Internal Quality Assurance Cell (IQAC) and Submission of Annual Quality Assurance Report (AQAR) 2017-18 of Saraswati College of Engineering(SCOE), Kharghar, Navi Mumbai



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission P. O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, Bangalore - 560 072 India

NAAC

VISION

To make quality the defining element of higher education in India through a combination of self and external quality evaluation, promotion and sustenance initiatives.

MISSION

- To arrange for periodic assessment and accreditation of institutions of higher education or units thereof, or specific academic programmes or projects;
- *<* To stimulate the academic environment for promotion of quality of teaching-learning and research in higher education institutions;
- To encourage self-evaluation, accountability, autonomy and innovations in higher education;
- *« To undertake quality-related research studies, consultancy and training programmes, and*
- To collaborate with other stakeholders of higher education for quality evaluation, promotion and sustenance.

Value Framework

To promote the following core values among the HEIs of the country:

- > Contributing to National Development
- Fostering Global Competencies among Students
- Inculcating a Value System among Students
- Promoting the Use of Technology
- > Quest for Excellence

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The Annual Quality Assurance Report (AQAR) of the IQAC

(For Affiliated/Constituent Colleges)

Part – A

Data of the Institution

1. Name of the Institution	:Saraswati College of Engineering		
• Name of the Head of the institution	: Dr. Manjusha Pradip Deshmukh		
Designation	: Principal		
• Does the institution function from own can	npus: Yes		
• Phone no./Alternate phone no.	: 022-27743706		
• Mobile no	: 7738677011		
• Registered e-mail	: iqac.scoe@sce.edu.in		
• Alternate e-mail	: principal.scoe@gmail.com		
• Address	: Plot-46, Sector-5, Kharghar, Navi Mumbai		
City/Town	: Kharghar		
• State/UT	: Maharashtra		
• Pin Code	: 410210		
2. Institutional status:			
Affiliated / Constituent	: Affiliated		
• Type of Institution: Co-education/Men/Wo	men : Co-education		
• Location : Rural/Semi-urban/Urban	: Urban		
• Financial Status: Grants-in aid/ UGC 2f an	d		
12 (B)/ Self financing (please specify) :)	: Self financing		
• Name of the Affiliating University	: University of Mumbai		
• Name of the IQAC Co-Ordinator	: Dr. Sunil M. Rangari		
Phone no.	: 9594776192		

•	Alternate phone no.	: 7738677011
•	IQAC e-mail address	: iqac.scoe@sce.edu.in

• Alternate Email address : principal.scoe@gmail.com

3. Website address: <u>http://engineering.saraswatikharghar.edu.in</u>

Web-link of the AQAR: (Previous Academic Year): NA For ex. <u>http://www.ladykeanecollege.edu.in/AQAR2012-13.doc</u>

4. Whether Academic Calendar prepared during the year? **YES** Yes/No...., if yes, whether it is uploaded in the Institutional website: Weblink:

- i. For year 2017-18 (ODD SEM): <u>http://engineering.saraswatikharghar.edu.in/wp-</u> <u>content/uploads/sites/6/2018/12/academic_calender_2017_ODD_SEM.pdf</u>
 ii. For year 2018-19 (ODD SEM):
- http://engineering.saraswatikharghar.edu.in/wpcontent/uploads/sites/6/2018/12/academic-calender-2018-odd-sem.pdf
- iii. For year 2017-18 (EVEN SEM): <u>http://engineering.saraswatikharghar.edu.in/wp-</u> <u>content/uploads/sites/6/2018/12/academic_calender_2017_even_SEM.pdf</u>

5. Accreditation Details:

Cycle	Grade	CGPA	Year of	Validity Period
			Accreditation	
1 st	В	2.34	2017	From: 2 nd May-2017
				To: 1 st May-2022
2 nd				
3 rd				
4 th				
5 th				

6. Date of Establishment of IQAC: DD/MM/YYYY: 17/07/2015

7. Internal Quality Assurance System

7.1 Quality initiatives by IQAC during the year for promoting quality culture						
Item /Title of the quality initiative by Date & duration Number of						
IQAC		Participants/beneficiaries				
1. Participation in NIRF	4 th December 2017	01				
2. Academic Administrative	3 rd July 2017	250				
Audit (AAA) conducted and	9:00am to 5:00pm					
its follow up action						
3. Preparation for upgradation of	3 rd January 2018	01				
ISO certificate						

4.	Application for Various	02/01/2018	150
	awards and Rewards		
5.	Faculty development	2 nd Jan. to 6 th Jan. 2018	120
	programme on "Retrospection	9:00 am to 5:00pm	
	of Revised IS Codes (IS 1893:	-	
	Part I, IS 13920 and IS 383)		
	and Retrofitting".		
6.	"Training on PYTHON"	28 th June 17	43
	C C	9.00 am to 5.00 pm	
7.	"Pratidhwani- An Interaction	19 th January 2018	150
	of Alumnus with Students"	10:00am to 2:00pm	
8.	Workshop on Advance Python	7 th August 2018	34
	Under Institute Student	9.00 am to 5.00 pm	
	Companion Program by IIT		
	Bombay		
9.	CADTECH Competition	17 th Sept.2017	89
	I.	9.00 am to 5.00 pm	
10.	"Äutoinventia 2018" Students	24 th Oct. 2018	31 Groups of students
	Project Competition	9:00 am to 5:00pm	(Auto)

Note: Some Quality Assurance initiatives of the institution are: (Indicative list) Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback from all stakeholders collected, analysed and used for improvements Academic Administrative Audit (AAA) conducted and its follow up action Participation in NIRF ISO Certification NBA etc.

Any other Quality Audit

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

Institution/	Scheme	Funding	Year of award	Amount
Department/Faculty		agency	with duration	(Rs.)
i. SCOE/EXTC & Comp/	Major	BARC,	2017-2018	16,93,300
Dr. Manjusha Deshmukh &	Research	Mumbai		
Dr. Deepa Parashar	Grant			
ii. SCOE/MECH/Mr.Sachin	Minor	INAE, New	2017-2018	42,750
G. Solanke	Research	Delhi		
	Grant			

		1		r1
iii. SCOE/MECH/Dr. Fauzia	Minor	University of	2017-2018	30,000
Siddiqui & Mr.Sachin G.	Research	Mumbai		
Solanke	Grant			
iv. SCOE/EXTC/Mrs.	Minor	University of	2017-2018	25,000
Mandeep Kaur & Mr. Umesh	Research	Mumbai		
Pinjarkar	Grant			
v. SCOE/EXTC/Mrs.	Minor	University of	2017-2018	20,000
Rajashri Narwade &	Research	Mumbai		
Mrs.Sarita Kale	Grant			
vi.SCOE/CIVIL/Dr.Priyanka	Minor	University of	2017-2018	60,000
Jadhav	Research	Mumbai		
	Grant			
vii.SCOE/CIVIL/Mrs.	Minor	University of	2017-2018	20,000
Shweta Motharkar & Mrs.	Research	Mumbai		
Vaishali Kisan	Grant			
viii.SCOE/CIVIL/Mrs.	Minor	University of	2017-2018	20,000
Asmita Lakhote & Dr. Sunil	Research	Mumbai		
M. Rangari	Grant			

9. Whether composition of IQAC as per latest NAAC guidelines: Yes/No: YES *upload latest notification of formation of IQAC: Weblink: <u>http://engineering.saraswatikharghar.edu.in/wp-</u>

content/uploads/sites/6/2018/12/Composition-of-IQAC.pdf

10. No. of IQAC meetings held during the year: **02**

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website...... **YES**

Yes/No

Weblink: http://engineering.saraswatikharghar.edu.in/wp-

content/uploads/sites/6/2018/12/Minutes-of-Meeting-and-action-taken-report-New.pdf 11. Whether IQAC received funding from any of the funding agency to support its activities during the year? Yes/No: **NO** If yes, mention the amount:

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

- Increase the number of participation of students and faculty in various Conferences, Seminars, Symposiums, Workshops, Faculty Development Programs, training, research and extension activities to enhance the quality of teaching and learning.
- Developing creativity, social and environmental ethics among the students through exhibitions, group discussions, study tours. presentations (oral/ poster) in seminars and conferences for the Holistic Development of the students.

- Academic audit of faculty members through teaching plans, daily dairies and feedback from students and self-appraisal forms.
- iv. Through the activities of NSS and Cleanliness drives for enrichment of the ecoaesthetic concerns and to prevent the rate of environmental degradation through maintenance of campus discipline.
- v. Organization of on/ off campus recruitment drives through placement cell and established the Entrepreneurship cell to originate an idea in the students to be an Entrepreneur.
- 13. Plan of action chalked out by the IQAC in the beginning of the Academic year towards

Quality Enhancement and the outcome ac	
Plan of Action	Achievements/Outcomes
Improving the industry institute interaction	Interaction of students and industry
	expert initiate and lectures of experts
	from the industry were arranged.
Encourage students to participate in	National awards won by students in area
technical events	of E-Swaccha, E – Agriculture
Faculties are motivated to write research	Number of proposal submitted from the
proposal for funded project	departments for Funded project is
	increased. Submitted funded project
	sanctioned is also notable.
Motivating students to participate in	Students participated in various activities
National/International level curriculum and	at national and International level,
extra curriculum activities	National Level Kick Boxing
	Championship 2018, Bhartiya Chhatra
	Sansad, MIT Pune, Formula Student
	Italy, 2017 (18 th July to 22th July, 2017),
	Jamboree-5 by ISHRAE
Motivation to faculties and students to	Participation of students and faculties are
enroll for courses conducted by	found satisfactory
IIT/NPTEL	
Student mentoring	Every faculty is associated with
-	mentoring. Faculty members mentor the
	students and communicate the details to
	the parents
Software of Plagiarism	Purchased for scrutiny the papers
	submitted for the conferences to achieve
	the quality and originality of papers

Quality Enhancement and the outcome achieved by the end of the Academic year

14. Whether the AQAR was placed before statutory body? Yes /No: YES					
Name of the Statutory body: Date of meeting					
Management: LMC	Syndicate:	Any other body : NAAC			

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning?

Yes/No: YES

Date:

- 16. Whether institutional data submitted to AISHE: Yes/No: YES
Year: 2017-18Year:2017-18Date of Submission:20/02/2018
- 17. Does the Institution have Management Information System? YES Yes No

If yes, give a brief description and a list of modules currently operational. (Maximum 500 words)

Yes, Saraswati College of Engineering (SCOE), have an online data cum resource management software used to maintain student, staff and resource records for various academic and administrative purposes such as feedback about faculties, course exit, Programme exit, book transaction and online access to library resources.

A brief discussion of its usage with respect to the above points is given below:

- i. **Administrative procedures including finance:** includes student and staff profiles, fee management, accounting, issue of certificates (bonafide, transfer certificate, etc.).
- ii. **Student admission:** The college has complete transparency in its admission process. Selection of students is done purely on merit basis declared by DTE, Maharashtra and reservation policy as per the state Government is strictly followed. Counselling of the students and parents were undertaken before and during the processes of admission. Fee structure of the college is in tune with the Vision and Mission of the college, which is highly economical for all social and economic category of students.
- iii. **Student records:** apart from personal profiles, this includes student registration records, marks and grades, student progression data, progress reports, information, etc.
- iv. **Evaluation & Examination procedures:** Internal assessment examinations are being conducted transparently in the college. The regulations of the university about Internal Assessment is strictly followed. The Examination cell of the college convenes results in time as per the schedule of University. The entire gamut of activities from registration through results, including attendance and other data are captured and maintained with appropriate access levels to students, faculty, management, administrative personnel, parents, and other stakeholders. The wide range of extra-curricular and cocurricular activities is provided/conducted for students to get an exposure to number of Non-academic opportunities as well. Various committees are enthusiastically working in this regard. The Placement Cell takes the responsibility of maintaining the cordial relationships with various corporates and arranges recruitment drives for the students. And ensures that the maximum of the students is placed and the end

of the academic year. With respect to the Improvement in the teaching-learning process, the college collects the feedback and suggestions from the students and other concerned stakeholders and initiates the valuable one.

- v. **Research administration:** The college has a research committee. This committee encourages the faculties and students to take up research projects, participate in paper presentations, write a research proposal. It helps in increasing the number of publications by the faculty member. In the staff profile, there is a provision for faculty members to maintain records of research publications, conferences attended, research grants received, etc.
- vi. **Others:** E-learning module this provides an excellent suite of tools for the teaching-learning process, including the provision to set up question banks, conduct online exams, share teaching materials & resources, host discussion forums, conduct surveys & polls, generate course-related performance-reports, etc.

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 ISO certified under ISO 9001:2008. Being the affiliated institute, the institute implements the curriculum prescribed by University of Mumbai (MU). All Academic processes are well established and implemented. Institute has a structured academic plan. For effective implementation of the curriculum, the following process is developed and deployed as per the following documented process:

At the beginning of every academic year, the program objectives and outcomes are designed. Along with the same the course objectives and outcomes are defined. The academic calendar and activities are planned to define the time frame. The institution follows the academic calendar which is released before commencement of the semesters and is circulated to all departments. The College encourages its faculty members to participate in Orientation/ Refresher Courses/ Workshops/ Seminars organized by the University to update their knowledge and to improve the teaching practices. The college provides ample books and other teaching and reference materials like journals, magazines, teaching models and software to enable its teachers to ensure effective delivery of curriculum. Teachers are trained for modern techniques to be used in teaching. FDP's are arranged to upgrade knowledge of teachers in their areas.

Subject distribution is done w.r.t. the subject choice and expertise available in the faculty. Course files, including notes from reference books, text books are prepared and maintained by respective faculty members, for the effective delivery of the curriculum. Assignments and question banks are prepared to support the evaluation activity. As per the QMS, the objectives are defined for good academic success, Faculties prepare lecture plans. The observation of the lectures is done by regular monitoring through HOD, Academic Coordinator, Class Teachers, Academic Coordinating committee and Dean Academics. Lecture monitoring format is followed strictly by them.

Students' attendance and academic progress for individual course is continuously monitored through teaching plan along with continuous monitoring. The students are classified as slow learners and advance learners by proper observation or by conducting a test. This helps faculties to decide their strategy for personal attention to be provided to slow learners and advanced learners. Remedial lectures are arranged for failure students and academically weak student. Procter system helps for increasing the interaction in faculty and students for positive changes in performance of students. Interactive methods are used to make learning comfortable and interesting for students. Methods like PPT, NPTEL videos, role plays, demonstrations, models, and questioners are used for involving students into the studies. Seminars, group discussions are also used in that methods.

Teaching learning is well supported by state of art equipment and infrastructural learning facilities like Central Computing Facility with Internet connectivity, Classrooms, LCD projectors, Over Head Projector, Wi-Fi, Library, department student chapters, Language lab, separate department library etc. Regular conduction of Industrial visits to get industrial exposure for the students. Twice in a semester teacher's feedback is obtained from students and corrective measures are taken accordingly. Parents also give their feedback in PTM's which adds to more improvement in teaching and learning activity. Feedback from industry and alumni is given due importance in defining graduate attributes and design of course outcomes. Views of experts from industry, academia and alumni on curriculum are taken for improving teaching learning process and academics.

Name of the Certificate Course	Name of the Diplo ma Cours es	Date of introduction and duration	focus on employability/ entrepreneurship	Skill development
Bright Business Beginning (B Cube)	-	18/01/2018 to 20/01/2018 (9:30AM to 4:00PM)	Entrepreneurship	Different activities conducted regarding collaboration and communication in EN.

1.1.2 Certificate/ Diploma Courses introduced during the Academic year

	1		1		1	
E-Week	-	19/01/2018	Entrepreneurshi	р	Startup ideas and	
orientation (IIT			-	-	from where to get	
Bombay)					funding for start	
Domowy)					up	
Corporata		06/04/2018	Entrepreneurshi	n	Speakers from	
Corporate	-	00/04/2018	Entrepreneursin	p	*	
Chanakya		(0.20 AN (TED-Ex for	
		(9:30AM to			motivating the	
		4:00PM)			students	
Computer Dept	-	28/07/17	Yes		Yes	
Python						
IT DeptPython	-	22^{nd} - 24^{th}	focus on employ	ability	Programing	
Workshop		Aug. 2017	1 5	2	0 0	
······································						
IT deptVirtual	-	22 nd -23 rd Feb.	focus on employ	ability	Managing	
Reality		2018	io cuo en cinpio j	weility	different software	
Reality		2010			on same platform	
E&TC Dept		30th -31st	Focus on Emplo	wahility	Robotronics based	
Workshop on	-			yaomty		
		January 2017			programming	
Robotronics		21 / 1 2017		1 .1.4		
E&TC Dept	-	21st July 2017	Focus on Employ	yability	Solar system-based	
Workshop on					circuit design	
Solar System						
Design						
E&TC Dept	-	31st July to	Focus on Employ	yability	Arduino and	
Workshop on		2nd August			Raspberry	
Arduino and		2017			Programming	
Raspberry						
Programming						
E&TC DeptPCB	-	4th August	Focus on Emplo	yability	Circuit design	
Designing		2017			_	
Workshop						
E&TC DeptIOT	-	2nd & 3rd	Employability		IOT based	
workshop		February 2018	1 5 5		Programming	
1.2 Academic Flex	ibility				0 0	
	J					
1.2.1 New program	mes/cours	es introduced dur	ring the Academic	year		
Programme with	Date of	Introduction	Course with	Date of	Introduction	
Code		-	Code			
-	-		-	-		
1.2.2 Programmes i	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	UG	PG	Date of	UG	PG	
Programmes			implementatio		-	
adopting CBCS			n of CBCS /			
adopting CDCS			Elective			
			Course			
			System			
L			system			

10 th Jul. 2017
Jul.
2017
11 July Aug 2017
2017
10th
July 2017
2017
2017
AV 2016 17
n AY 2016-17
oduced during the year urses
uises
ills offered during the year
Number of students
enrolled
45
90
50
50
43
15
100
70
50
50
55
55

		<u>()</u>		
Farewell-2018	27-04-18	60		
IT department				
Nurture	29 th Jan.2018 – 1 st Feb. 2018	76		
Campus to Corporate	24 th July- 28 th July 2017	34		
Campus to Corporate	23 rd Jan31 st Jan. 2018	62		
E&TC Department		■		
Nurture	22 nd Jan.2018 – 26 th Jan. 2018	72		
Campus to Corporate	23 rd Jan31 st Jan. 2018	29		
Automobile Department				
Nurture	6/2/2017 to 10/2/2017	70		
Optistruct	24/2/2017	30		
Mechanical Department				
Nurture	19/9/16 to 7/10/16	150		
A Course on Personality Development	3/10/16 to 5/10/16	40		
Electronics for	22/01/2017	100		
photovoltaics for grid tied				
system				
. Expert Lecture on Future	10/10/2016	70		
of Mechanical Sector				
Expert Lecture on Project	27/07/2016	90		
Guidance				
Expert Lecture on New	22/07/2016	82		
Product Development &				
Project Execution in ME				
Industry				
FE Department				
Nurture- Skill development				
Program (Soft skill,				
Personality development.)				
SE Computer	05/02/2018 - 08/02/2018	72		
SE IT	31/01/2018 - 03/02/2018	76		
SE Mech I	12/03/2018 - 15/03/2018	75		
SE Mech II	12/02/2018 - 15/02/2018	71		
FE All branches	22/01/2018 - 22/03/2018	507		
1.3.2 Field Projects / Interns	ships under taken during the year			
Project/Programme Title	No. of students enrolled for Fiel			
Computer Dept.				
Internship	11			
IT Dept.				
Internship	8			
Industrial Project	3			
Automobile Department	34			

Internship	
EMU carshed, Kurla	05
Western Railway, Repair	03
Workshop. Parel	
Jsw works	01
BEST, EET TRAINING	02
Central railway loco	19
workshop, Parel	
DSA ELECTRO	01
CONTROLS	
Central railway loco	05
workshop, Parel	
Ritu Hyundai, Bhiwandi	02
Kalwa workshop,	01
kalwa(w)	
Best, Eet Training	01
Angel Auto wheels,	01
palghar	
Automotive Manufacturers	01
Pvt.Ltd, Nerul	
E&TC Dept	
Doordarshan	03
Dynalog India Ltd	01
Ashida electronics Pvt Ltd	04
Bharat Electronics Ltd	03
Navi Mumbai	
EGS Survey Pvt. Ltd	01
Sponsored Projects	0.4
IOT based weighbridge	04
(Sonhira Sahakari Sakhar	
Karkhana Sangli) 3-Wheeler commercial E-	04
3-Wheeler commercial E- vehicle	04
(Basanti Automobile Pvt.	
(Basanti Automobile Pvt. Ltd)	
Ardino Based Platform	03
Height Adaption For Train	05
(Indian railway S&T	
Branch of Mumbai	
Division)	
Water Cleaning Robot	04
(Saitronics Pvt. Ltd Karad)	
Civil Dept	
Internship /CIDCO	59
Internship/L & T	2
Internship/Data	1
Construction	

