance.
Curriculum Development	Institute is affiliated to Savitribai Phule Pune University (SPPU), hence follow the curriculum developed by

		respective BOS and approved by SPPU. Faculty, are members on various bodies of university, are also appointed as Subject Chairman and have contributed significantly to successive framing of syllabus, successful conduction of university examination. IQAC regularly interact with faculty and stakeholders to ensure quality dissemination of curriculum. Stake holders are encouraged to support in enhancing quality and effectiveness of the prescribed curriculum through their feedback. The feedback so received is analysed, discussed and those opinion found suitable is communicated to concerned BOS for consideration in ensuing curriculum revision.
	Examination and Evaluation	Affiliating University schedules, conducts oral/practical, theory examination, and evaluation process. Syllabus, examination scheme course structure is revised every five years by respective faculty BoS. The revisions are published on university web site. 2015 pattern of examination structure was followed up to 2018-19. With subsequent syllabus revision, CBCS (2019 pattern) examination structure was introduced during 2019-20 for FE. Currently, for third and final year (2015 pattern) examination structure is followed. The FE/SE/TE/BE examination pattern consists of In semester examination for 30 marks, end semester examination for 70 marks. Evaluation of In Semester answer paper is carried out at CAP centre at respective affiliated college where examination was conducted. Evaluation of end semester Examination is carried out at CAP centre designated by the affiliating University. Laboratory work, tutorials, are continuously assessed as Term work, based on work done, attendance, understanding and submission of work in the form of report/journal and assessed by the subject teacher, university evaluators for final year Engineering . Practical/Oral/ Project/Seminar/examination are conducted at the end of each respective semester jointly by internal and external examiner appointed by the affiliating university.
	Research and Development	Research and Development Cell of the institute has objectives to 1) Instill

	awareness and develop necessary skills for Research and publication among faculty and students through expert talks, discussions. 2) Provide exposure to thrust area of Research and Development in respective and multi-disciplinary field, national international funding agencies. 3) Encourage faculty and students to present papers in International, National, State level seminars, workshops. 4) Motivate and facilitate students and faculty to solve social, industrial challenges through technological innovations. 5) Organize guest Lectures, workshops to create awareness and protects Intellectual property rights of Faculty and students.
Library, ICT and Physical Infrastructure / Instrumentation	Library uses ANASOFT EMS 2010 ERP for Library automation, follows Open access providing direct access to library collection and is provided with Digital library facilities like DELNET and NDL. Online public access catalogue is made available on internet and intranet. New books are added every year for the requirement of teaching learning process ICT: LCD projectors with internet facility are provided in most of the class rooms, auditorium, conference and seminar hall. Cisco Wi-Fi router, HPC servers, Internet facility with 100 MBPS, speed are available for utility of faculty and students. Central computer centre with student: computer ratio of 5:1 and departmental computer centre offer required computing support. Physical Infrastructure: Institute has sufficient academics, administrative space, to cater to the curricular, co-curricular and extracurricular activates. The infra structure is suitably increased/modified to meet changes in regulation, inclusion of new branch of engineering. Recently 2 wheeler parking shed is constructed under SPPU fund.
Human Resource Management	Service handbook is made available to each faculty staff. All employees areprovided gets benefits of Provident Fund, Gratuity, and Group Insurance Scheme etc.The faculties and staff are entitled to other benefits like casual leave, maternityleave, medical leave, earned leave and vacation according to

