Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**SHIVAJIRAO S. JONDHALE COLLEGE OF ENGINEERING, DOMBIVLI EAST**
Name of the head of the Institution	**DR. JAGDISH WASUDEORAO BAKAL**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**+918850578499**
Mobile no.	**9594962007**
Registered Email	**bakaljw@gmail.com**
Alternate Email	**principal@shivajiraojondhalecoe.org.in**
Address	**B/H Venkatesh Petrol Pump Sheel-kalyan Road Sonarpada Post Manpada Dombivli East Dist Thane - 421204.**
City/Town	**Dombivli East**
State/UT	**Maharashtra**

Pincode	**421204**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Smita A. Lonkar**
Phone no/Alternate Phone no.	**02512872560**
Mobile no.	**9869062125**
Registered Email	**smitalonkar@gmail.com**
Alternate Email	**hodextc@shivajiraojondhalecoe.org.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.shivajiraojondhalecoe.org.in

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://shivajiraojondhalecoe.org.in/Academic%20Calender/

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B+**	**2.60**	**2019**	**09-Sep-2019**	**08-Sep-2024**

6. Date of Establishment of IQAC	**15-Jul-2017**

7. Internal Quality Assurance System

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

IQAC		
First Year Induction Program	27-Jul-2018 5	179
MOU signed with Delta Marine & Offshore Services, Kalyan	01-Jan-2019 730	180
Appointment of college SPOC for Smart India Hackathon-2019	09-Jan-2019 01	100
[View File](#)		

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Not Applicable	Not Applicable	Not Applicable	2018 0	0
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View File](#)
10. Number of IQAC meetings held during the year :	**2**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

Smart classrooms are available for each departments.

Online feedback taken through MIS.

Submission of IIQA on 9th February 2019.

Course plan, Syllabus coverage and students attendance was taken using ERP software.

Plagiarism checker was made available.

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

Plan of Action	Achivements/Outcomes
Arrangement of smart class rooms	Necessary arrangement for smart Classrooms was done.
Modification of Academic Record book	Modified Academic Record Book was made available to the staff Members.
Improvement in feedback mechanism was suggested	Online Feedback mechanism was implemented.
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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	20-Aug-2019
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	14-Jan-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	ERP facility has following modules… • Faculty information system started using this module from august 2018 onwards. The module has information of each faculty. The information includes personal details, academic details,bank details, research work, experience, publications, subject etc. of each faculty. • Feedback Mechanism module was started from October 2018 onwards. The module will able to take feedback such as faculty feedback, course feedback etc. • Attendance Management, Syllabus Coverage System, Learning

Material Distribution started using this module from January 2019 onwards. Faculties can upload their lesson plan and supporting learning material. Learning material is shared with students. Faculties can fill attendance through this module. Admin, Principal can verify the filled information. • Alumni Information System started using this module from February 2019 onwards. The module is able to register alumni and maintain details of them. • E Notice Management started using this module from June 2019 onwards. The module is used for sending notices through ERP system. Online Examination The module is used to take various exams like aptitude test. Library Management System Books issue and return can be done. Students can access library database. Grievance redressal System Students can login the complaints on this portal and viewed by Grievance Redressal committee. Teacher Guardian – This can be media between teacher and parents of students. • For Administrative office we are currently using Students Information Module and fees collection system. This system has principal portal, students portal, faculty portal, and alumni portal where respective information can be accessed.

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

Shivajirao S. Jondhale College of Engineering is affiliated to University of Mumbai & follows the curriculum prescribed by the University. The college has strategized ways & means to strengthen the teaching learning process. • Before the start of each academic year university issues a detailed academic calendar with the details about the date of commencement of each semester, oral and practical examinations, Term end, end semester exams etc. • Based on University Academic calendar, the institute prepares its own academic calendar well in advance before the start of the semester. It includes internal assessment schedule, university examination schedule, schedule for co-curricular and extra-curricular activities. • Head of each department allocates theory and laboratory work load to faculty members according to their choice. The department time table for each semester is prepared to indicate specific class & laboratory hours. The class time tables are displayed on common notice board. Final year projects are also decided and allotted as per interest area of students. • Every faculty member maintains course files which contain lesson plan, notes, previous year question papers and academic record book . Laboratory manuals are prepared so that students can understand and correlate