DevelopersInternship/BG Shirke3Internship/Central Railway5Internship/Sai World2Empire1Internship/Amrudh1Corporation2Internship/SMC Infra Pvt2Ltd1Internship/Speco1Infrastructure1Internship/Sundarland1Developers1Internship/Specoture1Internship/Specoture1Internship/Sundarland1Developers1Internship/Konark Nirman1Pvt. Ltd1Internship/Spectrum1Internship/Bhagwati Group3Internship/Paradise Group3Internship/Paradise Group2Internship/Pon Projects4Internship/J Kumar1Mechanical department1Productivity improvement4in luggage industry by4		
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LtdInternship/Speco1Infrastructure1Internship/Sundarland1Developers1Internship/Konark Nirman1Pvt. Ltd1Internship/Spectrum1Internship/Bhagwati Group3Internship/Paradise Group3Internship/Runwal Group2Internship/Pylon Projects4Internship/J Kumar1Mechanical department4Productivity improvement4in luggage industry by4	Internship/SMC Infra Pvt	2
InfrastructureInternship/Sundarland1Developers1Internship/Konark Nirman1Pvt. Ltd1Internship/Spectrum1Internship/Bhagwati Group3Internship/Paradise Group3Internship/Paradise Group2Internship/Runwal Group2Internship/Pylon Projects4Internship/J Kumar1Mechanical department4Productivity improvement in luggage industry by4		
InfrastructureInternship/Sundarland1Developers1Internship/Konark Nirman1Pvt. Ltd1Internship/Spectrum1Internship/Bhagwati Group3Internship/Paradise Group3Internship/Paradise Group2Internship/Puradise Group2Internship/Puradise Group4Internship/Puradise Group4Internship/J Kumar1Mechanical department4Productivity improvement4in luggage industry by4	Internship/Speco	1
DevelopersInternship/Konark NirmanPvt. LtdInternship/SpectrumInternship/Bhagwati Group3Internship/Paradise Group3Internship/Runwal Group2Internship/Pylon Projects4Internship/J Kumar1Mechanical departmentProductivity improvementin luggage industry by		
DevelopersInternship/Konark NirmanPvt. LtdInternship/SpectrumInternship/Bhagwati Group3Internship/Paradise Group3Internship/Runwal Group2Internship/Pylon Projects4Internship/J Kumar1Mechanical departmentProductivity improvementin luggage industry by	Internship/Sundarland	1
Internship/Konark Nirman1Pvt. Ltd1Internship/Spectrum1Internship/Bhagwati Group3Internship/Paradise Group3Internship/Runwal Group2Internship/Pylon Projects4Internship/J Kumar1Mechanical department4Productivity improvement4in luggage industry by4	*	
Pvt. LtdInternship/Spectrum1Internship/Bhagwati Group3Internship/Paradise Group3Internship/Runwal Group2Internship/Pylon Projects4Internship/J Kumar1Mechanical department4Productivity improvement4in luggage industry by4	•	1
Internship/Bhagwati Group3Internship/Paradise Group3Internship/Runwal Group2Internship/Pylon Projects4Internship/J Kumar1Mechanical department4Productivity improvement in luggage industry by4	*	
Internship/Bhagwati Group3Internship/Paradise Group3Internship/Runwal Group2Internship/Pylon Projects4Internship/J Kumar1Mechanical department4Productivity improvement4in luggage industry by4	Internship/Spectrum	1
Internship/Paradise Group3Internship/ Runwal Group2Internship/Pylon Projects4Internship/J Kumar1Mechanical department4Productivity improvement in luggage industry by4		3
Internship/ Runwal Group2Internship/Pylon Projects4Internship/J Kumar1Mechanical department4Productivity improvement4in luggage industry by4		3
Internship/Pylon Projects4Internship/J Kumar1Mechanical department1Productivity improvement4in luggage industry by4	· · ·	2
Internship/J Kumar1Mechanical department1Productivity improvement4in luggage industry by4	•	
Mechanical department Productivity improvement 4 in luggage industry by 4		1
Productivity improvement 4 in luggage industry by		
in luggage industry by	•	4
	v 1	
increasing the reliability of	increasing the reliability of	
bush material	6	
Increase in OEE of Lathe 4	Increase in OEE of Lathe	4
Machine TS670 X 1500		
using TPM	using TPM	
Study and development of 8	<u> </u>	8
eco-friendly toilet		
Designing Of 3-Wheeler 7	~	7
Electric Vehicle		

1.4 Feedback System						
1.4.1 Whether structured feedback received from all the stakeholders.						
1) Students2) Teachers3) Employers4) Alumni5) Parents						
Yes Yes Yes Yes Yes						
YesYesYesYes1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)						

Effective feedback has benefits for the giver, the receiver, and the wider organization. Here are five reasons why feedback is so important.

Feedback is always there Feedback is effective listening Feedback can motivate Feedback can improve performance Feedback is a tool for continued learning Continued learning is the key to improving

Institute has formulated a mechanism to obtain feedback from students and stakeholders, employers/industries and experts from academician.

- **Students**: Feedback for teaching and learning activity is taken twice a semester. It is an online system. The feedbacks are analyzed and conveyed to faculty members. If the feedback is less for any of the faculty member then he or she is made aware about the lacunas if any and guided by authorities for improvement. A student council is formed in the institute and they are a part of decision-making process in each program. Students' council members represent their program and conveys their academic issues to the head of the dept. And these are communicated to the university through senior faculty and taken into consideration at the time of syllabus revision
 - Alumni: Alumni meet is arranged in the institute every year and their views, suggestion are noted. Based on alumni student's suggestion various add on courses are organized in the dept. to meet the industry requirement and making our students employable
 - **Parents:** A Parents teacher meet is organized in each semester and issues related to the curriculum are discussed and their feedback is taken for improvement in teaching activity and facilities in the campus.
 - Employers/ Industries: Training and placement cell regularly interacts with the HR of various industries and their feedback is forwarded to the programs heads and corrective action and courses are design to make the student employable
 - Academician/ experts: The views expressed by the experts who visit the institute during STTP programs, conferences, add on courses, seminar, guest lecture on the current scenario and requirement of industry are also incorporated.

CRITERION II -TEACHING-LEARNING AND EVALUATION						
2.1 Student Enrolment and Profile						
2.1.1 Demand R	atio during the	e year				
Name of the	Number of	Number of applications	Students Enrolled			
Programme	seats	received				
	available					
Civil I(UG)	120	98	98			
Civil II(UG)	60	43	43			
Computer	60	59	59			
IT	60	47	47			
E&TC	120	74	74			
Auto Mobile	60	44	44			
Mech I	120	104	104			
shift(UG)						
Mech II	60	38	38			
shift(UG)						
Total	660	507	507			
ME -Civil	18	18	18			
Structural(PG)						
ME-Mech	18	07	07			
Manufacturing(
PG)						
Total	36	25	25			

2.2 Catering to Student Diversity2.2.1. 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 full- time teachers available in the institution teaching only UG courses	Number of full-time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
FE-2017-18 SE-2017-18	507 691				
TE-2017-18	528	25	173	06	03
BE-2017-18	704				

	2.3 Teaching - Learning Process						
2.3.1 Percentag	e of teachers u	using ICT for	effective teach	hing with Lear	ning Management		
Systems (LMS)), E-learning re	esources etc.	(current year c	lata)			
Number of							
teachers on	teachers	and	ICT	smart	techniques used		
roll	using ICT	resources	enabled	classrooms			
	(LMS, e-	available	classrooms				
	Resources)						
Mechanical	36	Yes	03	02	NPTEL, Smart		
Det36					Board		
FE Dept40	30	Yes	03	1	NPTL Lecture		
E&TC Dept	24	Yes	02	01	Video Lectures		
24					NPTEL videos		
Civil-36	36	Yes	03	01	NPTEL lectures		
					Video lectures		
					CPWD e manual		
					AUTOCAD		
IT Dept14	10	Yes	02	01	Video Lectures		
					NPTEL videos		
Computer	11	Yes	02	1	NPTEL n		
Dept17					YOUTUBE		
Automobile	9	Yes	1	1	E- Books		
Dept12					E- journals		
					Video Lectures		

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

Need Assessment:

Guidance and counselling are needed to help the students for optimum achievement and adequate adjustment in the varied life situations. Need analysis of the students in the colleges shows the need of guidance and counselling services, in the education, profession, vocation, social, health, moral and personal areas. Counselling is the service offered to the individual who is undergoing a problem and needs professional help to overcome it.

Counselling is an integral part of an over-all programme of guidance. This means the Counselling situation arises when a needy person is face to face with and expert who makes available his assistance to the needy individual to fulfil his needs.

The Counselling service in the college was introduced to meet the following needs of the students:

- 1. To help new students to get conversant with the college environment.
- 2. To help in the proper choices of courses.
- 3. To help the students in vocational development.
- 4. To minimize the mismatching between education and employment.
- 5. To identity and help students in need of special help.
- 6. To differently abled students who need special attention and opportunities.

- 7. To ensure the proper utilization of time spent outside the classrooms. **Counselling is also required when:**
- 1. The student requires not only reliable information but also an interesting introspection of those information which can solve his personal difficulties.
- 2. The student needs intelligent listener who has more experience than the pupil to whom he can recite his difficulties, and through which can seek suggestions for his working plan.
- 3. The student has some problem, but he is unaware of that problem and his development.

Some students lack a sense of direction, purpose and fulfilment and thus include in destructive activities which lead to social damage and loss. Adequate guidance and counselling facilities is the only answer to help and guide the youth to worthwhile channels and help them to realize the goals of optimum academic, personal and social development. Problems and needs in society are nothing new, but today they seen to be proliferating at unprecedented rate. The unique problems in the changing family, conflicts in values, attitudes and moral, the new criticism about politics, economic factors, the changing role of work, new pressure and demands in curriculum and the problems of the youth all points out the needs for the counselling services.

Different types of Counselling are:

- Guidance and career counselling.
- Mental health counselling.
- Educational Counselling.

At Saraswati College of Engineering we understand that the students want to gain as much from their time as possible, both academically and socially. The Counselling Service strives to ensure the welfare of the students by providing them emotional and academic assistance. By looking after their well-being, the Service tries to ensure that College is not just an institute, but a home away from home for them. The academic advice provision is a selfgoverning, free and personal service that is available to all students. We have a Mentoring (Proctor) system in which around twenty-five students are allocated to individual faculty, who are responsible for all accomplishments carried out by the student. Every semester two to three meetings are conducted by Proctor-in-charge to know and solve the difficulties of students, which are finally seen by Proctor of the department and communicated to the Head of the Department. The action taken report and improvements found in the students after counselling is communicated to the Principal through the Proctor Head of the Institute.

Benefits of Proctor System:

It was seen that through regular counselling and mentoring the following benefits were observed:

- 1 Students academic performance was improved.
- 2. Their confidence was enhanced.
- 3. Their communication skills were improved.
- 4. Behavioral changes were observed in students
- 5. Participation in Social, sports as well as in Technical event was increased.
- 6. Their concentration was increased.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
2430	179	1:14

2.4 Teacher Profile and Quality							
2.4.1 Number of full-time teachers appointed during the year							
No. of	No. of	Vacant	Positions	No. of faculty with Ph.D.			
sanctioned	filled	positions	filled				
positions	positions		during the				
			current year				
182	167	15	14	20			
	s and recognit		•				
				onal, International level from			
	recognized bod	0					
Year of	Name of full-		Designation	Name of the award, fellowship,			
award	teachers rece	•		received from Government or			
	from state lev			recognized bodies			
	level, interna						
2017-18	Dr. Manjusha	a Deshmukh	Principal	1.Award of "Best principal of			
			and	the year" by Computer society			
			Professor	of India ,at CSI Tech Next India			
				2018-Awards to academia ,on			
				February 10,2018			
				2. Received award of "Principal			
				of the Year-2017" by Institute			
				for exploring advances in			
				sciences & Engineering			
		11		(IEAE),in August 2017			
2017-18	Dr.Sanjay Jao	dhav	Professor	1.Award from chief minister of Maharashtra			
				2.Best TPO of the Year by CSI			
				3.100 Top Global Training and			
				Development Minds by World HRD Congress			
				4.Best TPO –Pool Campus by			
				ERUDITE			
				5.Career Guru- Young Achiever			
				by Aspiring Minds			
				by Aspiring Minus			

2017	Dr. Fauzia Siddiqui	Professor and HOD	CSI-HOD of the year 2017
2018	Prof. Alka Purohit	Asst. Prof.	Best faculty award by computer society of India

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 Semester/ year Date of declaration Programme Programme Last date of the of results of Name Code last semesterend/ year- end semester-end/ examination year- end examination FE Dept. FEC(101-106) Sem I(CBCGS) 30/12/17 17/02/18 FE FEC(201-206) Sem II(CBCGS) 20/12/17 03/03/18 FE FEC(101-106) Sem I(CBCGS) 11/06/18 19/07/18 FE FEC(201-206) Sem II(CBCGS) 12/06/18 19/07/18 E&TC 1st half (July2017-23rd February 2018 BE 30/12/2017 Dept. dec2017) 2nd half (Jan-2018-11th July 2018 June2018 12/06/2018 IT Dept. SE 1st half(Jan-2018-12/06/2018 17/07/2018 June2018) 2nd half(July2017dec2017) 30/12/2018 26/02/2018 Odd Semester 2017-18 Computer SE SE- III 26/12/2017 18/01/2018 Engineering TE Computer TE-V 14/12/2017 18/01/2018 Engineering BE Computer **BE-VII** 18/12/2017 23/02/2018 Engineering Even Semester 2017-18 SE Computer SE- IV 8/06/2018 19/07/2018 Engineering Computer TE TE-VI 11/06/2018 19/07/2018 Engineering Computer BE **BE-VIII** 25/05/2018 06/07/2018 Engineering Automobile AU IV/S.E 4-6-2018 24-7-2018 Engineering VI / T.E. 11-6-2018 24-7-2018

		VIII/ BE.	2-6-2018(Term End 21-4-2018)	1-8-2018		
		Odd Semester 201	7-18			
			1 10			
Mechanical	SE					
Engineering		SE- III	13/12/2017	25/01/2018		
Mechanical	ТЕ					
Engineering		TE-V	14/12/2017	25/01/2018		
Mechanical	BE					
Engineering		BE-VII	18/12/2017	08/03/2018		
	Even Semester 2017-18					
Mechanical	SE		0/06/2010	25/07/2010		
Engineering		SE- IV	8/06/2018	25/07/2018		
Mechanical	TE					
Engineering		TE-VI	11/06/2018	25/07/2018		
Mechanical	BE					
Engineering		BE-VIII	28/05/2018	26/07/2018		
2.5.2 Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)						
			nt hence they take	time to cope with		
	Students admitted are new to the college environment, hence they take time to cope with					
new syllabus. It is difficult to give extra time for the revision, so for testing the knowledge						

of the student's conduction of class test is useful.

Class Test also helps to determine whether students have learned what they were expected to learn or to level or degree of their understanding of the specific subject. Class test is an important tool that is used to measure learning progress and achievement, and to evaluate the effectiveness of relevant subjects. Tests may also measure student progress towards stated improvement goals.

Every test is for 10 marks for theory and for Practical exam. Division of marks is as follows: -

Attendance – 2 Marks

Performance - 5 Marks

Oral - 3 Marks

Through the test teacher can guess the knowledge level of students and their understanding on the relevant topic. Based on the Class test performance, the teacher can check the difficulty level of any topic and based on this, they can decide which topic, they must revise in the class. This also helps the students to improve their performance in final evaluation.

This class test helps in the better analysis of the students' grade and their performance, thus helping us to know and find the slow learner as well as the advance learner. Based on this test, Teachers can further work towards better performance of the students and their learning capabilities.

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

The Institution strongly believes in the concept of holistic education and strives to achieve its goal of preparing students to meet challenges that we face in 21st century. We believe it is important to provide education that focusses on the overall development of human personality guided by principal. We prepare our students not only for academic success but also to face challenges of their life. All department values continuous evaluation system and encourages the department to organize conferences seminars and workshops and guest lectures thus it creates opportunities to students and faculties to develop themselves professionally and to disseminate knowledge.

The first-year department has started its session with induction programme on 1st august 2017 where students get knowledge about the different courses and schedule for the entire semester, rules and regulations and various activities along with academic calendar. All the events in the semester were conducted according to the dates mentioned in academic calendar prepared by each department.

Regular meetings of academic forum, anti-ragging and student grievance cell were conducted according to the need.

Study group activities like technical event was organized in the month of August 2017, social activity was done in last week of august followed by feedback and first defaulter list in sept 2017.

Guest lecture was organized in the month of September 2017

Internal assessment was conducted on the dates mentioned in the calendar followed by PTM

All the activities like defaulter list, feedbacks from students, syllabus compliance, and second internal assessment along with term work submission with orals and practical's done according to the date mentioned in academic calendar similarly in even semester all activities are conducted according to the dates mentioned in academic calendar.

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

Weblink:

E & TC: <u>http://engineering.saraswatikharghar.edu.in/electronics-and-telecommunication-engineering/</u>

Computer Engg: <u>http://engineering.saraswatikharghar.edu.in/computer-engineering/</u> Civil Engg: <u>http://engineering.saraswatikharghar.edu.in/civil-engineering/</u>

IT Engg.: http://engineering.saraswatikharghar.edu.in/information-technology/

Mechanical Engg.: <u>http://engineering.saraswatikharghar.edu.in/mechanical-engineering/</u> Automobile Engg: <u>http://engineering.saraswatikharghar.edu.in/automobile-engineering/</u> FE Dent: <u>http://angineering.saraswatikharghar.edu.in/humanities.engineering.saraswatikharghar.edu.in/humanities.engineering.saraswatikharghar.edu.in/humanities.engineering.saraswatikharghar.edu.in/humanities.engineering/</u>

FE Dept: .: 1	http://engineerin	g.saraswatikhargl	nar.edu.in/human	ities-engineering	sciences/
-					

2.6.2 Pass percentage	e of students			
Programme Code	Programme Code	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage
Electronics and Telecommunication engineering	E & TC (BE)	114	111	97.36%
Mechanical BE (17-18) MAY 18	52407203 - 52408203	211	188	89.09
Mechanical BE(16-17) MAY 17	52407203 - 52408203	203	177	87.19
BE CIVIL (I shift)	Civil MAY 2017	137	121	88.32
IT Department	INFORMATION OF TECHNOLOGY ENGG	49	46	94%

Computer Dept.		71	63	88.73(VII)
Computer Dept.		71	68	96%(VIII)
Computer Dept.		71	67	94.3(Overall)
Automobile Dept.	Automobile	74	73	98.65

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

http://engineering.saraswatikharghar.edu.in/student-satisfactory-survey/

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION
3.1 Resource Mobilization for Research

			• •	
3.1.1 Research funds s	sanctioned and	received from va	arious agencies,	industry and other
organizations Nature of the Project	Duration	Duration	Total grant sanctioned	Amount received during the Academic year
Major projects BRNS	2017	2018	3022950	1693300
Minor Projects	•		•	
Civil Department				
Minor research grant of Mumbai Univer- sity: Development of iron based SMA Rein- forcement for evinc- ing performance and safety of civil Infra- structure	1 year	2017-18	60000	60000
Minor research grant of Mumbai Univer- sity: Self-Curing Con- crete	1 year	2017-18	20000	20000
Minor research grant of Mumbai Univer- sity: Design of Wa- ter Filter for Rural Area	1 year	2017-18	20000	20000
Mechanical Departm	ient	I		1
Minor Project- Theoretical and experimental investigation of notched specimen by fatigue testing jects	1year	2017-18	RS 30,000	Rs 30,000

Development of metal matrix	1 year	2017-18	Rs 42,950	Rs 42,950
composite with the help of Sic and				
graphene				
nanostructure. E&TC Department				
E&TC Department				
Minor Projects Development of PCB Boards Using CNC Machine (sanctioned by Mumbai University)	June 2017	April 2018	25000/-	25000/-
Online Handwritten script recognition using hidden markov model(HMM) (sanctioned by Mumbai University)	June 2017	April 2018	20000/-	20000/-
Interdisciplinary Pro	jects			<u> </u>
Interdisciplinary Projects-Computer Department	Supplier selection of manufacturing industry using ANN and GA	July 2017	April 2018	25000
Interdisciplinary Projects-Computer Department	Delamination effect of abrusive Water gel	July 2017	April 2018	25000
Interdisciplinary Projects - Mechanical Department	Design and fabrication of 3 wheeler	1 year	30000	30000
Interdisciplinary Projects (E & TC and Mechanical Dept.)	July2017	June 2018	1,00,000/-	70,000/-

3-Wheeler	
commercial E-	
vehicle	
(Basanti Automobile	
Pvt. Ltd)	
Industry sponsored July2017 June 2018 20,000/- 20,000/-	
Projects	
E&TC Department	
IOT based	
weighbridge	
(Sonhira Sahakari	
Sakhar Karkhana	
Sangli)	
3-Wheeler July2017 June 2018 1,00,000/-	
commercial E- 70,000/-	
vehicle	
(Basanti Automobile	
Pvt. Ltd)	
Arduino Based July2017 June 2018 19,000/- 19,000/-	
Platform Height	
Adaption For Train	
(Indian railway S&T	
Branch of Mumbai	
Division)	
Student Research May 2017 July 2017 25000	
Project -Computer	
Department	
Bluetooth based	
health Monitoring	
System	
Any other(Specify)	
Total	