	rules laid down in thestatute of SPPU The Institute has a well-defined and effective faculty staffselection procedure, systematic performance appraisal system and promotionpolicies. Faculty staff are encouraged and deputed to attend professional skilldevelopment programme, seminar, conference, FDP etc. Grievance Redressal cell,anti-ragging committee, sexual harassment committee address the grievances of staff and students.
Industry Interaction / Collaboration	Teaching- learning process is strengthened by active industry-institute interaction. The institute is continuously promoting industry-institute inter actionthrough industry associated, Technical talks / Invited lecture, Industry visits,Students' project work / internships, MoU. SIMENS BOSCH The Institute has signedMoUs with well-known industries such as Armstrong Machine builders Nashik,Caprihans India Ltd, SIMEN BOSCH, Nashik, Invensys CAD Solution Ltd, KardaConstruction Ltd, etc. These organisations help institute in placement activity,onsite visits internship activities organised by the college every year. Industrialvisit to industries by the students are carried out regularly to broaden the reallife experience of the students. The T P cell oversee the institute-industry interaction activities. Mahindra Nandi organized 30 hours training programme foremployability related skill development of our students during 2108-19 and 2019-20.
Admission of Students	The Principal of the College along with the admission committee carry out theadmission process. Students admission to first year Engineering is made throughCET,(Common Entrance Test) conducted by DTE, Maharashtra. Student merit is thebasis of admission State government rules for admission of students under reservedcategories is followed. Counselling of students and parents is done to guide themregarding right choice of branch. Needy students are provided flexibility in payment of fees in easy installments.

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

E-governace area	Details
Planning and Development	Ananosoft EMS (Educational ERP), Version 25-04-2018, Ananosoft

	Technologies Pvt. Ltd, software is used for academic and administrative planning activities. Planning and development activities are fulfilled as per requirement of SPPU, DTE, UGC AICTE from time to time. Library uses ANASOFT EMS 2010 Integrated library Management software for Library automation. This helps efficient management of various library activities like Book issue, book return, book bar code generation, etc College website is systematically updated with all the information related to curricular, co-curricular and extracurricular activities planned and conducted. Biometric system for teaching and non-teaching staff ensures management of various activities. Online university Examination portal aids successful conduction of SPPU examination
Administration	Administrative activities are carried out using the ERP software. Biometric machine is used for monitoring, maintaining daily attendance of teaching non-teaching staff. ERP software is used for updating and maintaining records related administrative activities like Employees Leave, monthly salary statement for teaching and Non-teaching staff, academic records, students records, I card generation for students staff, etc. Government Scholarship and Caste Validity is done through Government of Maharashtra portal. Faculty, administrative staff constantly helps students to apply for various scholarships
Finance and Accounts	Finance / accounts is maintained by Accounts officer and his staff. Tally, ERP software and MS Excel is used for all Finance and accounting activities. Major accounting activities carried out using Tally and ERP software are: 1) Cash Book/Bank Book maintenance 2) Maintenance of ledger 3) Fees register 4) Bank reconciliation statements (BRS) 5) Preparation and maintenance of student's fees record ERP is also used for 1. Preparation of salary bills 2. Preparation and maintenance of student's fees record MS Excel is used for 1 Student's outstanding fee record 2 Staff record The college conducts regular audit of annual books of accounts through external internal

	auditor.
Student Admission and Support	The student's admission is made as per the DTE, Maharashtra directive follows the guidelines issued by SPPU, Pune regarding conduction of examinations. Information regarding admission, information relating to the courses, etc is made available on the institution website. ERP software is used to maintain all data regarding student admission, student Attendance Record, communication of student's progress. Examination section is headed by College Examination officer, and he offers required guidance in connection with exam related grievances. Integrated library management system through ERP software is employed for library automation.
Examination	Examination is conducted as per directives of SPPU. As per the structure of examination In semester, end semester examinations are conducted. Various activities pertaining to examination are carried out using SSPU website. Examination work is overseen by college examination officer and his supporting staff. The works generally carried out are 1) Publication of University Exam schedules 2) Conducting In semester and end semester examination 3) Examination Summary of students for end semester examination 4) Organizing block No and seating arrangements for conducting end semester examination 5) Examination results and attending student grievances regarding examination result. Following activities are carried out online using university website 1) Online examination (First year and Second Year UG students,2015 pattern) 2) Receive university question papers electronically and organize required number of question papers for University Examinations. 3) Online Marks submission for oral/practical and project examinations.