theory with practical application. • The college encourages its faculty members to attend orientation programs to improve the teaching learning process. The college provides ample books, reference materials to ensure effective delivery of the curriculum. Various bridge courses are conducted for the first-year students to analyse and understand the fundamental concepts. • Weak students with respect to academics are identified and remedial classes are arranged for them. Guest lectures, seminars, Add-on and value-added programs are conducted to supplement the curriculum inputs. Effective delivery in the analytical subjects is ensured by conducting tutorial classes as per the time table. • Faculty members encourage the students to do innovative project work. They are motivated to do research work and to present papers in seminars and conferences and also publish in journals national and international repute. The head of the department and the Principal do a periodic review of the syllabus covered by the faculty members and monitors the student attendance. • To monitor the performance of the student, Internal Assessment Tests are conducted twice in a semester along with regular assessment. It is ensured that 40% of the syllabus is covered before the first Internal Assessment test and 70% of the syllabus is covered before the second Internal Assessment test. Oral/Practical examinations are conducted as per university norms before university theory examinations. To strengthen the bond between teachers and students the teaching faculty is entrusted with the task of mentoring 15 - 20 students on academic and personal issues.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
Not introduced	Not introduced	Nil	0	Not introduced	Not introduced

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nill	Not introduced	Nill
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Chemical Engineering	02/07/2018
BE	Computer Engineering	02/07/2018
BE	Electronics and Telecommunication Engineering	02/07/2018
BE	Information Technology	02/07/2018
BE	Mechanical Engineering	02/07/2018
BE	Production Engineering	02/07/2018

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

	Certificate	Diploma Course
Number of Students	1060	Nil

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Process Engineering	01/04/2019	55
Amazon Web Services	01/09/2018	60
Internet of Things-Arduino	20/04/2019	60
Basic of vehicle dynamics and fibre moulding	19/10/2018	50
Product design and 3D Printing	03/07/2018	44
	[View File](#)	

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Chemical Engineering	45
BE	Computer Engineering	10
BE	Electronics and Telecommunications Engineering	18
BE	Information Technology	4
BE	Mechanical Engineering	22
BE	Production Engineering	56
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

The stakeholder's feedback is considered as a valuable source of information to measure their level of satisfaction. The institution has a well defined policy to conduct a feedback process every semester to improve the teaching learning process, infrastructure, and the entire learning experience for the students during their tenure. The college has initiated an online feedback system (ERP) to obtain feedback on academic (subject), faculty, facilities, and various academic activities. Feedback form/formats are designed for the stakeholders. This includes faculty feedback, alumni feedback, student feedback, course exit survey, etc. Students: Faculty feedback from the students for the respective course is taken twice in a semester on various teaching/learning aspects and it

is analysed by the HODs and corrective measures if any, are informed to the respective faculties for further improvements. Course exit feedback and program exit feedback are taken to analyse the understanding capability of the students. Feedback about the infrastructural facilities is taken from the final year students at the end of the program for improving the lab facilities, if any. The feedback so obtained is analysed for further improvement. Parents: Feedback is also collected from the parents during Parent Teacher Meetings (PTMs) that are organized by each and every department of the college. Suggestions and comments given by the guardians are also taken into account for future development. Alumni: Feedback is taken from alumni for suggestions or improvements in the curriculum and it is conveyed to the Chairman, BOS of the respective programmes of University of Mumbai. Feedback from faculties are also taken for their suggestions in syllabus revision based on alumni suggestions, various Add-on and Value added courses are organized in the department to meet the industry requirement. Industry: Feedback is also collected from the companies. This feedback is discussed in meeting of training and placement cell. Experts: The views expressed by the experts who visit the institute during Add-on programs, seminar, guest lecture on the current scenario and requirement of industry are also incorporated. Suggestion boxes are installed in the premises which are accessible to all the stake holders so that they can give their feedback/ suggestions for improvements. Action Taken Report is submitted by HODs to IQAC to complete the cycle of corrective measures and this cycle is repeated every year.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	CHEMICAL ENGINEERING	60	26	26
BE	COMPUTER ENGINEERING	90	64	64
BE	ELCTRONICS AND TELECOMMUNICATION ENGINEERING	60	18	18
BE	INFORMATION TECHNOLOGY	40	25	25
BE	MECHANICAL ENGINEERING	60	38	38
BE	PRODUCTION ENGINEERING	60	8	8
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2.2 – Catering to Student Diversity