3.2 Innovation Ecosystem

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(s)
AUTO INVENTIA 2018	AUTOMOBILE	24/10/2018

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

Title of the	Name of the	Awarding	Date of Award	Category
innovation	Awardee	Agency		
Civil Department				

Best Paper Award	Priyanka Jadhav and Suhail Ahmed Shaikh	Proceedings of 74th IRF International Conference,17 th June 2018, Pune, India. Pp(9-13).	17 th June	
IT Department				
Solar Powered Arduino Controlled Agribot	Rabeena Panda Ankit Parit Supriya Borule	A P Shah Institute of Technology	21-April-2018	Student
Automobile Dep	artment			
Zero degree turning forklift for warehouse	Jadhav Rahul Shinde Sanket Pujari Sagar Trailokya Rajendra	SCOE kharghar	4/4/2018	Student Avishkar Project Competition
GMB Hybrid	Sharma Vipul Mirkute Devendra Dhone Akshay Jadhav Pratik Babare Tejas More Anup	SCOE kharghar	4/4/2018	Student Avishkar Project Competition
E&TC Departm	ent			
A project titled "E-Swaccha"	Kunal Pawar Mitesh Patel Aniket More Abhishek Rane	Avishkar- Project competition by SCOE	04/04/2018	Students Project competition
A project titled "E – Agriculture"	Manish Shripuram Saili Sawant Minakshee Powar" ation center created	Avishkar- Project competition by SCOE	04/04/2018	Students Project competition

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

Incubation Centre Name	Name	Sponsored by
Sponsored by		

SCOE Innovators Club	Website Development http://wisdomcareereducation.org/	Wisdom Career Education
SCOE Innovators Club	Website Development http://www.seaeaglenavigators.com/	Seaeagle Navigators Private Limited.
SCOE Innovators Club	The website for Job Fair <u>http://ekajobfair.in/</u> The website for Events <u>http://ekaevents.in/</u>	Eka Training
Name of the Start-up	Nature of Start-up	Date of commencement
Engigenius	Home tutoring and classes	June, 2018
Marketinc.in	Digital Marketing agency	June, 2018
Growerskart	Online grocery store	March, 2018
Knowitplus.com	News Network on Trending Topics	Feb, 2018
Technobyte Solutions	Web designing and Development, Business hosting	August, 2017
Nikhil Arts	Manufacturing Trophies, Medals, designing, printing, Banners, Posters and visiting cards	September, 2017

3.3 Research Publications and Awards

3.3.1 Incentive to the teachers who receive recognition/awards

The institute follows a unique point based incentive scheme to reward the research work carried out by faculty in the respective year. This is a one of its kind scheme initiated with the patronage of our Executive Director and serves as an effective motivation for faculty, to undertake research in their chosen areas of interest

State	National International							
01	02	03						
3.3.2 Ph. Ds awarded during the year <i>(applicable for PG College, Research</i>								
Center)								
-Not Applicable								
Name of the DepartmentNo. of Ph. Ds Awarded								
3.3.3 Research Publications in the Journals notified on UGC website during the								
year								

	Department		No. of Publicatio n	Average Factor, if			
National	Civil Depart	ment	13	2.6			
International	Department and humanit	of Sciences	15	.5	.5		
International		Department	10	3.3			
International	Computer D	epartment	4	3.5	3.5		
International	Mechanical Department 26 1.68					•	
3.3.4 Books and	Chapters in e	dited Volumes /	Books publis	shed, and p	apers in		
National/Interna	tional Conference	ence Proceeding	s per Teacher	during the	e year		
Department				No. of pu	No. of publication		
Mechanical-Dep	artment			03			
Civil Departmen	it			13			
IT Department				02			
Automobile Department				08			
E&TC department				05			
3.3.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index							
Title of the paper	Name of the author	Title of the journal	Year of publicatio n	Citation Index	Institutiona l affiliation as mentioned in the publication	Number of citations excluding self- citations	
IT Department		IDDD	0016				
Study on web DDOS attacks detection using multinomial classifier	Prof. Vaishali Jadhav	IEEE ICCICR	2016	2	Mumbai University	2	

E&TC Departn	nent					
Omnidirec- tional and Di- rectional Frac- tal Uwb Mono- pole Antenna	Sheetal Bukkawar		2017	1	Assistant Professor	1
A Survey of Image registration	Manjusha Deshmukh	International Journal of Image Processing	2011	97	Principal	97
Image fusion and image Quality assessment of fused image	Manjusha Deshmukh	International Journal of Image Processing	2010	71	Principal	71
Digital Image Watermaking In DCT Domain	Manjusha Deshmukh	International Journal of Emerging Technology and Advanced ISSN	2013	5	Principal	5
Iris Recognition a Review	Manjusha Deshmukh Pallavi Kharat	International Journal of Advanced Trends in Computer Science and Engineering	2013	5	Principal	5
Comparative Study of Image registration methods	Manjusha Deshmukh	International Journal of Image Processing	2014	4	Principal	4
Defending Against Attacks in MANETs Using Cooperative Bait Detection Approach	Manjusha Deshmukh	Cooperative Bait detection scheme (CBDS) To avoid the Collaborative Attacks	2014	4	Principal	4
Multimodal Image Registration	Manjusha Deshmukh	International Journal of Advanced Research in	2014	2	Principal	2

Using Contour let transform	Maningha	Computer and Communicati on	2011		Dringing	
Wavelet transform based image registration and image fusion	Manjusha Deshmukh	Information Technology and Mobile communicati on	2011	2	Principal	2
Video Compression Using H 264- A Review	Manjusha Deshmukh	International Journal of Advanced Trends in Computer Science and Engineering	2011	2	Principal	2
To Explore Radon, Transform for image Registration and Image Fusion	Manjusha Deshmukh	International Journal of Emerging Technologies and Applications in Engg	2010	1	Principal	1
DGS based mi- crostrip phase shifters	Sheetal Bhujade	Sensing Technology (ICST), 2012 Sixth International Conference on, 723-728	2012	07	Assistant Professor	07
Design and evaluation of high gain microstrip patch antenna using double layer with air gap	Sheetal Bhujade	International Journal on Recent and Innovation Trends in Computing and	2015	05	Assistant Professor	05
Efficient high gain circularly polarized microstrip antenna using	Sheetal Bhujade,	Microwave, Optical and Communicati on Engineering	2015	01	Assistant Professor	01

asymmetrical RIS surface		(ICMOCE), 2015							
	Computer Department								
Seeded region growing	Deepa Parasar	IEEE XPLORE	2015	02	Associate Professor	2			
segmentation	i arasar	AI LORL			110103501				
on ultrasound									
image using									
particle swarm optimization									
Reversible	Deepa	IEEE	2015	01	Associate	1			
color	Parasar	XPLORE			Professor				
transmission of compressed									
fragment-									
visible mosaic									
image									
Notice of Retraction	Deepa Parasar	IEEE VDLODE	2015	01	Associate Professor	1			
Ultrasound	Parasar	XPLORE			Professor				
image									
enhancement									
using improved									
Fixed Point									
Independent Component									
Analysis									
Content based	Prof. Sujata	International	2013	05	Associate	5			
Medical Image Retrieval with	Bhairnallyk ar	Journal of Applied			Professor				
SVM	ui	Information							
Classification and Relevance		Systems (IJAIS) –							
Feedback		ISSN : 2249- 0868							
		0000							

Multifactor Authentication Using Android Mobile	Prof. Rina Bora	International Journal of Computer Applications (0975 – 8887)	2015	01	Associate Professor	1
Automobile Dep			0015	4		
Lubricating oil analysis-A re- view	Sagar Khatavkar	International Journal on Recent Tech- nologies in Mechanical and Electri- cal	2015	1	Assistant professor	1
Ultrasonic cavitation induced degradation of Congo red in aqueous solution	P.D.Ingle	Chemichal engineering research bulletin	2010	16	Associate professor	16
An overview of clearance optimization in sheet metal blanking	T.Z. Quazi	International journal of emerging technologies	2012	17	Associate professor	17
A case study of taguchi method in the optimization of turning parameters	T.Z. Quazi	International journal of emerging technologies	2013	16	Associate professor	16
An overview of factors	T.Z. Quazi	International journal of	2013	11	Associate professor	11

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oblique load using pseudo- dynamic approach Estimation of	S M	Geotechnical	2013	02	Associate	2
estimation of seismic uplift capacity of horizontal strip anchors using pseudo- dynamic approach	Rangari	Engineering (KSCE Journal of Civil)	2015	02	Professor	2
Effects of pullout direction and anchor inclination on computation of pseudo-static uplift capacity for strip anchors in sand	S M Rangari	Disaster Advances	2012	1	Associate Professor	1
Pseudo-Static Uplift Capacity of Obliquely Loaded Horizontal Strip Anchor in Cohesionless Soil	Sunil M. Rangari	Geo Congress 2012: State of the Art and Practice in Geotechnical Engineering	June 20,2012	1	Associate Professor	1
Pseudo-Static Uplift Capacity of Horizontal Strip Anchors	Sunil M. Rangari	Geo Frontiers 2011	2011	1	Associate Professor	1

Effect of replacement of natural sand by manufactured sand on the properties of cement mortar	Priyanka A. Jadhav	Civil &Structural Engineering	2013	1	Associate Professor	11
An experimental investigation on the properties of concrete containing manufactured sand	Priyanka A. Jadhav	Advanced Engineering Technology	2012	11	Associate Professor	11
Free and forced vibration control of piezoelectric FGM plate subjected to electro- mechanical loading	Priyanka A. Jadhav	Smart materials and structures	2013	8	Associate Professor	8
Buckling of piezoelectric functionally graded plate subjected to electro- mechanical loading	Priyanka A. Jadhav	Smart materials and structures	27July 2012	3	Associate Professor	3
Stability Analysis of Piezoelectric FGM Plate Subjected to	Priyanka Jadhav	Applied Science &Engineerin g	2013	2	Associate Professor	2

Electro-						
mechanical						
Loading Using						
Finite Element						
Method						
Fatigue H	P. A.	Creep,	2016	1	Associate	1
damage J	Jadhav	fatigue and			Professor	
assessment		creep-fatigue				
under multi-		interaction				
		Interaction				
axial						
nonproportiona						
1 cyclic loading						
Mechanical Depa	rtment					
Optimization I	Pradeep	International	2013	10	Assistant	1
	Deshmukh,	Journal of	2015	10	Professor	1
- C	MB Sorte	Recent			110105501	
using Taguchi	Solic	Technology				
method for		and				
submerged arc		Engineering				
welding on		Lingineering				
spiral pipes						
	Madan	International	2014	4	Assistant	1
		Journal of	2014	4	Professor	1
For	Jagtap	Scientific &			110105501	
Surveillance		Technology				
Survemance		Research				
Microturbine: N	Madan	International	2011	4	Assistant	1
	Jagtap	Journal of	2011	4	Professor	1
efficient Power	Jagtap	Scientific &			FIOLESSOL	
Generation		Technology				
Ontiniation	A	Research	2015	10	A	2
1	Arshad	International	2015	10	Assistant	2
e	Qureshi,	Journal of			Professor	
1	Madhukar	Scientific &				
	Sorte	Engineering				
roughness in		Research				
CNC turning						
of P20 steel	.	15.11	1 • •			
3.3.6 h-index of th	e Institutiona	al Publications of	luring the yea	ar. (based o	on Scopus/	
Web of science)			·			
	Name of	Title of the	Year of	h-index	Number of	Institution
paper t	the author	journal	publicatio		citations	al
			n		excluding	affiliation
1	1					

					self- citations	mentioned in the publicatio n
Automobile Dep		T : 1 0		1 7 1		.
Title of the paper	Name of the author	Title of Journal	Year of publicatio n	h-Index	Number of citation including self- citation	Institution al affiliation mentioned in publicatio ns
Lubricating oil analysis-A re- view	Sagar Khatavkar	International Journal on Recent Tech- nologies in Mechanical and Electri- cal	2015	1	1	Assistant professor
Ultrasonic cavitation induced degradation of Congo red in aqueous solution	P.D.Ingle	Chemichal engineering research bulletin	2010	2	16	Associate professor
An overview of clearance optimization in sheet metal blanking	T.Z. Quazi	International journal of emerging technologies	2012	5	17	Associate professor
A case study of taguchi method in the optimization of turning parameters	T.Z. Quazi	International journal of emerging technologies	2013	5	16	Associate professor

An overview of factors affecting in metal blanking	T.Z. Quazi	International journal of emerging technologies	2013	5	11	Associate professor
An overview of the methodologies used in the optimization processes in the sheet metal blanking	T.Z. Quazi	International journal of mechanics and robotics	2013	5	9	Associate professor
Optimization of turning parameters such as speed rete, feed rate, depth of cut for surface roughness by taguchi method	T.Z. Quazi	Asian journal for engineering and technology innovation	2014	5	6	Associate professor
Modal analysis of truch chassis frame	C. Vishnudas	IJSER	2017	1	1	Assistant professor
Mechanical dep	artment					
Optimization of Cutting parameters for Surface roughness in CNC turning of P20 steel	Arshad Qureshi, Madhukar Sorte	International Journal of Scientific & Engineering Research	2015	2	2	Associate professor
Optimization of welding parameters using Taguchi method for submerged arc	Pradeep Deshmukh, MB Sorte	International Journal of Recent Technology and Engineering	2013	2	6	Associate professor

1.1:						
welding on						
spiral pipes	M- 1	Testan	2015	1	2	A == 1 ± 1
Plate Type Electrostatic	Madan	International	2015	1	2	Associate
	Jagtap	Journal On				professor
Precipitator		Recent				
Essentials &		Technologies				
Issues For		In				
Optimizing		Mechanical				
Overall		And				
Efficiency		Electrical				
		Engineering				
E&TC Departn	nent					
	Sheetal	IEEE	2017	1	1	Assistant
Omnidirec-	Bukkawar	Explorer	2017	1	1	Professor
tional And Di-	Durrawai	Explorer				110105501
rectional Frac-						
tal Uwb Mono-						
pole Antenna						
A Survey of	Manjusha	International	2011	4	97	Principal
Image	Deshmukh	Journal of				
registration		Image				
C		Processing				
Image fusion	Manjusha	International	2010	4	71	Principal
and image	Deshmukh	Journal of				-
Quality		Image				
assessment of		Processing				
fused image						
Digital Image	Manjusha	International	2013	4	5	Principal
Watermaking	5	Journal of	2013	T	5	1 merpar
In DCT	Deshmukh	Emerging				
Domain		Technology				
		and				
		Advanced				
		ISSN				
Iris	Manjusha	International	2013	4	5	Principal
Recognition a	Deshmukh	Journal of	_015			1 morpui
Review	Desimitukii	Advanced				
		Trends in				
		Computer				
		Science and				
		Engineering				
Comparative	Manjusha	International	2014	4	4	Principal
Study of Image	Deshmukh	Journal of			.	1 morpui
registration	Desimilukii	Image				
methods		Processing				
	l	1100000000000	1	1	1	

Defending Against Attacks in MANETs Using Cooperative Bait Detection Approach	Manjusha Deshmukh	Cooperative Bait detection scheme (CBDS) To avoid the Collaborative Attacks	2014	4	4	Principal
Multimodal Image Registration Using Contour let transform	Manjusha Deshmukh	International Journal of Advanced Research in Computer and Communicati on	2014	4	2	Principal
Wavelet transform based image registration and image fusion	Manjusha Deshmukh	Information Technology and Mobile communicati on	2011	4	2	Principal
Video Compression Using H 264- A Review	Manjusha Deshmukh	International Journal of Advanced Trends in Computer Science and Engineering	2011	4	2	Principal
To Explore Radon, Transform for image Registration and Image Fusion	Manjusha Deshmukh	International Journal of Emerging Technologies 4and Applications in Engg	2010	4	1	Principal
Multisensory Image Fusion Techniques and Evaluation of Fused Image	Manjusha Deshmukh	International Journal of Computer Science and Software Engineering	2009	4	1	Principal
To Explore Radon, Transform for image Registration	Manjusha Deshmukh	International Journal of Image Processing	2011	4	1	Principal

1 T						
and Image						
Fusion	~ ~ ~					
DGS based mi-	Sheetal	Sensing	2012	02	07	Assistant
crostrip phase	Bhujade	Technology				Professor
shifters		(ICST), 2012				
		Sixth				
		International				
		Conference				
		on, 723-728				
Design and	Sheetal	International	2015	02	07	Assistant
evaluation of	Bhujade	Journal on				Professor
high gain	Dhujauc	Recent and				
microstrip		Innovation				
patch antenna		Trends in				
using double		Computing				
layer with air		and				
gap						
Efficient high	Sheetal	Microwave,	2015	02	01	Assistant
gain circularly	Bhujade,	Optical and	2010		01	Professor
polarized	Difujade,	Communicati				110105501
microstrip		on				
antenna using		Engineering				
asymmetrical		(ICMOCE),				
RIS surface		2015				
Design and	Sheetal	2017	2017	02	_	Assistant
analysis of	Bhujade	International	2017	02		Professor
monopole	Bilujaue	Conference				110103501
antenna for		on Intelligent				
single and		Sustainable				
multiband		Systems				
applications		(ICISS				
Design and	Sheetal	2017 Interna-	2017	02	-	Assistant
optimization of	Bhujade	tional Con-				Professor
microstrip	Diajado	ference on				
patch and		Inventive				
monopole		Computing				
antenna with		and Infor-				
Defected		matics				
Ground		(ICICI				
Structure						
(DGS)						
Computor Dong	rtmont					
Computer Department						

Seeded region growing segmentation on ultrasound image using particle swarm optimization	Deepa Parasar	IEEE XPLORE	2015	02	5	Associate professor
Automatic Wi- Fi based Push Notification in College Campus using Cloud	Prof. Rina Bora	International Journal of Computer Applications (0975 – 8887)	2014	01	3	Assistant professor
Content based Medical Image Retrieval with SVM Civil Engineeri	Prof. Sujata Bhairnallyk ar	International Journal of Applied Information Systems (IJAIS) – ISSN : 2249- 0868	2013	01	5	Assistant professor
Computations of Seismic Passive Resistance and Uplift Capacity of Horizontal Strip Anchors in Sand	S M Rangari	Geotechnical &Geological Engineering	2013	4	3	Associate professor
Seismic uplift capacity of shallow horizontal strip anchor under oblique load using pseudo- dynamic approach	S M Rangari	Soils and Foundations	2013	4	4	Associate professor

Estimation of seismic uplift capacity of horizontal strip anchors using pseudo- dynamic approach	S M Rangari	Geotechnical Engineering (KSCE Journal of Civil)	2013	4	2	Associate professor
Effects of pullout direction and anchor inclination on computation of pseudo-static uplift capacity for strip anchors in sand	S M Rangari	Disaster Advances	2012	4	1	Associate professor
Pseudo-Static Uplift Capacity of Obliquely Loaded Horizontal Strip Anchor in Cohesionless Soil	Sunil M. Rangari	Geo Congress 2012: State of the Art and Practice in Geotechnical Engineering	June 20,2012	4	1	Associate professor
Pseudo-Static Uplift Capacity of Horizontal Strip Anchor	Sunil Rangari	Geo Frontiers 2011	2011	4	1	Associate professor
Effect of replacement of natural sand by manufactured sand on the properties of cement mortar	Priyanka A. Jadhav	Civil &Structural Engineering	2013	5	19	Associate professor

An experimental investigation on the properties of concrete containing manufactured sand	Priyanka A. Jadhav	Advanced Engineering Technology	2012	5	11	Associate professor
Free and forced vibration control of piezoelectric FGM plate subjected to electro- mechanical loading	Priyanka A. Jadhav	Smart materials and structures	2013	5	8	Associate professor
Buckling of piezoelectric functionally graded plate subjected to electro- mechanical loading	Priyanka A. Jadhav	Smart materials and structures	27July 2012	5	3	Associate professor
Stability Analysis of Piezoelectric FGM Plate Subjected to Electro- mechanical Loading Using Finite Element Method	Priyanka Jadhav	Applied Science &Engineerin g	2013	5	2	Associate professor
Fatigue damage assessment under multi- axial on proportional cyclic loading	P. A. Jadhav	Creep, fatigue and creep-fatigue interaction	2016	5	1	Associate professor

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	E&TC Dept04 FE Dept15 IT Dept07 Computer Dept Seminar-12	E&TC Dept08 FE Dept01 Civil Dept01 Computer Dept workshop-1, STTP- 04	Computer Dept Seminar-12	Civil Dept22
Presented papers	E&TC Dept06 FE Dept05 Computer Dept Journals-03	E&TC Dept01		
Resource Persons				Civil Dept01 Computer Dept Worshop-01