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	Mrs. Pradnya K. bachhav and Mr. Sandeep G. Shukla	One Day Workshop on Programming and Problem Solving on July 17th, 2019	NA	400
2019	Mrs. Pradnya K. bachhav and Mr. Sandeep G. Shukla	Two Day(s) FDP on PPS at SKNCOE, Ambegaon, Pune July 29th, 2019	NA	1000
2020	Dr. C. D. Mohod	Registration Fee for International Conference at IIT, Guwahati on Feb 2nd,2020	NA	7000
2020	Dr. C. D. Mohod	Travelling expences for International Conference at IIT, Guwahati on Feb 26th,2020	NA	10175
[View File](#)				

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	ICT Based STTP on "Problem Based Learning" NITTTR,Kolkata	NA	02/12/2019	06/12/2019	38	Nill
2019	ICT Based STTP on "Training to Teacher" NITTTR, Kolkata	NA	16/12/2019	20/12/2019	7	Nill
2019	ICT Based STTP on "Electricity	NA	16/12/2019	20/12/2019	14	Nill

	Rules and code of practices NITTTR,Kol kata					
2020	NA	FDP on "Effective Communicat ion Skills for Non-Teaching by Catalyst India.	22/01/2020	22/01/2020	Nill	23

[View File](#)

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
STTP on Patenting for Innovations conducted by Sanjivani College of Engineering Kop argaon,Dist-Ahm ednagar.(MS)	2	25/05/2020	29/05/2020	05
STTP ON Innovation and upgradation in infrastructural technology	1	27/05/2020	02/06/2020	06
Short Course Numerical Solutions to Geotechnical Challenges	1	28/05/2020	12/06/2020	15
Engineering Education the Industry: A Post COVID-19 Perspective	2	01/06/2020	05/06/2020	5
e-content Development for Teachers by School of Education, Savitribai Phule Pune University, Pune	1	01/06/2020	05/06/2020	5

Innovative Teaching Pedagogy in the Technical Institutions by IQAC, MVPSs KBTCOE, Nashik	2	01/06/2020	05/06/2020	5
Effective use of Digital tools in Academic Administration- "Work from Anywhere Anytime"UGC - Human Resource Development Center, Savitribai Phule Pune University, SPPU Edutech Foundation	1	08/06/2020	13/06/2020	6
Online Syllabus Orientation Workshop for S.E. Civil(2019 Pat.)	2	22/06/2020	26/06/2020	5
3 Days Webinar Series on "Post COVID-19 Challenges in Engineering Education and Industry"	1	25/06/2020	27/06/2020	3
FDP Workshop on Fitness Sports by Government of Maharashtra District Sports Office Nashik with KhelRang	1	05/10/2020	05/10/2020	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
55	55	6	6

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students

Gratuity, Maternity leave, EPF, Group Accident Policy, Credit Society, facilitate to pursue higher studies	Gratuity, Maternity leave ,EPF, Group Accident Policy, Credit Society	Earn and Learn scheme, Remedial classes for weak students, Scholarships under Government Social welfare schemes, Training classes on Soft skills

6.4 – Financial Management and Resource Mobilization

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

The board of trustees of Guru Gobind Singh Foundation appoint internal auditors for internal audit of its institutes. The Chief Executive Officer Accounts officer take care of doing compliance of the objections raised, if any. The External auditor is appointed by the Guru Gobind Singh Foundation. The institute having qualified practicing Chartered Accountants as an auditor who audits the accounts annually. After the audit, the report is sent to the management for review. The Chief Executive Officer and Accounts officer take care of doing compliance of the objections raised, if any.

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
NITTR Kolkatta	21250	Faculty development programme

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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) Dr. G. N. Shelke, Professor Dean, Sandip Institute of Engineering and Management, Nashik 2) Dr. S. V. Gumaste, Professor Head, METs Institute of Engineering, Nashik 3) Dr. S. D. Sancheti, Professor Head, SNJBs College of Engineering, Chandwad	Yes	Principal and Vice Principal
Administrative	Yes	1) Dr. G. N. Shelke, Professor Dean,	Yes	Principal and Vice Principal

| | | Sandip Institute of Engineering and Management, Nashik 2) Dr. S. V. Gumaste, Professor Head, METs Institute of Engineering, Nashik 3) Dr. S. D. Sancheti, Professor Head, SNJBs College of Engineering, Chandwad | | | |

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

Involvement of parents in different initiatives is always appreciated. Parents contribute and give their valuable suggestions through their representation on following activities. 1) Parent- Teacher meeting twice in each semester 2) Parent feedback from parents on various aspects of institute 3) Parent's interaction with teacher – guardian/mentor to upgrade student quality in curricular and co Curricular avenues. 4) Discuss matters or views/opinion which the students are hesitant to share with teachers about the College or the department.