3.4 Extension Activities

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

Title of the Activities	Organizing unit/ agency/ collaborating agency	Number of teachers coordinated such activities	Number of students participated in such activity
Civil Department Construction Of Ferrocement Tank In Borimalpada, Khalapur	NSS	5	20
Automobile department			
Women empowerment	Young inspirator network	1	300
Seminar on civil services	Young inspirator network	1	350

TT .1 1		T 7 •	• .	4		200
Youth exodus		Young insp network	birator	1		300
Yin sanvad		Young insp network	pirator	1		280
Yin talk		Young insp network	birator	1		450
3.4.2 Awards and recognized bodies			for extension	activitie	es from Gove	rnment and other
Name of the Activ	vity	Award/reco	ognition	Awaro	ding bodies	No. of Students benefited
Clean and green c	ampus	Top 91		AICT	E	All
award						
Swachha Bharat		Swachhata	Doot	Panvel Muncipal		ALL
Abhiyaan				Corporation		
Construction of w	ater	Special appreciation		Palghar Muncipal		100(NSS)
tank in Shirsonpac	da and			Corporation		
installation of Sol	ar					
Pumps ,Kasar,Nas	sik					
Issue, etc. during	nisations the year					nisations, Non- s Awareness, Gender
Automobile Depa Swachh Bharat		inconirctor	Taloja gumen	r	1	5
Swacnn Bharat	networ		nspirator Taloja survey		1	5
Social awareness	Young networ	inspirator Youth exodus		5	1	300
Gender issue	Young	inspirator k	Women empowermen		1	300

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			

BRNS Project (Objective Assessment of Autonomic Nervous System using Artificial Neural Network)	Dr. Manjusha Deshmukh Co-PI- Dr. Deepa Parasar	Deshmukh year 2 Co-PI- Dr. Deepa		ctioned for 8- Rs. 1693300	2017-18
Civil dept research on concrete	Riya J. Athanikar		ACC Cemen	t	July 2017- May 2018
Civil dept RESEARCH ON CONCRETE	Karthik Mohan Nain	r	ACC Cement		July 2017- May 2018
	vith institutions/industrie	es for	internship, on	-the-job training	g, project work, sharing
of research facili Nature of linkage	ities etc. during the year Title of the linkage	par inst ind /res wit	me of the tnering titution/ ustry search lab h contact ails	Duration (From-To)	participant
Civil Departmen	nt	uei	alls		
Internship	Raft foundation roof slab	CII	DCO	18/6/18- 7/7/18	57
Internship	Green building	L 8	¢Τ	15/6/18- 7/7/18	2
Internship	Light weight concrete	Dat Cor	ta nstruction	13/6/18 – 8/7/18	1
Internship	Pervious concrete	Kasmas Developers		13/6/18 – 8/7/18	1
Internship	Column jacketing	BG Shirke		15/6/18 b- 7/7/18	3
Internship	Concrete sleeper	Cei	ntral Railway	15/6/18 b- 7/7/18	5
Internship	QSEV and understanding RCC layout		World	22/6/18- 8/7/18	2

	1		1	
Internship	GIS	Amrudh	22/6/18-	1
		Corporation	8/7/18	
Internship	Pavement	SMC Infra Pvt	18/6/18-	2
memsinp	1 avennent	Ltd	6/7/18	2
		Lu	0/ // 10	
Internship	Alternate materials	Speco	20/6/18 -	1
_		Infrastrucutre	8/7/18	
Internship	Light weight concrete	Sundarland	20/6/18 -	1
		Developers	5/7/18	
Internship	Roof slab	Konark Nirman	20/6/18-	1
internoinp		Pvt. Ltd	5/7/18	1
			5///10	
Project work	GIS	Spectrum	1/8/18-	1
			31/3/19	
T / 1 *	0 1 1	D 10	22/6/10	2
Internship	Cracks and repair methods	Runwal Group	22/6/18-	2
	methous		8/7/18	
Internship	QSEV and	Pylon Projects	22/6/18-	3
···· r	understanding RCC	<i>y</i> -	8/7/18	-
	layout			
Project work	GIS and	J Kumar	1/8/18-	1
	hydrogeological study		31/3/19	
IT Department	-			
Internship	Extraction of the	Technical	June 15 th	Anjal Afghan
p	geometrical	University of	2017	
	characteristics of the	Sophia,		
	impact craters located	Bulgaria	July 30 th 2017	
	on Mars	2 4184114		
Internship	Web development	Dezignolics	June 20 2018	Neha Barhate
	using		July 25 2018	Shraddha Patil
	HTML,CSS,Bootstrap		July 25 2018	Sinaduna Patii
				Nutan Patil
				Aishwarya
				Devrukhkar
				Shamali Dawarung
Internship	Web Developer	Qleverlabs	February	Ketan Shivaji Desai
L. L.	L. L.	Technologies	2018-ongoing	5
		Ũ		

Internship	Web Development using PHP,MySQL,HTML	Centrail Railway	20 June-2017 To 5 July 2017	Rabeena Panda Apurva Nayak
Internship	Data analysis using dashboard	Tor Vergata University Roma, Itely	18 June 2018 to 30 July 2018	Samrutti Patil
Internship	Networking & database management	JNPT	23 June 2017 to 07 July 2017	Archana Patil
Internship	Networking	Javaharlal Nehru,Port Trust, Uran 400702	8 June 2018 to 22 June 2018	Ketan Tandel
Automobile D	epartment			
Internship	Maintenance of Railway	Western Railway , Repair Workshop. Parel	25-09-2017 to 24-10-2017	Anirudha Thorat Tahikar nihal Siddesh pawaskar
Internship	Manufacturing of steel sheets and rods	Jsw works	16-12-2017 to 16-01-2018	Omkar p patil
Internship	Repair and maintenance of locomotives	Central railway loco workshop, Parel	15-12-2017 TO 30-12- 2017	Ganesh bhujbal
Internship	Repair and maintenance of locomotives	Central railway loco workshop, Parel	18-12-2018 to 07-01-2018	Tejas Budke Harshad Prabhu Abhishek Shete Omkar Thorat Ajit kudekar Vinayak mugurdekar Sumit kulkarni Jha soham Sunny gupta Vignesh sonawane

				Alankar kadam
Internship	Control system engineering	DSA ELECTRO CONTROLS	18-12-2018 to 07-01-2018	Gavit Dinesh
Internship	Production of automobile spare parts	Automomtive Manufacturers Pvt.Ltd, Nerul	05-02-2018 to 5-05-2018	Nikhil abraham
Internship	Repair and maintenance of locomotives	Central railway loco workshop, Parel	20-06-2018 to 8-07-2018	Satish baikar Vipul yamgar Ajit kudekar Abhishek shete Tejas budke Harshad prabhu Vikas wankhade
Internship	Bus maintenance and transport management	BEST, EET TRAINING	12-06-2018 TO 8-07-2018	Krishna kashid Mayor kashid
Internship	Automobile sales and service	RITU HYUNDAI, BHIWANDI	12-06-2018 TO 8-17-2018	Himanshu Thakkar
Internship	fabrication	Kalwa workshop, kalwa(w)	25-06-2018 TO 7-07-2018	Ganesh bhujbal
Internship	Bus maintenance and transport management	BEST, EET TRAINING	25-06-2018 TO 14-07- 2018	SAHIL ANSARI
Internship	Automobile tires and wheels	Angel Auto wheels, palghar	13-06-2018 to 08-07-2018	Dinesh Gavit
Internship	Production of automobile spare parts	Automomtive Manufacturers Pvt.Ltd, Nerul	12-06-2018 to 08-07-2018	Aniket Jaltare
Internship	Repair and maintenance of electric locomotives	EMU car shed , Kurla	18-09-2017 to 24-09-2017	Dhananjay Kamble Jayessh Malekar Kunal Koli Amol Pawar Akash Chavan

E&TC Depar	tment						
Internship	Communicati Engineering	on				07/2018 to 07/2018	Vinay R. Revankar Ramshilochan Pal Namit Singh
Internship	Microprocess Microcontrol applications		Dynalog In Ltd	ndia	27/0 8/7/	5/18 to /18	Poorti Kulkarni
Internship	Analog Communicati	on	Ashida electronics Ltd	s Pvt	18/0 5/7/	5/18 to /18	Deepak Dharve
Internship	Analog and E Communicati		Bharat Electronic Navi Mum		15/0 3/7/	5/18 to /18	Nitesh Mhatre Siddhant Patil Vivek Patil
Internship	Antenna desi	gning	EGS Surve Pvt. Ltd	ey	25/0 5/7/	6/18 to /18	Prathamesh Mhatre
Mechanical D	epartment						
Internship	Compulsory Internship as	works	ngineering	17/6/2	017	8/7/2017	AGARHARI INDRAJIT
	per Syllabus of Mumbai University	C.R. Loc Worksho BARC			/06/2017 8/7/2017 /06/2017 8/7/2017		ANAP RUSHIKESH BAIS ANKITA K
		C.R. Wo Matunga	▲ ·	16/06/		30/6/2017	BOBADE AVINASH A
		MSRTC	-	11/7/2	017	9/8/2017	CHAUHAN POOJA S CHAVAN
		RC & F Chembu JSW ST	r	20/6/2	017	5/7/2017	PRIYANKA S
		(SALAV LIMITE	″)	19/6/2	017	24/6/2017	CHERU SHUBHAM D
		MSRTC	, Thane	28/6/2	017	6/7/2017	CHOUDHARY DINESH N
			abicrators	22/6/2	017	22/07/2017	, CHOUGULE ABHISHEK DHAWALE
		C.R. Wo Matunga C.R. Loc	L L	1/7/20		15/7/2017	KALPESH K DHURYE
		Workshop, Parel Malhar		23/06/		8/7/2017	AKSHAY G DOLTADE
		Engineer C.R. Wo	-	1/7/20 1/7/20		15/7/2017 15/7/2017	ANKUS GADE AMOL S
		Matunga Gaura Fi	abicrators	22/6/2		22/07/2017	, GADGE
		C.R. Loc Worksho	20	28/06/			HRUSHIKESH S GAWALE SAKET V

Page 56

JNPT, Uran	20/6/2017	19/07/2017	GAWDE SHUBHAM H
JNPT, Uran	20/6/2017	19/07/2017	GHADIGAONKAR SANKET
JNPT, Uran	20/6/2017	19/07/2017	GHARTI PRAKASH P
JNPT, Uran	20/6/2017	19/07/2017	GHULE SAMARTH N
JNPT, Uran	20/6/2017	19/07/2017	GOLE SWAPNIL N
JNPT, Uran	20/6/2017	19/07/2017	HANDE VRUSHABH S
JNPT, Uran	20/6/2017	19/07/2017	JADHAV AKSHAY S
C.R. Loco Workshop, Parel	28/06/2017	12/7/2017	JADHAV PRASAD A
Gaura Frabicrators	22/6/2017	22/07/2017	KADAM NIKHIL N
MSRTC, Thane	28/6/2017	6/7/2017	KAKADE KULDIP S
C.R. Workshop, Matunga	1/7/2017	15/7/2017	KAKAR MAHESH
MSRTC, Thane	28/6/2017	6/7/2017	KAMBLE PRAVIN A
C.R. Loco Workshop, Parel	23/06/2017	8/7/2017	KAMBLE RAHUL P
RC & F Ltd, Chembur	20/6/2017	5/7/2017	KAMBLE VIDEET
C.R. Loco Workshop, Parel	30/06/2017	12/7/2017	KAMBLI MRUGEN N
CADI (LTCOE)	27/06/2017	4/7/2017	KARMARKAR NIKHIL J
C.R. Loco Workshop, Parel	23/06/2017	8/7/2017	KHOLGADGE SATYAM M
MSRTC, Thane	28/6/2017	6/7/2017	KONDULE SANTOSH S
C.R. Workshop, Matunga	1/7/2017	15/7/2017	KURHADE ANKUSH A
Gaura Frabicrators	22/6/2017	22/07/2017	LADE ROHIT
MSRTC, Thane	28/6/2017	6/7/2017	LUTE AAKASH S
C.R. Loco Workshop, Parel	23/06/2017		MANE GANESH M
C.R. Loco Workshop, Parel	23/06/2017	8/7/2017	MEHTA MUKESH D
C.R. Workshop, Matunga	1/7/2017	15/7/2017	MESTRY AJINKYA A

Ambiance		00/07/0015	MHASKAR
Engineering	22/6/2017	22/07/2017	OMKAR S
JNPT, Uran	20/6/2017	19/07/2017	PALSHETKAR PRAVESH S
H.M Engineering	3/7/2017	11/7/2017	PANDIT ADITI
MKD & R Committee	1/2/2017	1/4/2017	GAJARE DURGESH A.
C.R. Workshop, Matunga	2/1/2017	16/1/2017	NITIN BAMBALE
C.R. Loco Workshop, Parel	16/06/2017	6/7/2017	CHOUGULE SHRADDHA
C.R. Workshop, Matunga	1/7/2017	15/7/2017	MANDHARE ABHISHEK
C.R. Loco Workshop, Parel	16/06/2017	31/6/2017	MORE AKASH S
C.R. Loco Workshop, Parel	16/06/2017	31/6/2017	MORE RAHUL C
C.R. Loco Workshop, Parel	16/06/2017	31/6/2017	MOTE VIVEKKUMAR B
Indian Railway, kalyan	3/7/2017	8/7/2017	NADAR BALAJI S
CEAT Ltd , Bhandup	17/7/2017	28/7/2017	NARAYANKAR JAIDEEP
L&T Heavy Engineering	26/6/2017	19/7/2017	NIMBALE MAHADEV S
C.R. Workshop, Matunga	16/6/2017	30/6/2017	PADALE AKASH P
RC & F Ltd, Chembur	1/7/2017	15/7/2017	PADWAL PANKAJ S
C.R. Workshop, Matunga	16/6/2017	30/6/2017	PANDIRE SANKET S
C.R. Workshop, Matunga	19/6/2017	30/6/2017	PANSARE SHEKHAR B
Savita Oil Technology	15/6/2017	2/7/2017	PARAB RUDRAKSH P
C.R. Loco Workshop, Parel	16/06/2017	31/6/2017	PATIL DEEPAK V
C.R. Loco Workshop, Parel	16/06/2017	31/6/2017	PATIL HITESH H
MSRTC, Thane	2/1/2017	9/1/2017	PATIL PRANIT A
C.R. Workshop, Matunga	1/7/2017	15/7/2017	PATIL PRATIK S
MSRTC, Thane	2/1/2017	9/1/2017	PATIL ROHAN G
Karkas Frabrication	20/6/2017	8/7/2017	PATIL VIGHNESH V
Divine Services, Koparkhairane	16/06/2017	30/6/2017	PAVANE RANJIT B

Savita Oil Technology	15/6/2017	2/7/2017	PAWAR SAURABH S
C.R. Workshop,	15/6/2017	30/6/2017	PHADTARE ADITYA T
Matunga C.R. Workshop,	16/6/2017	30/6/2017	RAJPUT SACHIN
Matunga C.R. Workshop,	1/7/2017	15/7/2017	M RASAL GAYATRI
Matunga C.R. Loco	19/06/2017		S RATHOD
Workshop, Parel C.R. Loco			MAHESH S SABLE SANKESH
Workshop, Parel	15/06/2017	30/6/2017	S
Matunga	3/7/2017	8/7/2017	SAHANI AVINASH R
C.R. Loco Workshop, Parel	15/06/2017	30/6/2017	SALUNKE PRAJWAL S
C.R. Workshop, Matunga	16/6/2017	30/6/2017	SANAP PANKAJ S
C.R. Workshop, Matunga	1/7/2017	15/7/2017	SAPKALE DEEPAK D
C.R. Workshop,	1/7/2017	15/7/2017	SASTE TUSHAR
Matunga C.R. Workshop,	3/7/2017	8/7/2017	V SATPUTE
L&T Heavy	15/6/2017	15/7/2017	TUKARAM M SAWANT
Engineering C.R. Workshop,	3/7/2017	8/7/2017	SHUBHAM H SHAIKH
Matunga	3/ //2017	8///201/	MOHAMMAD
MSRTC, Thane	1/7/2017	9/7/2017	SHINDE PRATIKSHA N
C.R. Workshop, Matunga	15/1/2017	31/1/2017	SHIRKE ANURAG V
C.R. Workshop, Matunga	3/7/2017	8/7/2017	SHUKLA KRISHNA N
C.R. Workshop, Matunga	1/7/2017	15/7/2017	SINGH VINAYAK A.
C.R. Loco Workshop, Parel	15/06/2017	30/6/2017	SOLSE ROSHAN J
C.R. Workshop, Matunga	16/6/2017	30/6/2017	SONAWANE AKSHAY K
C.R. Workshop, Matunga	16/6/2017	30/6/2017	SONAWANE ANJALI H
C.R. Loco Workshop, Parel	15/06/2017	30/6/2017	SULE RAHUL P
C.R. Loco Workshop, Parel	19/06/2017	25/6/2017	SURYAWANSHI DIVYESH
Industrial Boiler	20/6/2017	8/7/2017	TAMBE NIKHIL P
	ıl		

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Wartsila India Ltd	23/6/2017	8/7/2017	TAMBE SANKET D
C.R. Loco Workshop, Parel	15/06/2017	30/6/2017	TEMGHARE SURAJ D
C.R. Workshop, Matunga	16/6/2017	30/6/2017	THOKALE PRAFUL S
C.R. Workshop, Matunga	16/6/2017	30/6/2017	TOPALE SAGAR D
C.R. Workshop, Matunga	1/7/2017	15/7/2017	TULE VICKY
MSRTC, Thane	1/7/2017	10/7/2017	VIBHUTE SWATI Y
MSRTC, Thane	2/1/2017	9/1/2017	WABLE AKASH U
C.R. Workshop, Matunga	1/7/2017	15/7/2017	PARDESHI
CEAT Ltd , Bhandup	17/7/2017	28/7/2017	NIKHIL
Deepak Fertilizer	19/6/2017	3/7/2017	AGIVALE PRASAD S
CEAT Ltd , Bhandup	14/6/2017	28/7/2017	ANSARI SHAMSHAD
Kamal Hyundai	20/6/2017	19/07/2017	BAGDE NITESH S
Mazgaon Dock	15/06/2017	30/6/2017	BANGAR RAHUL V
C.R. Workshop, Matunga	21/6/2017	8/7/2017	BERDE SAIRAJ S
C.R. Workshop, Matunga	20/12/2016		BHINGARDEVE VINAYAK
JNPT, Uran	15/06/2017	14/7/2017	BONDE SEJAL
Bobmay Dyeing	16/6/2017	30/6/2017	CHAVAN SANDEEP S
C.R. Loco Workshop, Parel	21/06/2017	8/7/2017	CHAVAN VAIBHAV C
Deepak Fertilizer	19/6/2017	3/7/2017	DINKAR SACHIN A
Automotive Manufacturers	15/06/2017	8/7/2017	DUBEY SHAILES M
Deepak Fertilizer	19/6/2017	3/7/2017	GAONKAR SHIVRAM
C.R. Workshop, Matunga	20/12/2016	3/1/2017	HALDIVE ANAND G
Sainath Engineering Works	19/6/2017	8/7/2017	JADHAV KIRAN V
G3 Motors Ltd	21/6/2017	8/7/2017	KADAM DEEPAK K
Mazgaon Dock	15/06/2017	30/6/2017	KADU ANIKET A

Sainath Engineering Works	19/6/2017	8/7/2017	KAKADE HRISHIKESH
C.R. Workshop, Matunga	20/12/2016	3/1/2017	KAMBLE PRASHANT
C.R. Workshop, Matunga	20/12/2016	3/1/2017	KAMBLE TUSHAR S
Ninad Engineering Works	15/06/2017	30/6/2017	KARANDIKAR MUKUL
Excel Industries Ltd	15/06/2017	30/6/2017	KASBALE SANMAY
Kamal Hyundai	20/6/2017	19/07/2017	KHARPADE PRAYAG P
ION Excahnge Ltd	26/6/2017	15/07/2017	KUMAR ASHISH A
CEAT Ltd , Bhandup	14/6/2017	28/7/2017	MADHAVI NITIN
Deepak Fertilizer	19/6/2017	3/7/2017	MANE PRATHMESH P
Shinevel Industries	10/6/2017	26/7/2017	MAURYA SHYAM H
C.R. Workshop, Matunga	20/12/2016	3/1/2017	MEHETRE AAVIRAJ B
Automotive Manufacturers	15/06/2017	8/7/2017	MISHRA ASHUTOSH
C.R. Workshop, Matunga	20/12/2016	3/1/2017	NANIWADEKAR CHINMAY
C.R. Workshop, Matunga	22/12/2016	3/1/2017	NIKAM VINAY B
C.R. Workshop, Matunga	20/12/2016	3/1/2017	PARDESHI SAGAR S
Automotive Manufacturers	15/06/2017	8/7/2017	PATIL ROHAN V
C.R. Workshop, Matunga	16/6/2017	30/6/2017	POOJARY ABHISHEK S
Ninad Engineering Works	15/06/2017	30/6/2017	SHAH PARTH C
Sainath Engineering Works	19/6/2017	8/7/2017	SHAIKH MUSTAQ AHMED
Automotive Manufacturers	15/06/2017	8/7/2017	SHINDE SHUBHAM V
Deepak Fertilizer	19/6/2017	3/7/2017	SHIRKE MAYURESH S
Deepak Fertilizer	19/6/2017	3/7/2017	WADATE ROHIT P
Sainath Engineering Works	19/6/2017	8/7/2017	YADAV PRAVIN M
Computer Department			

Internship	GNUKhata	Digital Freedom	1 sept 2017	06
memsnip	Givervilla	Foundation	till finished	00
Internship	Doctor Daily Dairy	Technojack	5 Nov 2017 to	04
P	_ = = = = = = = = = = = = = = = = = = =	Infosolution	4 th Jan 2018	
		Giftrack	1 July 2017 to	01
Internship		Technologies	(Project	
1		e	Completion	
On Job	E commerce	Zepo	5 March 2018	01
Training			10 Aug 2018	
3.5.3 MoUs sign	ned with institutions of n	ational, internationa	al importance, ot	her universities,
industries, corpo	orate houses etc. during t	he year		
Organisation	Date of MoU signed	Purpose and	Number of stuc	
		Activities	participated un	der MoUs
FE Department			1	T
B. N	July 2016	Research and	10	
Bandodkar		academic		
college of		guidance		
science.Thane	1 1 0 01 <i>C</i>	D 1 1	10	
CKT College	July 2016	Research and	10	
of		academic		
Science, Panvel	4	guidance		
Civil Departme		Skill	180 Students	20 faculties
CAAD centre	10 May 2016 To 9		180 Students	20 faculties
training	May 2019	Development		
services		Training		
IT Department				
IT Department S B Infotech,	03/03/2016 To	Seminar	35	
Jalgaon	05/05/2010 10	Semmar	55	
Jaigaon	28/02/2021			
CMS IT	01/03/2016	Faculty	13	
services Pvt.		Development		
Ltd.	To 28/02/2021	Program		
		E .		
Mechanical De		1	1	
ISHRAE	13/01/2018	Activities and	50 students	
(Mumbai		expert talk	and 2	
Chapter)			faculties	
E&TC departn				
Saitronics the	01/08/2017	Activity:	32 students	02 teachers
universal		Technical		
solutions.		workshop on		
		"Arduino		
		Programming"		
		Purpose: To make students		
		make students		

			-	
Copper track	26/7/17	learnt Arduino programming by developing various applications which will be beneficial for developing the projects Activity:	35 students	03 teachers
Industry, Nashik		Industrial Visit Purpose: To bridge the gap between theoretical training and practical learning in a real-life environment.		
Computer Dep	artment	·	•	
H.R. Software Solution, Jalgaon	1 Dec 2015	To bridge the gap between academic and industry	20	02
CMS IT Services, Kharghar	2 May 2016	To bridge the gap between academic and industry	25	01
E-Incarnation Recycling Pvt. Ltd.	14-02-2017	E Waste Collected From College	20	02

CRITERION IV – II RESOURCES	NFRASTRUCTURE A	ND	LEARNING		
4.1 Physical Facilities					
	cluding salary for infrastruct	ure a	ugmentation during the		
year	6		5 5		
Particulars	Budget allocated for		Budget utilized for		
	infrastructure augmentation	l I	infrastructure development		
	_				
Fixed Asset Block @ 100%					
infrastructure	90000	0.00	820104.00		
Furniture & Fixture -	100000	0.00	850832.00		
College					
Computer	50000	0.00	474320.00		
Computer Software	160000	0.00	1507696.00		
Air-Condition (Split)	100000.00		89000.00		
Electrical Installation	300000.00		201654.00		
Total	440000	0.00	3943606.00		
4 1 2 Details of augmentat	ion in infrastructure facilities	: duri	ng the year		
Facilities	Existing		ewly added		
Campus area	2.25 acres		-		
Class rooms	38		-		
Laboratories	58		-		
Seminar Halls	6		-		
Classrooms with LCD facilities	7		-		
Classrooms with Wi-Fi/ LAN	10		5		
Seminar halls with ICT facilities	7		-		
Video Centre	0		1		
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	6		-		

Value of the equipment purchased during the year (Rs. in Lakhs)	33,93,142/-	15,07,696
Others		

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 Version Year of automation automation (fully or partially) Biyane Technologies Library Fully 2015-2016 Management Systems. 4.2.1 Library Services: Newly added (2017-18) Existing Total No. Value No. Value No. Value 68449.00 Text Books 21511 5314799 115 21633 5246350 Reference 4927 1587340 57 33345.00 4977 1553995 Books e-Books 105 (2017-Journals 98 (2016-2158862 254675.00 105 254675.00 17) 18) Journals 106 (2018-266775.00 106 266775.00 19) e-Journals Digital Database CD& Video 1880 Library YES automation Weeding (Hard NIL NIL 42 9326.00 42 9326.00 & Soft) Others (specify)

4.3 IT I	nfrastructu	re							
4.3.1 Te	chnology Uj	pgradation	(overall)						
	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available band width (MGBPS)	Others

Existing	710	24	Yes	1	1	1	6	100	
Added	20	01	Yes	-	-	-	-	-	
Total	730	25	Yes	1	1	1	6	100	

4.3.2 Bandwidth available of internet connection in the Institution (Leased line) : 100 MBPS

4.3.3 Facility for e-content

Name of the e-content development facilityProvide the link of the videos and media centre
and recording facility

https://www.youtube.com/channel/UCM14Iw97mnCoNZCI8knb5Uw/featured

4.3.4 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	Name of the module	Platform	Date of
teacher		on which	Launching
		module is	E-Content
		developed	
Prof. Rajashri	Single Phase AC circuits	LMS	Sep-2017
Narwade			•
Prof. Neha	Optical Sources	LMS	Sep-2017
Mahajan			-
Prof. Sheetal	Root Locus (Control System)	LMS	Sep-2017
Bhujade			_
Prof. Sheetal	Basics of analog Communication	LMS	Sep-2017
Bhujade			_
Prof. Megha	Cellular Concepts- Mobile Communication	LMS	Sep-2017
Pande			
Prof. Mandeep	Transformers	LMS	Sep-2017
Kundhal			1
Prof. Mandeep	Simplification of Boolean expressions using K-	LMS	Sep-2017
Kundhal	Мар		•
Prof. Bhoomi	Dictionary Coding	LMS	Sep-2017
Patil			1
Prof. Vijay	Random Signal Analysis	LMS	Sep-2017
Kapure			1
Prof. Sheetal	Fundamental concepts of Antennas	LMS	Sep-2017
Bukkawar	1		1
Prof. Sheetal	Smith Chart	LMS	Sep-2017
Bukkawar			

Prof. Pallavi Kharat	Error Control system- Digital Communication	LMS	Sep-2017
Prof. Sarita Kale	Successive Approximation ADC	LMS	Sep-2017
Prof. Sarita Kale	IC 555 timer	LMS	Sep-2017
Prof. Snehal Barge	Microcontroller and Applications - timers	LMS	Sep-2017
Prof. Snehal Barge	Link state Routing	LMS	Sep-2017
Prof. Umesh Pinjarkar	Network Security	LMS	Sep-2017
Prof. Umesh Pinjarkar	Cryptography	LMS	Sep-2017
Prof. Sneha Burnase	Semiconductor Memories	LMS	Sep-2017
Prof. Sneha Burnase	Stick diagram and layout design- VLSI	LMS	Sep-2017
Prof. Vaishali Jadhav	OSI Model in computer network	LMS	Sep-2017
Prof. Anuradha	Design of asynchronous counter using JK filpflop	LMS	Sep-2017
Dandwate	Data Compression Techniques	LMS	Sep-2017
Prof. Pragati Pejlekar	Data Preprocessing in Database management system	LMS	Sep-2017
Prof. Vrushali Thakur	Single Server Queue in Simulation & modeling	LMS	Sep-2017
Thurran	Order level in Simulation & modeling	LMS	Sep-2017
Prof. Shraddha Subhedar	Process management in operating system	LMS	Sep-2017
	Process scheduling algorithms	LMS	Sep-2017
Prof. Praveen Shinde	Project networking diagrams	LMS	Sep-2017
Silling	Boundary value analysis	LMS	Sep-2017
Prof. Kirti Mahamunkar	Agile Process in software engineering	LMS	Sep-2017
wanamunkar	Software configuration management	LMS	Sep-2017

Prof. Ragini	Polygon clipping in computer graphics	LMS	Sep-2017
Sharma			
	Bresenham's Line Drawing Algorithm	LMS	Sep-2017
Prof. Rashmi	Intelligent Storage System	LMS	Sep-2017
Choudhary			
Computer Dept.			<u> </u>
Dr. Bharti Joshi	IP addressing	LMS	10/07/17
Dr. Sanjay Jadhav	Artificial Intelligence	LMS	18/07/17
Deepa Parasar	Non-Preemptive Scheduling Algorithm	LMS	28/02/17
Deepa Parasar	Scheduling Algorithm	LMS	15/01/18
Madhuri Dalal	Image Compression	LMS	16/08/17
Arti Gore	Hamming Code	LMS	13/09/17
Arti Gore	Mobile IP	LMS	25/01/18
Sujata Bhairnallykar	Basic Cryptography	LMS	10/08/17
Monali Deshmukh	Fuzzy Set	LMS	06/10/17
Dhanraj Walunj	Constructor	LMS	20/09/17
Rina Bora	Hasse Diagram	LMS	10/08/17
Hemalata Gosavi	Pointers in C	LMS	16/01/18
Amit Gawade	Class Diagram	LMS	18/08/17
Amit Gawade	Introduction to Database	LMS	28/02/18
FE Dept.		<u> </u>	1
Prof. Rekha Jawale	 Interference in thin film Wedge shaped film Miller indices Ultrasonic Piezoelectric Method Fringe width Newton's ring 	LMS	Sep-2017

Dr. Suhas Sabnis	 Crystallography Diamond Structure Na Cl Structure Interference due to reflected light Interference due to transmitted light Wedge shaped film Newton's Rings 	LMS	Sep-2017
Dr.Bhadane P.A.	 Quantum Mechanics Schrodinger wave equation HCP unit cell Single slit diffraction Double slit diffraction 	LMS	Sep-2017
Dr. Sindhu Tayade	 Introduction to fuels Zeolite Method Liquid fuels Cracking of fuel Analysis of coal 	LMS	Sep-2017
Dr. Deepika Patil	 Introduction to polymer Types and synthesis of polymer Cracking and mining of petroleum Analysis of coal Refining of petroleum 	LMS	Sep-2017
Prof. Swapna Mamidwar	 Numerical on Combustion of fuel Ion exchange method Knocking Corrosion EDTA method Numerical on Combustion of Gaseous fuel 	LMS	Sep-2017
Dr. Sayali D. Choudhari	 Homogeneous function Euler's theorem Non- Homogeneous linear equation Double integration - 1 Double integration - 2 	LMS	Sep-2017
Dr. S.V. Lathkar	 Application & matrix coding & decoding Differential equation Higher order D.E. 	LMS	Sep-2017
Prof. Farah Vanu	 Complex Variable Complex Integration Second order derivative of function Fourier serious Eigen values & Eigen vector 	LMS	Sep-2017

Prof. Harshada	1. Rank of a Matrix	LMS	Sep-2017
Pratham	 Solution of Matrix Vector differential operator 		
Prof. Prashant	1. Fourier series – Even- Odd function	LMS	Sep-2017
Gawade	2. System of linear equation		
Prof. Reshma Chavan	1. Successive differentiation	LMS	Sep-2017
Dr. Ram Bhise	1. Channels of communication	LMS	Sep-2017
Dr. Rolly Sinha	 Time Management – A Challenge Developing effective communication skills 		Sep-2017
Prof. Suman	1. Modes of Communication	LMS	Sep-2017
Sharma	2. Channels of communication	LIVIS	Sep-2017
Siluina	3. Methods of communication		
	4. Speaking is silver – listening is golden		
Civil Department			
Dr. Sunil Rangari	Design of floor systems, DDRCS	LMS	Sep-2017
Pooja Somani	Boundary Layer theory, FM	LMS	Sep-2017
Dr Suman Rawat	Dam Site selection, EG	LMS	Sep-2017
Molly Mathew	CPM Network	LMS	Sep-2017
Sujaya Wadekar	Properties of fresh concrete, CT	LMS	Sep-2017
Harshal Deshpande	Tension Members	LMS	Sep-2017
D.M Joshi	Unsymmetrical Bending	LMS	Sep-2017
Automobile Depa	rtment		
Chetan Thakur	Module1(I.C. Engine- Air Standard Cycles)	LMS	31/1/2017
Sagar Khatavkar	Module 2(TOM II – Velocity of Mechanism)	LMS	30/1/2017
Amit Patil	Module 1(Mechanical Vibration- Newtons, Rayleighs, Energy Method)	LMS	31/1/2017

Chodankar Vishnudas	Module1(Heat Transfer- Conduction)	LMS	30/01/17
	Module5(Heat Transfer-Bolilng)		28/11/17
	Module5(Heat Transfer-Forced Convection Boling)		
Mohd. Bargir	Module6(CAD/CAM/CAE-Part Programming)	LMS	28/11/17
	Module3(CAD/CAM/CAE-Canned Cycle)		30/01/17
Lalit Bhoye	Module 3(Autotronics-P-chart)	LMS	28/11/17
Mandar Jagtap	Module4(Engineering Drawing-Projection of solids)	LMS	24/01/17
Bhavana Patel	Module 2(Chassis- Chassis and body Engineering)	LMS	09/10/16
	Module 3(Formality factor Chassis and body Engineering)		
	Module 2(Punching- Production Process III)		
	Module 2(Sheet metal Forming- Production Process III)		
	Module 2(Stamping- Production Process III)	_	
	Module 6(Welding- Production Process I)	-	
	Module4(Uslab-Autotronics)	LMS	
Namarata Bhokare	Module 5(CAMD)	LMS	23/01/17
Mechanical Depa	rtment		
Prof. Madhukar Sorte	Module 5 Transportation-I PPC	LMS	30/1/2017
Prof. Chanewar Nilesh	Module 2 Types of Failure -Analysis	LMS	5/2/2017
	Module 2 Types of Pattern, Role of Pattarn	1	

Prof. Jagtap Madan M.	Module 3RAC - Air Refrigeration Cycle - I	LMS	17/2/2017
	Module 4 RAC - Air Refrigeration Cycle - II		
Prof. Ganesh Jadhav	Module 1 Properties of fluid	LMS	3/3/2017
	Module 2 Buoyancy and Stable Condition		
	Module 2 Fluid Mechanics for static stability	-	
	Module 3 Hydrostatic force on Body	_	
Prof. Sandeep Jadhav	Module 1 Dealembert's Principle	LMS	4/4/2017
	Module 2Work Energy Principle	-	
	Module 4Support Reactions in Beam	-	
	Module 2Steady flow Energy Equation	_	
Prof. Prasanna Raut	Module 2 Weak form and non-weak form	LMS	8/4/2017
	Module 3 Principle of minimum potential energy	-	
Prof . Paramjit Thakur	Module 2 HT- Unsteady state	LMS	12/4/2017
	Module 2HT- Critical thickness of insulation	_	
	Module 1HT- Basics of conduction convection and radiation	-	
Prof.Mitali Mhatre	Module 1Design of gauges (plug gauge)	LMS	20/4/2017
	Module 2 Design of gauges theory	_	
Prof Yogesh Dumal	Module PPE –Introduction to ppe	LMS	25/4/2017
	Module 5PPE - WORKING AT HPP	1	
Prof. Sachin Solanke	Module 1 SOM - Stress	LMS	30/4/2017
	Module 3PP II - Metalcutting	1	

	Module 4 PP II - Metalcutting (merchant's Circle)		
Prof. Dinesh Pargunde	Module 1 Metal Casting	LMS	4/5/2017
	Module 2Welding	LMS	
Prof. Mugdha Dongre	Module 3 FEA - one dimensional Analysis	LMS	30/3/2017

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

Particulars	Assigned	Expenditure	Assigned	Expenditure
T articulars	budget on	incurred on	budget on	incurred on
	academic	maintenance	physical	maintenance
	facilities	of academic	facilities	of physical
		facilities		facilities
Repairs & Maintainance-Vehicle	30000.00	259407.00		
-				
Repairs & Maintainance-Building	100000.00	55666.00		
Repairs & Maintainance-Lab	1200000.00	1131250.00		
Equipments				
Repairs & Maintainance-	20000.00	125867.00		
Furnitures And Fixtures				
Repairs & Maintainance-	500000.00	422817.00		
Electrical				
Repairs & Maintainance-	100000.00	57313.00		
Computers				
Repairs & Maintainance-Geneal	900000.00	809779.00		
Computer Expenses	4000	3150.00		
Housekeeping Expenses	600000	5600506.00		
	0000000	5000500.00		
Software Expenses	1600000	1507696.00		
				<u> </u>

Website Developement	150000	137510.00		
Gardening, Plantation And Landscaping Charges	3500000	3354620.00		
Student Sport Exps.			300000	233171.25
Students Soft Skill Exp			1600000	1573500.00
Total	14104000.00	13465581.00	1900000.00	1806671.25

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

The institute has policy to create best infrastructure for holistic development of the students.

Following infrastructure facilities are available in the campus of SCOE:

- Well-equipped Laboratories , Library , Well-furnished classrooms and tutorials
- Internet/WIFI
- Transportation
- Gymkhana
- Canteen
- Training , placement and carrier guidance cell
- IT resource
- Human Resource
- Well-furnished auditorium with 300 seating capacity
- Seminar halls
- Auditorium
- Research and development cell
- Entrepreneur Network cell

In view of syllabus, additional courses, students, admissions, etc. Principal, Dean of

Academics, Dean of Administration and Head of departments identify requirements and

prepare budgets for laboratory and other requirements. Accordingly management upgrades facilities with the help of experts in the concerned areas.

There is an institutional mechanism for maintenance and upkeep of the infrastructure, facilities and equipment of the college.

The available infrastructure is utilized optimally in the following aspects. \Box The college analyses the requirements of major facilities like building, furniture, computers, lab equipment and consumables and other teaching facilities every year, accordingly budget is allocated for it's up keeping and maintenance. The maintenance contracts for computers, printers, lifts, water coolers, air conditioners, water purifiers, firefighting system, housekeeping etc. are renewed periodically.