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

? Personality development sessions for building self-reliance and self confidence ? Computer literacy development programme ? Meditation and yoga programme

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

1) Establishment of professional society chapters for students and faculty. ISTE, IEI, TRIZ, etc. are now established 2) Research publication is now improved and 7 staff members are pursuing their Ph.D. 3) ISO9001:2015 Certification 4) Strengthening alumni interaction and contribution 5) Restructuring of computer laboratory and addition of latest generation computers

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2020	AQAR - Preparation and Submission	01/10/2020	01/10/2020	15/12/2020	61
2020	IQAC Meetings	11/08/2020	11/08/2020	11/08/2020	20

2020	Organizing Technical Symposium on UG Projects with ISBN Proceedings	20/06/2020	20/06/2020	20/06/2020	300
2020	FDP – Effective Online Teaching Methodology (Online FDP)	09/06/2020	09/06/2020	11/06/2020	55
2020	Stake holders feedback (Student, Parents and Alumni)	01/06/2020	01/06/2020	30/06/2020	1149
2020	Development of Teaching Material and Online learning System (Specially for COVID 19 period)	16/03/2020	16/03/2020	30/09/2020	55
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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
Seminar on "Nirbhaya Pathak"	16/07/2020	16/07/2020	11	125
Expert talk on "Cancer Awareness"	17/10/2020	17/10/2020	4	65
Celebration of 189th Birth Anniversary of Savitribai Phule	03/01/2020	03/01/2020	6	15
Interactive Session on Gender Equity.	06/01/2020	06/01/2020	30	9
Gender Equity	07/01/2020	07/01/2020	22	3

Rally				
Group Discussion on Gender Equity	09/01/2020	09/01/2020	27	4
Interactive Session on Gender Equity.	12/01/2020	12/01/2020	28	10
Celebration of International Women's Day	09/03/2020	09/03/2020	3	55

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
Percentage of power requirement of the University met by the renewable energy sources Environmental consciousness is ensured through • Waste management • Avoiding use of plastic • Use of renewable energy resources • Use of composter for food waste • Rain water harvesting • Use of LED Lightings • Use central electricity controls Following are the details of the alternate energy utilization / generation details • Power requirement met by renewable energy sources 48156 kWh • Total power requirement 167388 kWh • Renewable energy source Solar Power Plant(20 kW) • Renewable energy generated and used 48156 kWh • Energy supplied to the grid 1754 kWh • Total power generated by alternate energy source – 49910 kWh • Total power requirement – 167388 kWh • Percentage utilization of alternate energy resources – 29.82

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
Rest Rooms	Yes	2
Scribes for examination	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	Nill	Nill	Nill	Nill	Nill	Nill	Nill
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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)
GGSF Employee and staff handbook	15/06/2019	Institute has developed an employee hand book which is available to all employees in every

academic year. Also institute uses the code of conduct prepared by university which was published on 6/09/2016. Institute organizes various programme through NSS and AASTHA social club to understand the social responsibilities human values by students. Programmes such as Self defense, International Women's Day, Water conservation and biodiversity, Swacchta Bharat Abhiyan, Blood Donation Camp, International Yoga Day etc. are organized by the institute. Institute has maintained a discipline with provision of uniform to all faculties and is also is compulsory for Students, this practice observes the unity of all.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Data uploaded in file	Nil	Nil	Nil

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

1) Ban on use of Plastic 2) Use Food waste composter 3) Use of LED lighting 4) Green landscaping and Tree plantation 5) Use of solar energy 6) Rain water harvesting 7) Beautiful prayer hall surrounded with a fountain and garden 8) Recycling waste water 9) Digital initiatives to avoid use of papers 10) Use of bicycles 11) Pedestrian friendly road