- To enforce the action plan for implementation of quality policy, eight different processes are defined by institute, and those are as follows:
- Well defined academic processes for the effective conduction of all academic activities. Administrative policies for development of well-equipped infrastructure
- Examination processes for smooth conduction of examination and adherence to university rules and regulations.
- HR policies for selection and development of quality staff members including teaching and administrative.
- Library mechanisms to set up and maintain the state of the art library.
- To follow all ISO procedures running successfully and all timelines of audits are met positively.
- Student section processes for admission and enrollment, eligibility and scholarships of admitted students
- Training and Placement processes for ensure maximum in-campus recruitment Details of the procedures and process are available on the institute website

Weblink: <u>http://engineering.saraswatikharghar.edu.in/wp-</u> content/uploads/sites/6/2018/12/Procedures-and-Policies.pdf

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 fro institution	m Scholarship	560	38166762
Financial support fro institution	m Freeship	572	38738863
Financial support fro	m other sources		
a) National	IT-Dept Economical Backward Scholarship IT-DeptSocial Justice Post Matrix Scholarship Mech-Dept	IT Dept01 IT Dept01	IT Dept -42000/- IT Dept -1900/-
	India Bulls	Mech Dept01	Mech Dept 53000/-
b) International	-	-	-
	ability enhancement and dev dial coaching, Language lab ntoring etc.,		
Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
FE Department			
D	Ω I 1st A ± 2017	500	T

FE Department				
Proctor system	Sem I	1 st August 2017	502	Institute
	Sem II	8 th January 2018	508	
Nurture- Skill				
development				
Program (Soft				
skill, Personality				
development.)				
SE Computer	05/02/2	018-08/02/2018	72	Institute

Year	Name of the scheme	Number of benefited	Number of benefited	Number of students v		Number of students placed
5.1.3 Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year NA						
15/03/2018 S.EB :12/02/2018- 15/02/2018			71			
Nurture	S.E-A :	12/03/2018 -	75		Institut	tion
Mechanical De	partment					
Departmental proctor system(counsel mentoring)	14/5/20 ling	17	ALL	Departmental proctor system(counselling mentoring)		(counselling
Industry institu bridge course	te 5/10/17		17		Pratisv	vara
Nurture (Soft sl Development)	xill 25/9/17		01		T&P	
Civil Departme			01		TAR	
Proctor	2018	017	226		Institut	tion
Nurture	29th Jar	n.2018 – 1st Feb.	76		Institut	tion
Corporate IT Department						
Campus to	Jan. 201 23 rd Jan	8 31 st Jan. 2018	29			
Nurture	22 nd Jai	$n.2018 - 26^{th}$	72	, ,	Institut	te
E&TC Depart Proctor system	10 th July	2017	All (SE, T	E. BE)	Institut	te
NURTURE						
development-	5/2/201	0 10 0/2/2010	12		DCOL	
Computer Dep Soft skill		8 TO 8/2/2018	72		SCOE	
FE All branches		018 - 22/03/2018	507			
SE Mech II		018 - 15/02/2018				
SE Mech I		018 - 03/02/2018 018 - 15/03/2018				

		students by Guidance for Competitive examination	students by Career Counselling activities	have passed in the competitive exam	
Computer De		[ſ		
2017-18	Seminar on higher studies(by Gate Forum)	Attended students -43	65	03	62
E&TC Depart	tment				
2017-18	"GATE- Guidance" seminar	88	NA	01	-
2017-18	Seminar on "Higher education opportunities"	71	NA	01	-
2017-18	Seminar on "Civil Services"	25	NA	-	-
2017-18	Nurture	NA	72	-	13
2017-18	Campus to Corporate	NA	29	-	42
IT Departmen	t			·	
2017-18	Guidance for competitive examination	40	GATE-3	TOFEI-1 GATE-1 GMAT-1	37
Automobile D		L	L		
2017-18	Civil service Program organized by Prof.Chetan Thakur	60	60	0	13
Mech Departn		1	1	-	
2017-18	"GATE- Guidance" seminar	60	NA	GATE-02	63
Civil Departm				1	
2017-18	TIME career guidance and counselling seminar	35	20	18	45

2017-18	Amity	-	5	-				
	University							
	counselling							
	for PGDM							
	5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year NIL							
Total grievances receivedNo. of grievances redressedAverage number of days for grievance redressal						2		
	-		-			-		

5.2 Student	5.2 Student Progression NA						
5.2.1 Details	of campus place	ement during the	year				
On campus			Off campus				
Name of Organizatio ns Visited	Number of Students Participated	Number of Students Placed	Name of Organizations Visited	Number of Students Participated	Number of Students Placed		
Aastha Cleanrooms	50	1	Accord Communicatio n	230	1		
Absolute Surveyor	35	7	Anirudh Civil Engineers and Contractors	45	1		
Allerin	65	3	Automotive	66	2		
Antraweb Tech	25	2	Caliber Point	78	1		
Apex Services	56	1	Enkay Telecommunic ation	89	1		
Ashida Electronics	29	1	Gurukrupa Interiors	46	1		
Atidan	45	1	Hitech Engineering	62	2		
Auto Vista	20	4	Hydroserve Technologies	43	1		
Balmer Lawrie			IR Civil Engineers and				
	57	4	Contractors	92	1		
Bitwise	46	1	IT Sourse	86	1		
Bridgelabs	56	3	Just Dial	84	1		
Capgemini	79	1	Lodha	23	1		
Carwale	46	2	Logixal	24	1		

Direct I	87	7	Man Infra	45	1
Direct I	07	/	New India	45	1
DXC			Construction		
DAC	45	3	Company	32	1
	T J		Onycon	52	1
Eclerx	78	4	Infrastructure	34	1
	70	T	Orbital	54	1
Ericsson	65	8	Systems	41	1
Fiction 2	05	0		71	1
Fact	79	4	Powertech	52	2
		· ·	Progressive	02	
Franklin			Civil		
Electric	46	4	Contractor	26	1
Glovve.co		•		20	1
mp	68	4	Prototech	31	1
			Smart Wireless	01	-
GVK	80	20	Pvt.Ltd	41	1
Hexaware	78	7	Tata Motors	65	1
HGS	79	9	TCS	66	1
Hindustan	17			00	1
Constructio			Unity Telecom		
n	50	2	Infrastructure	45	1
			Viral	10	
Indus tower	46	2	Engineers	71	1
Infogain	64	6	WEBLOGIC	33	1
Just Dial	78	1	WIPRO	56	1
Kolte Patil	65	2			
Magus					
India	23	4			
Majesco	36	3			
marathon	52	8			
Microland	45	5			
Midmark					
India	22	1			
MindCraft	60	13			
Mouthshout	41	1			
Neosoft	46	1			
Neptunus					
Power	65	2			
Net Magic	22	1			
Network 18	44	2			
Nucsoft	62	1			
Oriental					
Mechanical					
works	54	1			
Originet	51	1			
OUSTFIRE	62	2			
55511 IKL	02				1

Paramatrix	66	1			
Quinnox	57	4			
Rave		•			
Technology	22	2			
Reliance		2			
Communic					
ation	77	4			
Relince Jio	63	6			
Revigo	88	26			
Sanmar	82	20			
Selec	62	<u>ک</u>			
Control	60	2			
Shirke	00				
Constructio					
n	24	3			
Shriram	23	2			
Spry Logic	45	1			
Sunday	43	1			
Mobility	46	2			
Sunny Real					
estate	61	1			
Sutherland	90	10			
Swabhav)0	10			
Tech	42	2			
Swan	72				
Solutions	36	3			
Syntel	46	7			
Systenics	40	2			
Tech Flow					
Engineers	74	1			
Tribotech	33	1			
Ugam	55	1			
Solutions	63	2			
V2S	52	4			
Venkatesh	550	7			
Weldcraft	78	3			
XL	10	5			
Dynamics	64	4			
Yash		•			
Industries	550	9			
Zeus					
Learning	79	6			
Yodlee	1500	2			
	1000		1	1	<u> </u>
5.2.2 Student	progression to h	igher education in	percentage during	g the year	

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted t
E&TC Dep	artment				I
2017-18	Raut Swapnil Sunil	BE- Technology Electronics and Telecommunic ation Engg.	Electronics and Telecommunic ation Engg.	Vidyalankar Instittue of Technology	M.E
2017-18	Bhor Tejas Rajendra	BE- Technology Electronics and Telecommunic ation Engg.	Electronics and Telecommunic ation Engg.	Vivekanand Edu Society's Institute of Management studies and research,Che mbur	MMS
2017-18	Lade Manali Shrikant	BE- Technology Electronics and Telecommunic ation Engg.	Electronics and Telecommunic ation Engg.	Bharati Vidyapeeth's Institute of Management Studies & Research,Bel apur	MMS
2017-18	Rawle Tanvi A	BE- Technology Electronics and Telecommunic ation Engg.	Electronics and Telecommunic ation Engg.	VJTI,Mumba i	ME(E&TC)
2017-18	Patra Suvendu S.	BE- Technology Electronics and Telecommunic ation Engg.	Electronics and Telecommunic ation Engg.	Symbiosis Institute of Telecom management.	MBA (Telecom Manageme nt)
2017-18	Chaudhari Chaitali R	BE- Technology Electronics and Telecommunic ation Engg.	Electronics and Telecommunic ation Engg.		MS (Electronics and communica tion)
2017-18	Bansode Rushabh V	BE- Technology Electronics and Telecommunic ation Engg.	Electronics and Telecommunic ation Engg.	GD Pol Foundation, YMT College of Management	MMS

2017-18	Sampada Shashri e Department	BE- Technology Electronics and Telecommunic ation Engg.	Electronics and Telecommunic ation Engg.	Welingkar's Postgraduate Diploma in Business Management.	MBA
2017-18	Rahul Salve,	BE- Technology Automobile Engineering	Automobile Engineering	State university of New York.	MS
2017-18	Bhavesh Pawar	BE- Technology Automobile Engineering	Automobile Engineering	State university of New York	MS
2017-18	Suyas.h K	BE- Technology Automobile Engineering	Automobile Engineering	State university of Germany	MS
Mechanica	l Department	0 0		I	1
2017-18	Bukane Sameer	BE- Technology Mechanical Engineering	Mechanical Engineering	FR.CRCE, Bandra	M.E.
2017-18	Kulkarni Akshay	BE- Technology Mechanical Engineering	Mechanical Engineering	Ramprasad Chandelwal,I nst. Of Management and research Bandra	MMS
2017-18	Dhoble Apurva	BE- Technology Mechanical Engineering	Mechanical Engineering	Garware Institute of Edu. Kalina	PGDBM in mass media journalism
Civil Depa		1		1	
2017-18	Akshay KUmar Bhat	BE Technology civil engineering	Civil Engineering	University Of Cincinnati	MS
2017-18	bhujbal sagar ram	BE Technology civil engineering	Civil Engineering	Yadavrao Tasgaonkar COE And MGMT	ME Water resource engg

2017-18	Mrinmayi Tamboskar	BE Technology civil engineering	Civil Engineering	Vjti	MTech Project Manageme nt
2017-18	Ghokate Darshana	BE Technology civil engineering	Civil Engineering	Sinhagad College Of Engg, Pune	ME Environme ntal engg
2017-18	Sare Jay Naresh	BE Technology civil engineering	Civil Engineering	GH Raisoni College Of Engg	ME Structural engg
2017-18	Matkar Viraj , Kadlay Sunil,sathanak umar Murugaiah, Ankita Bade	BE Technology civil engineering	Civil Engineering	Amity University, Noida	MBA
2017-18	Gupta Sawan Ashok	BE Technology civil engineering	Civil Engineering	Jspm Impeial Coe	ME Structural engg
2017-18	Patil Pratik	BE Technology civil engineering	Civil Engineering	Datta Meghe Coe	ME Strucutral engg
2017-18	Yadav Brajesh	BE Technology civil engineering	Civil Engineering	Nicmar , Pune Alkesh Dinesh Modi	ME Constructio n managemen t
2017-18	Bhagyashree Panchpande	BE Technology	Civil Engineering	Institute For Financial And	MBA

		civil engineering		Managemnt Studies			
2017-18	Pragvansh Pati	BE Technology civil engineering	Civil Engineering	AUT University, New Zealand	MS		
2017-18	Abhinav Paul	BE Technology civil engineering	Civil Engineering	Auburn University Garduate School	MS		
5.2.3Students NET/SET/SI	s qualifying in sta LET/GATE/GMA	ate/ national/ intern T/CAT/GRE/TO	national level examples of the second s	ninations during s/State Governn	g the year (eg: nent Services)		
Items		No. of Students qualifying	o. of Students selected/ alifying		Registration number/roll number for the exam		
NET							
SET		10		ME17102090, ME18117307 ME18116814 ME18120038 ME18100056 ME1710 ME17101324 ME171011019 ME17107841 ME1710			
SLET GATE							
GATE		Computer dept 3		Computer- CS18S32073659,CS18S320 74051 CS18S32073228			
		E&TC Dept01	l	E&TC- EC 18	S52064284		
		Mech Dept02		Mech – ME18S12073164 ME18S12059484 CE18S72072124			
		Civil Dept07		CE18S820690	24		

	CE18S82071037 CE18S72068016
	CE18872046517
	CE18S72080035
	CE18S82051081
 F&TC-01	E&TC-7159411
	IT-700081
Automobile-03	
IT-01 Automobile Dept03	IT-000829579
IT DeptUPSC-1	IT-0218AC0124573
Civil Dept01	PWD_JE_0038922
	IT-01 Automobile Dept03 IT DeptUPSC-1

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

Activity	Level	Participants
Sports Activities		
Sports FOOTBALL MIT sports summit (Pune)	Level- National	Participants- 16 Rank- Top 4 out of 64 teams
University tournament	University Level inter college	Participants- 16 Result- lost in the third round
Reliance foundation youth sports tournament	Level- inter collegiate	Participants- 16 Rank- played 2 matches. (First match- 6-0 win, sec- ond match 1-1 draw
RAIT sports tournament, Nerul	Level- inter collegiate	Participants- 16 Rank- Top 8
Sports KABADDI	University Level inter college	Participants:- 12 Rank :- lost in 3rd round
Sports BADMINTON*	University Level	Participants:- 6 Rank :- pre quarterfinals

	inter college		
Sports CRICKET	Club matches Level Region	al	Participants :- 11
Sports SWIMMING*	University Level inter co	ollege	Participants:- 5 Rank : all top in 8
Sports Kho-Kho	University Level inter co	ollege	Participants:- 1
Sports Weight Lifting	University Level inter co	ollege	Participants:- 04
Sports Wrestling	University Level inter co	ollege	Participants:- 01
	Cultur	al Activity	
Teachers day A celebration of gratitude towards the moulders of the world 5/09/18- 2.00 pm onwards 2.00-5.50pm		College Level Fun activities for teachers	Attendance: 452
Cultural club auditions Identifying the talents and for 3,4/09/18- 2.00pm onwards	ming the clubs	College Level	Attendance: 200+
Freshers auditions Identifying the new talent 6,7/09/18- 4.00pm onwards		College Level	Attendance: 250+
Ganpati Festival , Grand welc lord Ganesh	oming of the	College Level	Attendance : 1000+
12/09/18- 2.00pm onwards 2.00-3.30pm :Banjo 3.30-4.30pm : Dhol tasha			
Freshers party Welcoming and show casing talent of fresh- ers 28/09/18- 4.00pm onwards		College Level	Attendance: 800+
Garba night ,Celebrating the e tival 10/10/18 - 4.00pm onwards	enchanting fes-	College Level	Attendance: 1000+

5.3 Student Participation and Activities

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

Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student
2017	Gold medal	National Level Thaiboxing	yes	-	S156028	Gurinder singh manan
2018	Gold/Bronze medal	International Indo –Ryu Karate	yes	-	FE Student ID is pending	Mr.Prathmesh Shirodkar

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

The Student Council 2018-19 of Saraswati College of Engineering, Kharghar consists the hearts and souls of its 27 members. The general process of selection of council members primarily is carried out via the interested students first filling the application form and submitting their certificates to the assigned in charge faculty. Then, the students are shortlisted for the interview round which lasts for almost 2 days after which the qualified students are selected and finally the council is formed.

The Student Council is a body which represents the entire college. Each member of the student council also stands individually as a representative for the entire college. The posts in the Council are as follows: General Secretary, General Advisor, Cultural Secretary, Cultural Club Coordinator, Joint Cultural Secretary, Treasurer, Sponsorship Head, Technical Head, Joint Technical Head, Software Development Head, Documentation Head, Lady Representative, Academic secretary, Editor in Chief, Publicity Head, Security Head, Joint Security Head, Logistics Head, Joint Logistics Head, Head of Operations, Sports Secretary, Joint Sports Secretary, Creative Head, Joint Creative Head, Hospitality Head. The first mentioned posts are usually referred to as the core mains, however in this year's council no such difference is kept. 'All are equal, all should work equal and dedicate themselves equally,' this has been the motto.

Many events have been conducted by the Council at the college level, starting from Teacher's Day, then Ganpati Aagman, Fresher's Party and Garba Night. During all these events, there was a lot an involvement from the teachers as well as good response from the students and the first years as well. Events were conducted by keeping in mind uniqueness, non-repetitiveness and new themes

and 'state to the date' ideas. With every successful event and its grand execution, a new bench mark was set every time by the student council.

The Council and its members play a very profound role in the happenings of the college and to bring everyone together. By conducting these events, they serve all the students as well as the whole faculty of the college. They learn and imbibe themselves constantly with discipline, administrative skills and leadership skills and project the same. After every success they achieve, they can create an invincible aura all around for every other student to learn and get pumped up with the same. The council works with other committee as well which depicts how well they can create the harmony and enrich the ultimate unity the college possess. In the end, they all able to reflect upon themselves as well as make the teachers and the whole college proud for the teachings and the qualities they have learnt from them and become the best versions of themselves.

5.3 Alumni Engagement NA

5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):

Not registered but we have alumni association

5.3.2 No. of registered enrolled Alumni:Nil

5.3.3 Alumni contribution during the year (in Rupees) : 50,000

5.3.4 Meetings/activities organized by Alumni Association : **Computer Department**.: Rohit Agre our alumni are supporting us in development and maintenance of website.

IT Department -Seminar on "Introduction to Oracle"

Civil department- 1). Career guidance given by Prathamesh Pawar, kunal Parmar (2016-17)

2). Pratiswara (bridge course, 1week training program)- Suraj Nair

3). SSTP for faculty by Abisht Kejriwal (CAAD centre)

E&TC department – " Pratidhwani", Alumni and present student's interaction program was arranged on 19th January, 2018. Alumni students guided present students regarding higher education, present job scenarios etc.

Automobile Department- Shudhodan Sapre and Suyash karingwar is supporting in BAJA and Supra racing events, from design of car to final testing.

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) --

An organized method has been established by institute for work towards decentralized governance system

It is observed that decentralization of system improves work effectiveness and smooth functioning of Institute.

Working of governing body comprises problems conveyed by Local management committee

Principal monitors the academic processes through the head of the departments and academic coordinators and teachers

The Principal of the Institution conducts regular meetings with the staff with prior notification. The Heads of Departments observe the functioning of their respective departments. The participative decision-making ensures total participation of all the faculty of the department. The Registrar is administration head of the institute, supported by office staff.

The participative management is promoted at various levels in the institute. Departmental meetings are conducted for discussing common issues. The Principal with the Heads of the Departments discusses the needs, problems and suggestions to improve the educational quality and infrastructural improvements to talk to the top management for further action. There are various Cells established to manage different institutional activities. The list of available Cells/committees is as follows:

- Governing body
- Local managing committee
- Academic Control Committee
- Staff selection committee
- Research and Development Cell
- Training, Placement and carrier guidance cell

- Student grievance Cell
- Student Welfare and Grievance Cell
- Examination Cell
- Library Cell
- Internal Quality Assurance Cell (IQAC)
- Entrepreneurship Cell
- Admission Cell
- Women development cell
- Women Grievance cell
- Anti-ragging cell
- Entrepreneurship Network cell
- Industry Institute Interaction cell
- Purchase committee
- NSS unit
- Time table committee

Faculty members can discuss their issues with the HOD's and the LMC committee, and provide suggestions for expected changes in processes, which are conveyed to top management in meetings. After receiving feedback from the stakeholder's management implements suggestions through the respective departments, which will further be communicated to the staff for improving the effectiveness and efficiency of the institutional processes. The management encourages and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes by: Provision of special leaves for higher studies. Faculty, members are encouraged for participating in training programs, , workshops, symposiums and refresher programs. Involvement of the staff members in decision making. Motivates staff members for higher studies and gives increments after completion of higher studies. Motivating & honoring the staff for their successes in academic and research activities

The management had been very involved with the entire process of NAAC accreditation and its implementation. Requirements related to academics or administrative work were conveyed to the management through the IQAC team and Principal and necessary action were taken

6.1.2 Does the institution have a Management Information System (MIS)? Yes/No/Partial:

YES

By optimum use of technology, Notices are conveyed through emails and SMS to the stakeholders. SMS and e-mails regarding defaulters are sent to parents. Results are uploaded on college website. Online Feedback system and online aptitude test system is utilized for students' comfort. HRMsoftware is used for CL-leave approval and sanction process

Saraswati College of Engineering (SCOE), has an online data cum resource management software used to maintain student, staff and resource records for various academic and administrative purposes such as feedback about faculties, course exit, Programme exit, book transaction and online access to library resources.

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):

Curriculum Development

Our institute is affiliated to Mumbai University and bound by its curriculum. The university appoints senior faculty members as members of Board of Studies/Syllabus committee/Syllabus revision committee etc. The senior faculty members of our institute are part of syllabus revision committee of various programmes

As per the suggestions received from various stakeholders, faculties suggest the changes in the syllabus to be induced in the process of syllabus revision.

Analysis of prerequisites of every syllabus content, designing the course objectives and outcomes and program objectives and outcomes is done by concerned faculty of departments along with proper planning and implementation of curriculum. The institution has also adopted the concept of Quality circle wherein the suggestions given by members of quality circles are conveyed to the syllabus revision committee for inclusion. College has representation in BOS of various programs, which facilitates inclusion of views of faculties and advisory committee members of college at university level. Faculties of each department are deputed to participate in orientation/refresher course of revised syllabus.

A student council is formed in the institute and they are a part of decision making process in each program. Students' council members represent their program and conveys their academic issues to the head of the dept. And these are communicated to the university through senior faculty and taken into consideration at the time of syllabus revision Alumni: Alumni meet is arranged in the institute every year and their views, suggestion are noted. Based on alumni student's suggestion various add on courses are organized in the dept. to meet the industry requirement and making our students employable

Parents: A Parents teacher meet is organized in each semester and issues related to the curriculum are discussed and their feedback is taken for improvement in teaching activity and facilities in the campus.

Employers/ Industries: Training and placement cell regularly interacts with the HR of various industries and their feedback is forwarded to the programs heads and corrective action and courses are design to make the student employable

Academician/ experts: The views expressed by the experts who visit the institute during STTP programs, conferences, add on courses, seminar, guest lecture on the current scenario and requirement of industry are also incorporated

Teaching and Learning

Institute is ISO certified under ISO 9001:2008. All Academic processes are well established and implemented. Quality objectives for academic processes are reviewed after every year and measures are taken to improve the quality in Academics.

- Appointment of faculty with subject experience- HR section takes care of appointing senior qualified and experienced faculties.
- Continuous monitoring on process- Academic monitoring committee reviews teaching learning process and teaching methods and proper suggestions are given for improvement if required.
- Continuous evaluation- Assignments, Tutorials and Practical's are assessed by faculty throughout the semester for continuous improvement in students.
- Specialized Training-Training need identification is done by HR and departments for deciding the type of training to be imparted to faculty.
- Review of teaching methods- Review of teaching methods skills, content and implementation are monitored on regular basis by analyzing progress reports and feedbacks from students.

- Feedback-Feedback is taken from students twice a semester and if not found adequate then counselling of faculty is done by principal for improvement in performance.
- Action for improvement- Counselling meetings are conducted for faculty with less feedback and suggestions are given in specific areas of improvement.
- Work load distribution- Work load for every semester is done well in advance based on faculty competency, teaching experience, expertise, result analysis and feedback of students.
- Proctor system- Proctors are assigned for a group of students who takes care of the difficulties of the students to improve academic performance and their overall wellbeing.
- Faculty Meetings- Departmental meetings are organized regularly to review the progress of teaching learning and to solve problems if any.
- Teaching aids- Modern teaching aids such as LCD/OHP/CD's/DVD's are utilized for an effective delivery of the subject to the students. Internet facility available across the campus to support teaching learning process.
- Laboratories:
- Laboratories are well equipped with advanced technology equipment and revised syllabus for better delivery of practical aspects of subject.
- Research:

Faculties from all departments are encouraged to submit research proposals to different research and funding organizations. They are also encouraged for doctorate programs. Special attention to **slow learners** and **remedial classes** for failures and DSE students are also taken care of. Leased line of 100 MBPS internet facility is available for faculty and students.

• Examination and Evaluation

University Reforms adopted by the institute

Institute follows the Mumbai university guidelines for conduction of examination and evaluation of students and Result Preparation Process, moderation, Gazette, Internal Evaluation process. **Reforms initiated by the Institute** Continuous assessment of practical is done by using academic diary. Maintenance of score records with respect to performance of students are awarded for final exam score. The faculty enters attendance and marks of the students periodically. Records of marks are finally sent to university. Institute conducts surprise tests per semester for every subject,

mock oral examination. The college calls external examiners for conduction of practical exams and vivavoce from the approved panel of examiners. The Institute has self-defined practice of masking and coding the papers for second and third year examinations which are conducted on behalf of university. Mini Projects and their presentations are assigned to second and third year students though they are not mentioned in the syllabus for better learning of students, which are evaluated and guided by teachers. Internship is made compulsory to all third year students to give them industrial exposure. Their reports are evaluated by teachers

- Security measure is enhanced in examination section to avoid any malpractices through CCTV camera and data retrieval capacity for 3 months
- Separate enhanced UPS facility in exam cell related to exam DEPDS work
- Results of second year and third year examinations are declared within a span of 35 days
- Revaluation result declared within 2 months

Research and Development

Saraswati College of Engineering has been recognized as a research oriented centre .The Research and development cell is formed to monitor and address the issues of research and its roles and objectives are well defined. Under the Research and development cell, the institution takes measures to facilitate smooth progress and implementation of research scheme and takes efforts in developing scientific temper and research culture and aptitude among students. Faculties involvement in active research projects and collaborative research activities are encouraged .Workshops, training programmes are organised by the institution with focus on building research culture among students

One major project has been submitted to BRNS and a funding of 16 lakhs has been received

13 minor research projects have been submitted to university of Mumbai

34 MOU'S has been established till 2017-18

Library, ICT and Physical Infrastructure / Instrumentation

Library: Books are added as per department requirement. Adequate journals are provided to users. Library circulation work like Issue and Return of books are maintained using KOHA open source Library software.

In-house Printing of barcodes. Every class has library hour. For project work information ready reference service provided. One extra book issued to topper student of every class. Return notice

of books e-mail directly through software. Stock verification of library books done at the end of every year. Online feedback of user.

ICT facilities is continuously upgraded .to make more smart classrooms and provision of video lectures and NPTEL videos are made. Students and faculties are making use of digitized library Upgradation in physical infrastructure is also a continuous process wherein all the requirement

needed for the smooth functioning of the college campus are provided

In the campus that is spread across 2.25 acres, in addition to 38 classrooms ,58 Laboratories ,6 seminar hall, 1 auditorium,1 video center has been newly added in 2017-18

5 Classrooms with Wi-Fi/ LAN has been newly developed. Around 15 lakhs rupees had been spending on the Purchase of lab equipment's in 2017-18 and continuous upgradation in the campus infrastructure is initiated

Human Resource Management

Institute has implemented new system to communicate or send notice interdepartmental via email or WhatsApp to reduce time and usage of paper.

Institute has introduced new software for applying leave.

Institute has encouraged faculty members to pursue PhD by providing sponsorship.

Institute has started various staff welfare scheme like one day out, seminar on Stress Management, Motivation, leadership, unity ,etc.

Institute has started soft skill program for non-teaching staff members for improvement of their skills.

Institute has started to teach basic MS-CIT course to all non-teaching staff.

Institute has arranged various social programs on Teachers Day, Women's Day, etc. for unity in staff.

Industry Interaction / Collaboration

When Industry and College work in tandem to push the frontiers of knowledge, they become a powerful engine for innovation and economic growth.

For improvement of quality the institute has conducted faculty interaction session with the staff and Industry delegates. Along with that Seminar were conducted from the industry personal for the students to make them aware about the latest trends in the industry. The Training and placement cell also conducted Industry visit for students along with staff members. also Technical conference (National / International) were arranged to initiate effective collaborative or independent research based on the policies on both the Institute and Industry. Over time, a well-managed partnership had produced a growing number of professors and graduate students who can think and act across the cultural divide, connect with the key research interests of a company and work harmoniously to define big and common strategic goals.

Admission of Students

- The major and only sources of institutional receipts/funding is the fees of students, the college proposes the annual budget based on the admissions filled in for that academic year and as per requirements.
- To make the SCOE administration Student friendly for long term association and satisfactory admissions.
- Smooth functioning in Student section to handle processes for admission and enrollment, eligibility and scholarships of admitted students
- DTE approved Centralized admission center (ARC)
- Admission standards for distinctive categories (SC/ST, OBC, Women, differently abled, economically weaker and Minority sections) are all followed accurately

Support

Institute provides facilities and support in following aspects:

- Appreciation of Topper students in examination through attractive cash prizes and certificates. Book-bank schemes. Motivating students for publishing and presenting papers and competing in different conferences and technical festivals.
- Promoting organizational and leadership qualities by organizing programs through the student Councils and association.
- Guidance for referring available online journals, materials.
- IIT remote workshop center in process
- IIT library membership
- Financial support for participating in outside project competition.

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

Planning and Development

Department has planned to execute full-fledged Research and development cell

for teachers and student.

Department has planned to organize various program for overall personality development

of students and faculties.

Department is planning to expand the consultancy work. Department is planning to start vocational courses for students.

Development

Special efforts for Skill development and add on courses offered to students.

Distinctive efforts for Personal& professional development of students

Ethical, stable, proactive & conducive environment for holistic development of the Institute.

Developing Incubation center under Entrepreneurship Development cell.

Professional Development

Promote the proficient and academic growth of the staff by arranging FDP programs and promoting higher education

Dynamic participation in the selection, planning, and implementation of professional development activities for the staff.

Administration

- To perform realistic scientific analysis about the existing administrative load of every Administrative department throughout the academic year.
- Use of Orange HRM software for leave approval and sanctioned
- To interact with managements for purchase /up gradation of new equipment.
- To interact with the HODs about the availability of test equipment
- To prepare a detailed department wise budget report for every academic year regards provisions for laboratory and other purchases well in advance to start of the academic year.
- To prepare and facilitate the in-house co-curricular activities.
- To make the SCOE administration Student friendly for long term association and satisfactory admissions.
- To mentor students & faculty towards contribution towards social responsibilities.

Finance and Accounts

For improvement of Finance & Account, we adopted Cashless Accounting System in our institute and for that we tie-up with the Punjab National Bank as a Pay Fees System, and that help to Students as well as Parents. They can pay fees through Online by using our Institute website. They can see their balance fees as well as any other charges which is enforce by the college. Student can use all Cards as well online transaction for paying fees or any dues, which charges bear by the college. Students can analysis and see their own account and pay their fees according to that.

Student Admission and Support

- Saraswati College of Engineering ensures smooth execution regarding its admission procedure which is highlighted in the brochure published every year.
- Institute is involved in centralize admission process of DTE and Government of Maharashtra, all the rules, regulation and guidelines for merit admissions for CAP are strictly followed every year. Institute Level admission percentage is decided by DTE as per the DTE guide-lines, Institute has framed its procedure for conduction of management admissions. As per the DTE Maharashtra rules the college admits 20% reservation seats in the management quota.
- The major and only sources of institutional receipts/funding is the fees of students, the college proposes the annual budget based on the admissions filled in for that academic year and as per requirements.
- To make the SCOE administration Student friendly for long term association and satisfactory admissions.
- Smooth functioning in Student section to handle processes for admission and enrollment, eligibility and scholarships of admitted students
- DTE approved Centralized admission center (ARC)
- Admission standards for distinctive categories (SC/ST, OBC, Women, differently abled, economically weaker and Minority sections) are all followed accurately

Examination

- Institute follows the Mumbai university guidelines for conduction of examination and evaluation of students and Result Preparation Process, moderation, Gazette, Internal Evaluation process
- To prepare gazette **Viva** software is used by the examination cell
- Most of the communication with the Mumbai university is via email
- Online Hall tickets for first year and final year students are provided on the college website for the students to download

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
4/12/2017	T.Z.Quazi	Instructional Methodologies for outcome based education in mechanical Engineering	AICTE	1000/-
28 th and 29 th Dec 2017	Madan Jagtap Janak Suthar	11 th ISDSI (IIM,Trichy)	ISTE	1000/-
March 2018	Paramjit Thakur	STTP (Condition monitoring of equipment	ISTE	1000/-
4/12/2017	Madhukar Sorte	Instructional Methodologies for outcome based education in mechanical Engineering	AICTE	1000/-

4/10/2017	22 A 11 C 1/: C			ICTE		1	000/
4/12/2017-	22 All faculties of	Faculty		ISTE		1	000/-
8/12/2017	civil department	Intelligence					
		Learning					
		Module (FDP	')				
2/01/2017-	Deepa Parasar	STTP on		ISTE		1	000/-
6/01/ 2017		machine					
		learning					
11/12/2017—	Vijay Kapure	Workshop on		ISTE		1	000/-
15/12/2017		"Numerical					
		Methods					/
5/12/2017-	Nilesh Patil	STTP on		ISTE		10	000/-
18/12/17		"Ethics and Moral Values					
3/01/2018-	09 Faculties of	Workshop on				1	000/- each
5/01/2018	E&TC Dept.	"Design and		ISTE			
		analysis of					
		Antenna and					
		microwave					
		devices using HFSS"					
12/04/2018-	Nilesh Patil	STTP on "Ne	w	ISTE		1	000/
21/04/2018	1 (nesh i uti	Trends in Sol		ISTE		1	
		Work in					
		Engineering"					
	of professional devel				ning progran	nm	es organized by
	teaching and non-te	<u> </u>	<u> </u>				
Year	Title of the	Title of the	Da		No. of		No. of
	professional	administrative	(fro	om-to)	participant		participants
	development programme	training programme			(Teaching staff)		(Non-teaching staff)
	organised for	organised for			stall)		Stall)
	teaching staff	non-teaching					
	8 8	staff					
Automobile De		DUC	A nd	1 cth	20		2
2017-18	Industry Need	PUC training		to 6 th	30		3
	Based customized		Jan 20	nuary 18	participant	.S	
	training		20	10			
	programs in the						
	field of						
	CAD/CAM/CAE						
E&TC Depart	ment						

			1 -	T		
2017-18		Advance	4^{th} - 5^{th}	-	02	
		training on	January			
		Excel	2018			
IT Departmen	t	F 1	14/1/2010	I	20	
2017-18		Excel	14/1/2018	-	39	
		Workshop	to 15/1/2018			
Civil Departm	ont		13/1/2018			
2017-18	STTP			30		
2017-18	5111			50	-	
	Orientation			10	-	
	program	Jan 18		10		
	gullabug revision			05	-	
	syllabus revision					
Mechanical De	epartment			1	·	
2017	Hands free on		26-30 th	33		
	ANSYS		June	participants		
		-	2017	1 1		
6.3.3 No. of tea	chers attending prof	essional develop	pment progra	ammes, viz., O	rientation	
	efresher Course, Sho	rt Term Course,	Faculty Dev	elopment Prog	grammes during	
the year						
				1		
Title of the pro		Number of teachers who		Date and Du	ration	
development pr	rogramme	attended		(from - to)		
Automobile D		1/11	Var ala)	1 2th 1-1- 201	0	
Orientation Pro Automotive Sy		1(Heeranand	vangde)	12 th July 201	8	
Orientation Pro		1(Chodankar	-	12 th July 201	Q	
Transfer	igramme- meat			12° July 201	0	
	gramme- Fluid	Vishnudas) 1(Sagar Khatavkar)		12 th January 2018		
Mechanics	gramme- i lulu	i (Sagai Kila	I(Sagai Kilatavkai)		12 January 2018	
	lethodologies for	1(T.Z.Quazi	1(T Z Ouazi		r to 15 th December	
outcome based	5	I(I.Z.QuuZi		2017		
mechanical Eng				2017		
Computer Dep		I		1		
A	gram for AOA and	1		8 th Jan 2017		
AOA lab						
Orientation Program for OS and OS		5 2		10 th Jan 2017	7	
lab	-					
STTP on Mach	ine Learning	1	1		2 nd Jan to 6 th Jan 2017	
Orientation Pro	gram for OS and OS	5 1		12 th Jan 2017		
lab						
-		•				

		1 oth 1 1 0 0 1 7
Orientation Program for CG and	1	12 th July 2017
CG lab		
Orientation Program for Discrete	1	21 st July 2017
Mathematics		
E&TC Department	1	
Workshop on "Arduino and	02	14 th -16 th September 2017
Raspberry Pi Programming"		
Workshop on "Design of Solar	03	21 st July 2017
System"		
Workshop on "Numerical	01	11 th -15 th December 2017
Methods"		
STTP on "Ethics and Moral	01	5 th -18 th December 2017
Values"		
Workshop on "Design and analysis	09	3 rd – 5 th January 2018
of Antenna and microwave devices		
using HFSS"		
NPTEL course on "Fiber optic	01	July 2018
communication system and		
techniques"		
NPTEL course on" Principles of	01	July 2018
signal estimation for		
MIMO/OFDM"		
STTP on "New Trends in Solid	01	12 th -21 st April 2018
Work in Engineering"		
IT Department		
Digital Design Lab Orientation	1	20/7/2017 3hrs
DBMS Orientation	1	24/7/2017 3hrs
POC Orientation	1	20/7/2017 3hrs
DSA Orientation	1	25/7/2017 3hrs
Java programming Lab Orientation	1	13/7/2017 3hrs
Avishkar Research Convention	1	9/11/2017 3hrs
Workshop		
Python Orientation	1	04/01/18 3hrs
Unix Lab Orientation	1	12/1/2018 3hrs
COA Orientation	1	10/1/2018 3hrs
CN Lab Orientation	1	3/1/2018 3hrs
MPL Orientation	1	10/1/2018 3hrs
AT Orientation	1	1/1/2018 3hrs
Civil Department		
Faculty Intelligence Learning	22	4/12/2017 - 8/12/2017
Module (FDP)		
Mechanical Department	1	
Orientation Programme-MMC	1(Monish Tarhekar)	21 st July 2018

			1 -		
Orientation Programme- MSTD		1(Sachin Solanke) 2 (Yogesh Dhumal)		2018	
11 th ISDSI (IIM,Trichy)	1(Madan Jagta 2 (Janak Sutha	1(Madan Jagtap) 2 (Janak Suthar)		28 th and 29 th Dec 2017	
Instructional Methodologies for	1(M.B.Sorte)	,	4 th Decen	nber to 15 th December	
outcome based education in			2107		
mechanical Engineering					
STTP (Condition monitoring of equipment)	1(Paramjit Tha	kur)	March 20)18	
		4/6 114			
6.3.4 Faculty and Staff recruitmen	it (no. for permanen	t/fulltime i	recruitment	t):	
Teaching			Non-1	teaching	
Permanent	Fulltime	Pern	nanent	Fulltime/temporary	
53	112		87	66	
6.3.5 Welfare schemes for					
0.5.5 Wenale schemes for					
Teaching					
Urgent provision of finance	ial help to staff in c	ase of med	ical emerg	ency.	
• Provision of maternity leave	ve to female faculty	members.			
• Provision of uniforms to a	ttendants.				
• Faculty is provided finance	cial assistance and o	n duty leav	ve for publi	ishing the technical	
papers in National/International	tional reputed Journ	als & conf	erences.		
• E P F – Paid as per P F Ac	t to all the employe	es.			
• Gratuity – Paid as per Gra	tuity Act.				
Group insurance policy for	r teaching staff				
Non -teaching					
• Provision of maternity leave	ve to female non- te	aching lad	ies' staff.		
• Provision of uniforms to a	ttendants. 🗆 Faculty	y is provide	ed financia	l assistance and on	
	-	-			
duty leave for publishing the technical papers in National/International reputed Journals & conferences.					
 E P F – Paid as per P F Act to all the employees. 					
 Gratuity – Paid as per Gratuity Act. 					
 Group insurance policy for nonteaching staff 					
Group insurance poncy for nonteaching start					

Students

- Institute is organizing number of events under NSS and students from all programs are part of the NSS team. Prof. Ram Bhise is the in- charge faculty of NSS. Elocution competition during Vigilance awareness week was conducted on 13/10/2015. The event was organized to spread awareness and sensitizing the youth about ill effects of corruption on our society. A program on Swachyata Abhiyaan (initiated by PM) was organized on the eve of Mahatma Gandhi Jayanti 2nd October 2015. Personality development workshop was organized under NSS. A seven day Residential camp at the adopted village was planned under NSS Sr. No Name Post Contact 1 Mrs.Shilpa Kolte Member 8108188055 2 Mrs. P. Selvam Member 9821996170 3 Mr. Ram Bhise Member 9960569238 4 Mr.Madan Jagtap Member 9689613318 5 Mrs.Monali Deshmukh Member 7738376828 6 Mrs.Bhoomi Patil Member 9987042411 7 Mr.Sagar Khatavkar Member 9561305001 Self-Study Report SARASWATI Criteria-V College of Engineering.
- Health service -An MOU is signed with the Yerala Medical Trust to take care of medical emergency.
 GIC group insurance of students have been initiated from the academic year 2015-2016.
 Rotract club of Saraswati college of Engineering is active in arranging different types of students activities like blood donation, illiteracy removal program, sports activity, marathon, social awareness program, women's safety, paper presentation in association with IIT, clean up drives like Vashi station, Kharghar, Nirbhaya campaign, Ecofriendly Ganesha making
 Student's council is formed in the institute to contribute in the academic development, to provide encouragement for participation in extracurricular activities. Ganesha utsav, sports activities, annual culture programme "Nakshtra", paper presentation, expert lectures, workshops and seminar. Add on courses are organized in consultation with the student council. Academic calendar of the institute is also formed by taking the views of student council into consideration. Relief fund for drought areas of Maharashtra activity was initiated by the student's council.
- Transportation facilities are provided to the students to travel between kharghar railway station and the institute in subsidized cost.
- Hygienic and full-fledged Canteen facility is available in the campus.

- The institution helps to receive scholarship to SC/ST, OBC and economically weaker students from Government of Maharashtra/DTE/Samaj kalyan office/Adivasi vikas karyala as per the policies.
- Grievance redressal cell- Grievances Redressal Cell is formed in order to keep the healthy working atmosphere among the staff, students & parents. This Cell helps Staff, Students & Parents to record their complaints and solve their Problems related to academics, resources and personal grievances. Ragging Complaints will be handled as per ragging rules available on University Website. Women's development cell and Women anti-harassment cell is constituted in the institute to resolve issues of women harassment.
- Placement and Counseling cell A Career Guidance and training & placement Cell takes care of arranging various programs and experts from industry and academics are invited to guide the students in relation to higher studies and also career options. Special soft skill training program which includes aptitude test, group discussion, personality development is conducted by the institute on a regular basis by Training and placement department. □ Games and Sports & gymnasium- A gymnasium facility is provided in the campus .Sports activities are conducted during annual social event "Nakshtra". One week is reserved for sports activity after the term ends to intensify the sports participation

6.4 Financial Management and Resource Mobilization

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

Institute conducts Internal Audit System as well as Statutory Audit System which is conducted after 6 months once in year. In Internal Audit System we adopt the policy for internal check as well as internal controlling system. In daily transaction vouchers prepared through online and online sanctioned by our Higher Authority. After voucher sanctioned by Higher Authority voucher is paid. Our transactions approved by three different authorities. Physical stock of Stationery and other material taking once in year.

We conduct Statutory Audit as per Statutory and Accounting standard. Statutory Auditors come on place and done the audit as per Statutory norms and Accounting Standard.