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Institutes Best Practice – 1 1. Title of the Practice- Professional skill Trainings 2. Objectives of the practice: 1. Prepare students for industry oriented learning through tailor made training programs 2. Impart training that teaches skills relevant to work in their profession 3. Train the trainer 4. Train student's with soft skills to make them more employable. 3. The context: Past few decades witnessed exponential growth in Engineers graduating across the country. Employability and Industry readiness survey of engineering graduates by certain agencies showed that majority of engineering graduates are unemployable. Lack of soft skills, hands on hard skills and knowledge of new techniques for placement in industry are cited as the main reason for high unemployability across country. Technology has advanced at a fast pace leading to research, innovation and development resulting in newer design and product

development. Their exist gap in the technology being developed and the curriculum offered at various universities. Technological advancement is required to be incorporated into academics and hence it becomes imperative for the education institutes to prepare readily employable graduates through professional development training. 4. The practice: Institute integrates professional training with academics. Two aspects of better employability are imparted through the professional development training, 1. Industry oriented training (SIEMENS and BOSCH industry institute partnership centre) 2. Inculacte soft skills to make confident personality. (Soft Skills Personality Development) SIEMENS and BOSCH industry institute partnership centre provides the required professional training to Electrical and Mechanical Engineering students. The state of art, laboratory consists of sophisticated automated trainer kits, and provides training, in line with actual industry based equipment and machinery. The Electrical Engineering module (SIEMENS Module) for 36 hours comprises of 12 hours of theory hands on training related to Low Voltage Switchgear, Basics of AC/DC Drives, Basic Automation, Basic SCADA The Mechanical Engineering module (BOSCH Module): This module varies between 8-20 hours comprising of theory hands on training related Auto Electrical Systems (Starter, Alternator and Batteries), Vehicle Diagnostics Basics and System Diagnostics, Basic Course on Diesel Fuel Injection System, Vehicle Air-Conditioning Systems and Functions. Soft skill and Personality development training course: The institute organize soft skill development training course in collaboration with 1. GENOSOIS 2. Mahindra NANDI. The course is of 40 hours duration and the training module consists of 1. Communication skill. 2. Personal Skill 3. Public Speaking 4. Teamwork 5. Time Management: 6. Leadership 7. Group Discussion 8. Interview Skill Construction Technology laboratory: Students of Civil Engineering perform the various construction activities like making construction bonds, understanding plastering, formwork. 1. Evidence of success: A good response from the students was received. 771 students from Mechanical Engineering and Electrical Engineering were trained during 2017-18 on different modules of SIEMENS and BOSCH. All Final year students in the academic years 2016-17, 2017-18 and 2018-19 were trained on Soft skills. It has substantially improved student's confidence and overall skills. This was revealed by their success in on campus and off campus interviews, as good numbers of students thrived in group discussion and personal interview. 6. Problems encountered and resources required: 1. Academic schedule do not permit elaborate training period due to academic commitment involving online, in semester and end semester examination scheme. 2. Duration between end of semester and subsequent commencement of next semester is very less and hence cannot accommodate satisfactory training at end of semester. 7. Resource required Trained trainers, Lab set up as per industry requirement, appropriate Trainer kit, computers, LCD projector, spacious facility for conducting group discussion, various games etc. Institutes Best Practice – 2 Title: Implementation of Quality Management System as per International Standard ISO 9001:2015 Objective of the Practice: 1. Develop and Implement Quality Management System (QMS) 2. To prepare the institute to conduct its affairs to achieve the desired quality 3. To serve as a document for the institute own staff / work force for understanding quality policy and quality objectives Context: The student of current generation is multidimensional and undergoing heavy academics along with social and financial concerns. Since the institute was newly established in the year 2013 Following were the challenging issues ? Understanding the stake holders requirements ? Improving the educational practices ? Understanding the Students and Parents requirements ? Understanding the needs and expectations of the industry ? Understanding the Internal and External Context ? Understanding the sequence and interaction of the various process ? Describing, understanding and communicating the processes of the institute ? Improving the consistency of the processes ? Achieving the International Recognition These challenges were the driving force for