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/ Grants received in Rs.	Purpose				
Management	1,75,000	Seminar, Workshop				
Management	1,00,000	NSS Camp				
Management	4,50,000	Annual Function "Nakshatra"				
Management	50,000	Students Club				
6.4.2 Total corpus fund generated -Rs 50,00000/-						

6.5 Internal Quality Assurance System

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	ISOQAR	Yes	IQAC
Administrative	Yes	ISOQAR	Yes	IQAC

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

- Feedback Collected from PTA organized were effectively used for Quality improvement in all aspects
- As discussed in PTA meeting the number of MOCK aptitude test were increased and Personality development courses were conducted
- Members of PTA working in industry helped in training and placement activities and in arranging Industrial visits
- Development programmes for support staff (at least three)
 - IT department -Excel Workshop
 - E & TC department Workshop on "Design and analysis of Antenna & Microwave devices using HFSS" on 3rd to 5th January 2018.

• Automobile DeptFDP on "Industry Need Based customized training programs in the								
field of CAD/CAM/CAE" on 2 nd to 6 th January 2018								
ApplPrep	lication aration f	n initiative(s) (mo to NIRF ranking for NBA t of 4-I Model	ention at least three)				
 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		of quality ve by IQAC	Date of conducting activity	Duration (fromto)	Number of participants			
2017-18	1.	Participation in NIRF	4 th December 2017		01			
2017-18	2.	Academic Administrative Audit (AAA) conducted and its follow up action	3 rd July 2017	9:00am to 5:00pm	250			
2017-18	3.	Preparation for upgradation of ISO certificate	3 rd January 2018		01			
2017-18	4.	Application for Various awards and Rewards	02/01/2018		150			
2017-18	5.	Faculty development programme on "Retrospection of Revised IS Codes (IS 1893: Part I, IS 13920 and IS 383) and Retrofitting".	2 nd Jan. to 6 th Jan. 2018	9:00 am to 5:00pm	120			
2017-18	6.	"Training on PYTHON"	28 th June 17	9.00 am to 5.00 pm	43			
2017-18	7.	" Pratidhwani- An Interaction	19 th January 2018	9:00am to 1:00pm	150			

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			1	
	of Alumnus			
	With			
	Students"			
2017-18	8. Workshop on	7 th August 2018	9.00 am to	34
	Advance	_	5.00 pm	
	Python Under		-	
	Institute			
	Student			
	Companion			
	Program by			
	IIT Bombay			
2017-18	9. CADTECH	17 th Sept.2017	9.00 am to	89
	Competition	1	5.00 pm	
2017-18	10. "Äutoinventia	24 th Oct. 2018	9:00 am to	31 Groups of
	2018"		5:00pm	students (Auto)
	Students		*	
	Project			
	Competition			

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-to)	Participants	
		Female	Male
Women's Day Program	Nakshatra – Annual Event in March	200	-
Fashion Show of Students on Theme of gender equality	Showcased in various colleges in Mumbai	10	5

7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as: Percentage of power requirement of the College met by the renewable energy sources

IT Department

- 1. E-waste like electronic items are picked from entire office, and given for proper waste management through authorized vendors.
- 2. Desktops have been bought with LCD screen to save on energy.

E&TC Department

- 1. Electronics and telecommunication department has one green laboratory which runs completely on Solar energy.
- 2. To promote the environmental consciousness among students, various energy saving projects were carried out such as E- Rikshaw, E-Swachcha etc.
- 3. Tree Plantation by NSS with all departments
- 4. Carpool, Bikepool
- 5. Cleanliness Drive in different areas

Computer Department

E-Waste: Saraswati College of Engineering has taken initiative towards E waste management. College has signed MoU with E-Incarnation Recycling Private limited which process recycles destroys and displace the received material in efficient manner accordance with local and government rules. It will help to protect the environment. Agreement signed between Saraswati college of Engineering, Kharghar and E-Incarnation Recycling Pvt Ltd.

Civil Department

Students from CESA(Civil Engineering Student Association) and IWWA (Indian Water Works Association) participated in installation of solar panels in BorimalPada. (2017-18)

2. Students from CESA and IWWA constructed water tanks in Shirsonicha Pada in Palghar district (2016-17)

7.1.3 Differently abled (Divyangjan) friendliness

Items Facilities			Yes/No		No. of Beneficiaries			
Physical facilities			Yes		02			
Provision f		Yes			All			
Ramp/ Rai		Ramp			All			
	tware/facilities							
Rest Room	IS	Yes			07			
	examination	-			01			
	ll development	-yes			· · · ·	. of students).		
for differen	ntly abled					nal year stude		
students						t work in both		
						vited Mr. Kris		
						Sir, founder D	-	
						m foundation,		
						lect proper top		
						ful for society		
					given	chance for inte	erns	hip.
	similar facility							
	sion and Situat			1.0				. .
	-	, NSS Rotary Club A	Activities, Poo	ol Cam	pus, Kł	harghar cleann	ness	Drive,
Samaj Kal		• .• . • . • •		1		1 1 1		1 .
	t important init	iatives taken to addr	ess locational	advan	itages a	nd disadvanta	ges	during
the year				NT	C	т	ЪT	1 0
Year	Number of	Number of	Date and		ne of	Issues		imber of
	initiatives to	initiatives taken	duration of	the	<i>.</i> .	addressed		rticipating
	address	to engage with	the	initi	ative			idents and
	locational	and contribute to	initiative				sta	.TT
	advantages	local community						
	and disadvantage							
	disadvantag							
Computer	es		1			1		
2017-18	Department		OCT 2017	Current	or of	1.Economic		No. of
2017-18	4		001/2017	Surve		conditions		NO. OI students:
				Taloj Villa		2. Male		200 - In
				Villa	ge	2. Male Female		
								group of
						participation and ration		5(40
						and ration		groups)

			3. Education, Schools, availability of teachers, Employability 4. Skills and technical education 5. Female participation, Social condition and Employment 6. Health and Huygens 7. Electricity supply and Street lights 8. Water and sanitation 9. Transportation facility 10. Knowledge of various Government schemes.	
	8/4/2018 to 14/04/2018	Samaj Kalyan scholarship	Document verification of nearby colleges has been done to release scholarship of eligible students	200
	14th June 2018	Static Career Guidance by Secretary MSBTE	Awareness to benefits of studying diploma in every branch of Engineering and its future aspects.	
	June5 & 6 2018	Admission Process	1.Admission process of First Year	No. of students:

				Engineering, 2.Application form filling, Option form filling & allocation of Institutes	approx. 500
	6	8/8/17	Cleanliness drive at Kharghar station	To clean Kharghar station premises and promote Swachh bharat abhiyan	No. of students: 40
		11/8/17	Cleanliness at navrang market	To clean market place and promote Swachh Bharath abhiyan	No. of students: 30
		2/10/17	Cleanliness at karnala fort	To clean karnala fort and create awareness among tourists visiting promote Swachh Bharath abhiyan	No. of students: 23
		25/9/17	Blood donation camp	To create awareness about blood donation process and help needy patients with blood donation	No. of students: 195 No. of staff: 05
		3/10/17	Cyclothon	To motivate peoples to use bicycles, conserve fuel and save environment	No. of students: 16 No. of staff: 01

Activity	Duration (fron	nto) Numb	er of participants	
Handbook on " Code Ethics and conduct" 7.1.6 Activities condu	, 17/09/2		 and effective institute. The and Women' cell meets represent the grievance of the grievance. The grievance of the grievance of the grievance of the grievance of the the grievance of the Print Chairmant. As per the taken there of the grievance of the taken there of the grievance of the taken there of the taken the taken there of the taken there of the taken the taken there of the taken tak	/complaint receive ed on its nature s conceded by the ncipal who is also of the cell. e cell report the ac reon. d, the Principal set ommittee to study e matter.	of the evance II. The ate the es the de of kamine can be can can be can
Title	Date of Publica	tion	Follow up (m each)	aximum 100 word	ls
Code of conduct (hand					
7.1.5 Human Values a	nd Professional Ethic	·s	kharghar station	swachh bharat abhiyan	
			in societies near	among peoples and promote	16
		26/1/18	Cleanliness awareness	awareness	No. of studen

	,	
Activity name	Duration	Number of participants
Women Empowerment	12/10/2017	300
Taloja Gaon Survey	13/10/2017	11

Guru Poornima	27/07/18 (2pm to 4pm)	50 members
Reviving old smiles(charity event for old age)	Oct 2017	30
Construction of Ferrocement Water Tank at Borimal Pada	24/12/2017 to 30/12/2017	72
Seminar on Civil Services	19/01/2018	350
Ride for Pride	09/\02/2018 (3pm to 8pm)	87 organization committee Members, 78 bikers, 1670 audience
Youth Exodus	28/03/2018	300
Maa Tuzhe Salam	04/10/2018	310
Blood Donation	4/10/2018 (10am to 4pm)	230 members
'NURTURE' Skill Development Program FE- All Branches SE-Automobile SE- Computer SE- Mechanical-A SE- Mechanical-B SE- Mechanical -C SE-IT SE- Extc-A SE-Civil-A SE-Civil-A SE-Civil-B SE-Civil-B SE-Civil -C 'NURTURE 'Skill Development Program Event- Nurture Youth Uprising (All branches SE)	2016 - 17 $18/01/2016 - 06/04/2018$ $30/01/2018 - 03/02/2016$ $16/01/2016 - 20/01/2016$ $22/02/2016 - 15/03/2016$ $26/09/2016 - 29/09/2016$ $03/10/2016 - 06/10/2016$ $09/01/2017 - 13/01/2017$ $01/08/2016 - 05/08/2016$ $23/08/2016 - 11/08/2016$ $23/08/2016 - 26/08/2016$ $29/08/2016 - 01/09/2018$ $06/03/2017 - 10/03/2017$	580 70 74 81 63 65 62 70 68 66 600
'NURTURE'- Personality Development Seminar (DSE Civil & Extc)	22/02/2017	32

'NURTURE' Skill		
development Corporate		
Readiness Seminar	19/07/2016	204
BE- Mech (A, B, C)	15/07/2016	71
BE- Computer		
	21/07/2016	75
Corporate readiness,		
Group Discussion &		
Interview Guidelines		
BE- Registered		
students(Navy)		
'NURTURE' Skill		
Development Program	2017 - 18	
(Personality		
Development, Soft skill		
& Communication skill)		
		504
FE- (All Branches -Div	22/01/2018 22/02/2018	504
A-G)	22/01/2018 - 22/03/2018	7(
SE- Information	29/01/2018 - 01/02/2018	76
Technology	29/01/2018 - 01/02/2018	72
SE- Computer SE-Mechanical-A, C	05/02/2018 - 08/02/2018	72 75
SE-Mechanical-A, C	12/03/2018 - 08/02/2018 12/03/2018 - 15/03/2018	75
	12/03/2018 - 15/03/2018 12/02/2018 - 15/02/2018	/ 1
'NURTURE' Skill	12/02/2010 - 13/02/2010	600
Development Program	06/03/2017 to 10/03/2017	000
Event	00,03,2017 (0 10,03,2017	
Youth Uprising		
All Branches-SE		

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

- 1. Implementation of Go green concept through presenting visitors, guests, participants in various activities by giving sapling as a token of appreciation.
- 2. Avoidance of plastic means.
- 3. Reduction in paper work.
- 4. We motivate faculty to use carpools as per their convenience for optimal use vehicles and avoid pollution

- 4. We encourage the students to use college transport system for conveyance resulting in reduced use of personal vehicles and waste of fuel
- 5. Eco friendly Ganesha & Diwali Festivals Celebration.

7.2 Best Practices

Describe at least two institutional best practices

1). 4-I Model

The concept of 4-I model is primarily focused on strengthening the teaching learning process and quality enhancement in all aspects and continuous improvement in all levels and holistic development of the students

The 4- I model comprises of

a).Students satisfaction index

Student's satisfaction through teacher's feedback: Teacher 's feedback is obtained twice in semester and corrective measures are taken accordingly for effective teaching learning. It is observed that student's satisfaction has improved substantially in last year's owing to effective teaching learning process.

b). Parent's satisfaction Index

Parent's satisfaction through teacher's feedback: parents teacher meeting(PTM) is arranged every semester so that the parents are aware of their wards performance in academics and the efforts taken by the institute for the growth of the students through extracurricular activities and the infrastructure facilities provided by the institute for the students. It is observed that there is a continuous improvement in parent's satisfaction index over the years last four years because of effective teaching learning process.

c). Alumni Satisfaction Index

Alumni's satisfaction through overall feedback: Our alumni are our great assets .They are portraying the vision of the institute in the outside world and their performance and their wellbeing us are main priority. To strengthen our academic process and other activities that will help our present students to be industry ready in all aspect ,SOE arrange alumni meet every year wherein the alumni opinion is noted in respect to add on courses to be added to bridge the gap between the curriculum and industry requirements .Feedback is obtained once in year and corrective measures are taken accordingly. It is observed that Alumni satisfaction has improved significantly in over last years

d). Employer's satisfaction index

Feedback is obtained once in year from employers for their requirement to make our students industry ready and corrective measures are taken accordingly. It is observed that Employers satisfaction has sustained in last four years

2. By the students and for the students

Better learning happens in an informal environment with enjoyable friendly learning experiences, Saraswati college of engineering had established this innovative concept in 2012-13 of "by the students for the students." which has gain momentum and has become our best practice over the years and more and more activities are conducted by the students for the students

The five core propositions that made this practice popular were : 1) commitment of students for learning, 2) readiness of experimentation and sharing of knowledge, 3) managing and monitoring student's learning, 4) Systematic team work and 5) output orientation and competitive spirit.

The Practice includes, choosing the expertise area, Diversification of students, Interaction between the students and management for the required logistics, Transfer of knowledge and Skills, competitive spirit, feedback for skill development.

The success of this practice is evident from Skill improvement and practical knowledge, internship ,Improvement in Organization skills ,Improvement in participation in project competitions, Improvement in research papers by students

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link Weblink: <u>http://engineering.saraswatikharghar.edu.in/wp-content/uploads/sites/6/2018/12/Best-Practices.pdf</u>

7.3 Institutional Distinctiveness

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust

1).Research Promotion

At Saraswati College of Engineering, R&D is pursued with the following objectives:

- 1. To acquire new scientific knowledge.
- 2. To design novel methodologies in all the fields of Engineering and Technology.
- 3. To develop new tools and techniques to expedite problem solving with special

emphasis on rural and socially relevant issues.

The Research Promotion Scheme of SCOE aims to nurture research culture in the institute by promoting research in newly emerging and challenging areas of science and engineering. It encourages the Undergraduate and Post graduate candidates to undertake the research in newly emerging frontier areas of science and engineering including multidisciplinary fields. This enhances the general research capability of budding technocrats by way of participating in conferences, seminars, workshops, project competition, etc.

The major R&D activities are as follows:

- External Funded Projects
- Publications in peer-reviewed Journals
- Faculty Development Programs, Conferences, Workshops, STTPs, Symposia etc. (attends and organizes)

• Procurement of high-end computational and laboratory equipments, and software for Research

- Deputation for Higher Studies
- Talks and Lectures by eminent researchers
- Industry Institute Interaction (Students and Faculty)
- Collaboration and MoU with Industry and R&D Organization

2). Holistic Development of Students

Saraswati College of Engineering Education System seeks to provide quality education for

all students, taking account of their age, background, ability, and interests.

To enhance effective learning and teaching by:

• Encouraging students to take responsibility for their own learning and behavior.

- Identifying and catering for the individual learning needs of students.
- Establishing well-managed teaching and learning environments
- Ensuring that learning activities build on prior knowledge and experiences and are socially and culturally relevant.

• Providing frequent opportunities for students and their parents to discuss learning programs

and student behavior and progress.

• Identifying key social skills and developing plans for all students to acquire them, or make progress towards them, over time.

Along with Effective Teaching and Learning Holistic Education of the students is an equally important factor which has been taken care of in the Institution

Holistic Education is a methodology which focuses on preparing students to meet any challenges they may face in life and in their academic career. The most important theories behind holistic education are learning about oneself, developing health relationships and positive social behaviors, social and emotional development, resilience, and the ability to view beauty, experience transcendence, and truth.

Holistic education notes that Students need to not only develop academically but develop the ability to survive in the modern world. They need to be able to rise and meet challenges presented to them in the future and contribute to the world in which they live Students need to learn to first value themselves, their worth, and recognize their abilities and how to be able to do what they want in life. Doing what they want ties into the relationships that they build and how they treat those relationships.

Through Holistic education The institute is ensuring that the students learn about their immediate relationships with their friends and family as well as social development, health, and intellectual development. It takes current cultural influences such as the media and music and teaches younger people how to be human.

SCOE has therefore made different clubs for the all-round development of the students ensuring Development in all spheres of work culture

Details of the club are displayed in the website

Research related data and different clubs for holistic development of students are displayed in the link

Weblink:<u>http://engineering.saraswatikharghar.edu.in/wp-</u> content/uploads/sites/6/2018/12/Institutional-Distinctiveness-n.pdf

8. Future Plans of action for next academic year (500 words)

- As awareness amongst students regarding energy conservation and waste management, the theme of final year projects of students was "Waste Management"
- Designing of automation modules through students
- NBA accreditation.
- To encourage more faculty to make use of webinar facility extensively.
- To promote self-learning and adaptation to technology among students.
- To enhance project-based
- learning.

GOAL I: -To develop an environment for the students to succeed at their highest level through high quality academic programs, co-curricular and extra-curricular activities and community outreach based programs

- Be among the highly respected institutions in the Navi Mumbai for undergraduate and post graduate studies in Engineering.
- Relentlessly pursue institutional effectiveness.
- Redefine PEO's and PO's.
- To initiate the Outcome Based Education, Monitor and Implement Effectively in view of NBA.
- To ensure fair access to and affordability of academic programmes for various sections of society.
- To enhance outreach programmes for the members of the backward community.
- To enhance the number of smart class rooms in the academic departments.
- To introduce fully e-based system for different administrative processes like, admission, result publication, etc.
- To support students. (meritorious and academically weak)
- To address student grievances.
- To conduct greater numbers of seminars and workshops of National and International importance at our campus.
- To arrange special programs for teaching/non-teaching staff.

- Expand the SCOE's global footprint and influence to ensure that it is graduating global citizens.
- Recruit, retain and enable a community of exceptional faculty and staff.
- To arrange interactive skill oriented training programs

GOAL 2: -Pursue research, consultancy, innovation, and entrepreneurship activities to address the grand challenges and opportunities of the future

- To motivate faculty for Industry-Interaction with objectives to get Sponsored Projects and Placement of Students.
- Ensure that innovation, entrepreneurship, and public service are fundamental characteristics of engineering graduates.
- To strengthen industry linkages.
- Pursue research, consultancy, innovation, and entrepreneurship activities to address the grand challenges and opportunities of the future.
- To enhance collaborative research among the departments and to take initiative for inter-institutional collaboration
- To sign MOU with industries to get Industry Sponsored Projects and Internship, Training of Students.
- Sustain and enhance excellence in scholarship and research.

GOAL 3: -Enhance Engagement with Society and Industry

Enhance Alumni Engagement Alumni have been key stakeholders in the Institute's evolution and growth. Alumni achievements have been a source of pride for the Institute and have contributed significantly in society. The Institute has been recognizing alumni with Distinguished Alumnus, Young Alumnus and Distinguished Service. The Institute has more than 5,000 alumni. The Institute will make efforts to enhance the engagement with all alumni. The focus will be on a two way interaction. The Institute is committed to lifelong involvement with all students who will continue to be part of the SCOE family even after they graduate. The Institute will build its engagement on adding value and support to the alumni in their careers and professions with specialized training, lectures, access to the latest research and help with networking.

• To strengthen alumni participation

- To increase participation in Institutional Social Responsibility (ISR) and Extension activities
- To strengthen National and International linkages.
- To strengthen the liaison among the stakeholders like, students, teachers, parents, employers etc

GAOL 4: - Develop a Cleaner and Greener Campus

The Institute is committed to grow sustainably and develop as a model clean, green campus. The existing Green Campus Committee which consists of representatives from students, faculty and staff decides campus policies to promote sustainable practices and maintain the flora and fauna of the campus. Initiatives will include energy efficient appliances, increased use of renewable energy, improved solid waste and waste water management systems. The campus will move towards a reduced energy and carbon footprint (low carbon campus) and a zero-discharge campus. New innovative technologies for energy, waste management and emissions control will be showcased on the campus and their viability assessed.

- To fulfill our social obligations, arrange different programs through NSS.
- To protect the environment. We plan to conduct an Environmental Audit.

Name: Prof. Sheetal Bhujade

Shertal

Signature of the Coordinator, IQAC

Name: Dr. Manjusha Deshmukh

Signature of the Chairperson, IQAC

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Abbreviations

I.T.	: Information Technology
E & TC	: Electronics & Telecommunication
F.E.	: Humanities & Engineering Sciences
NET	: National Eligibility Test
SET	: State Eligibility Test
UPSC	: Union Public Service Commission
R & D	: Research & Development
HOD	: Head of the Department
Dept.	: Department
FDP	: Faculty Development Programme
QMS	: Quality Management System
MU	: Mumbai University
UG	: Under Graduate
PG	: Post Graduate
CBCS	: Choice Based Credit System
РСВ	: Printed Circuit Board
IOT	: Internet of Things
GRE	: Graduate Record Examinations
TOEFL	: Test of English as a Foreign Language