implementing the Quality Management System as per International Standard ISO 9001:2015. In this context Management, CEO and Principal decided to implement the QMS. Wheels were starting from the December 2015 and in the month of September 2016. The Practice: ISO 9000 or "quality management principles" are a set of fundamental beliefs, norms, rules and values that are accepted as true and can be used as a basis for quality management (ISO 9001:2015). It is a framework to guide their organizations towards improved performance. Recently, new version of quality management principles was published as ISO 9000:2015 that has seven principles only such as: 1) Customer focus 2) Leadership 3) Engagement of people 4) Process approach 5) Improvement 6) Evidence-based decision making, and 7) Relationship management. Our Institute has established, implemented, maintained and continually improve a quality management system, including the processes needed and their interactions, in accordance with the requirements of ISO 9001:2015 standard. Institute determines the processes needed for the quality management system and their application throughout the organization. Institute has adopted a process approach for its management system. By identifying the Management Processes, Core Processes and Support Processes within the institute, and then managing each of these discretely, this reduces the potential for nonconforming services discovered during final processes or after delivery. Instead, nonconformities and risks are identified in real time, by actions taken within each of the top-level processes. Evidence of Success In the month of Dec 2015 management had decided to start the activity of ISO 9001 certification. With the continuous efforts of all the HoD's, Faculties and Staff under the leadership of the Principal and Chief Executive Officer of the foundation, institute was Certified as an "ISO 9001:2015 Institute", in the month of Sept 2016. In the year Aug 2017 and Oct 2018 we successfully completed the certification Surveillance Audit with 1 and 2 minor findings only. Findings are verified by the Certification agency and agreed for the closure of these minor findings. Following were the results of such practice at the institute Increased community awareness and appreciation of education provided by the college Improved efficiency / work through standardize activities like successful implementation of Academic Diary, ERP implementation, Availability of various reports, Various Student Activities, etc. Better documentation of methods and responsibilities resulting in more consistent processes Fact based performance review through weekly meeting chaired by the Chief Executive Officer and Principal Involvement by the entire organization and a commitment to continual improvement More open lines of communication Development of quality mindset among the faculties Problems encountered and resource required Present Constraints for Implementation of QMS: ? Time constraint ? Frequent up-dations of the syllabus by university and parallel running of number of patterns of examination ? Limited number of Internal Auditors as per ISO 9001:2015

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
http://engg.ggsf.edu.in/naac_agar_2019_20_cr_07

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

Collaborating with industry for the development of faculty and students is the aim of GGSF's management. Taking this initiative, it is proposed that a "Centre of Excellence" should be established in GGSF Campus. The motto behind this Centre of excellence is to bridge the gap between industry and academic sector. With this initiative GGSF made the MOU with BOSCH SIEMENS on 10th August 2016 and 1st January 2017 respectively to fulfil the following objectives: 1. Prepare students for industry oriented learning through tailor made training

programs. 2. Knowledge sharing on Bosch and Siemens advanced automotive systems. 3. Advanced training modules for students in Bosch and Siemens Training Centres. 4. Help setting up the Automotive Service Solutions Lab. 5. Train the trainer for lab technicians. This Centre of Excellence in Collaboration with Bosch and Siemens have been established by GGSF as per the concept designed by Bosch and Siemens. It will act as a bridge to address the technological gap and focus on various technical training program for Bosch and Siemens network. Training of the Bosch has been given to the trainers proposed by institutes at Bosch training centre Bangalore. The training of the Siemens has been given to the trainers proposed by institute at GGSF campus by Siemen's trainers. After completion of training to trainers institute has inaugurated centre of excellence on 20th December 2017. There after institute conducts various training program for the students.

Provide the weblink of the institution
http://engg.ggsf.edu.in/naac_agar_2019_20_cr_07

8.Future Plans of Actions for Next Academic Year

1. To apply for NBA Accreditation for Mechanical UG programs 2. Revision Computer Engineering with intake of 60 3. Additional facilities for computer engineering laboratories 4. Establishing Robotics lab. 5. Establishing Mechatronics laboratory in the existing institute industry partnership centre 6. Continuous interaction between technical institution and industry through MoU 7. Planning and initiating activities so as to obtain grade "A" by NAAC in Second Cycle of accreditation 8. Participating in NIRF.