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

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

2018	1384	Nill	89	Nill	89

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
89	69	4	13	7	7

View File of ICT Tools and resources

View File of E-resources and techniques used

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

In today's stressful life every student wants some support system. So mentoring plays an important role . Mentoring gives students a friendly environment and guarantees them that there is someone to care about them. Mentoring helps them to take new challenges coming before them everyday. Mentoring connects a student to personal growth and overall development. It helps the students to build their confidence and sense of humor in th lifelong teaching learning process. Mentors guide students to excel in their academic goal. Few objectives of Mentoring : 1. To focus and motivate students to achieve learning goals and thereby improve their academic performance. 2. To generate interest in academic and extracurricular activities among students. 3. To prepare weaker/Slower students for competitive exams 4. Encourage the students to attend various outside industrial workshop and internship in summer vacation. 5. To support and motivate for participation in national and international conferences and project competitions such as Smart india Hackethon, Avishkar Mentoring process: 1. Mentors are assigned for First, Second, Third and final year students. Each mentor is for a group of 15-20 students as per respective class strength. 2. Mentors conduct atleast one meeting in every semester, however students are free to meet their respective mentors anytime. 3. Counselling is provided for academically weaker students. 4. Mentors Communicate with students parents if needed. Guidelines for Mentors: 1. Communicate effectively and provide timely, honest and thoughtful responses to the students 2. Give plenty of room for students to speak or ask questions and have a healthy environment in meeting place 3. Mentors should talk to students very patiently 4. Mentor gives students idea on how to manage their time better and effectively. 5. Mentor should develop positive thinking in the students. 6. If any reluctant attitude of student or lack of improvement in behavior of student is identified, discussion with parents should be initiated.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1384	89	1:16

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
100	89	Nill	7	6

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
Nill	Not received	Nill	Not received

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester- end/ year- end examination
BE	3193612	V	12/12/2018	12/02/2019
BE	3193246	V	12/12/2018	05/02/2019
BE	3193372	V	12/12/2018	05/02/2019
BE	3193245	V	12/12/2018	05/02/2019
BE	3193507	V	12/12/2018	28/02/2019
BE	3193507	VII	14/12/2018	15/02/2019
BE	3193245	VII	14/12/2018	18/02/2019
BE	3193372	VII	14/12/2018	06/03/2019
BE	3193246	VII	14/12/2018	06/03/2019
BE	3193612	VII	14/12/2018	01/03/2019

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

We Shivajirao S. Jondhale College of Engineering Dombivli (E) strictly follow evaluation reforms instructed by University of Mumbai. Induction program were arranged by institute for the newly admitted students to make them aware about marking scheme, examination pattern, internal assessment and grading system. At institute level two internal assessment tests per semester are conducted for each subject and results are declared within a week. Test 1 is based on 40 syllabus and Test 2 is on 70 syllabus. The average of tests marks is considered as internal assessment marks of Semester End Examination. Question bank is provided to students. It is mandatory for every concerned subject teacher to prepare and submit synoptic answering and marking scheme for test papers as well as university papers. Model answers are discussed in class, which helps learners to know their shortcomings The evaluation of term work contains journal marks, assignment marks, case studies, mini project, attendance and performance in laboratory. The evaluation pattern is as prescribed by the University of Mumbai. Oral and practical examinations are conducted after the end of semester. For smooth conduction of End Semester Examination, examination cell in-charge prepares guidelines and conduct meetings to convey these guidelines to the supervisors. Masking, coding and decoding method is used to handle all answer sheets securely. On screen evaluation is done for university examinations (Semester I,II,VII and VIII) by respective subject teacher. Revaluation and verification of marks and result at institute level is done by expert faculty members appointed by institute. Effective and careful scrutiny has done after assessment for college level examinations and gadgets are prepared. Students are guided for submission of applications for revaluation and photocopy of answer book. Student's performance and its analysis are done through result analysis.

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

The University of Mumbai publishes in advance, the academic calendar for curricular activities. The institute academic calendar in concurrence with the University calendar is prepared in advance before the commencement of the semester. The institute academic calendar consists of dates for commencement of

classes for odd and even semesters, dates for commencement of internal assessments, sports, cultural festivals, technical festivals, Parents Meeting, term end, test I and II, Practical Examinations and theory examination and commencement of new term. The departmental academic calendar additionally consists of departmental STTP, FDP, add-on courses, value added courses, remedial classes, submission, oral and practical examination etc. The policies and action which are planned by IQAC are executed during the entire session. The institution adheres to the academic calendar for the conduct of Continuous Internal Evaluation (CIE). The schedule of internal assessments are communicated to students and teaching staff through institute's academic calendar. For effective implementation of continuous Internal Assessment system at the institute level, the institute conducts two tests per semester. Test papers are set based on course outcomes and in consultation with Head of department. The answer books are shown to students after evaluation providing sufficient transparency and accountability. The schedule for end semester examination is communicated during semester when schedule is released by the University of Mumbai. The institute forms internal squad committee, examination committee for smooth conduct of examinations. The faculty of institute is relieved for university duties related to evaluation, conduction and flying squads for examinations. For examination and documentation works, the institute has appointed Examination-In-Charge as per guidelines given by the University of Mumbai. Examination cell Committee communicates with junior supervisors, understudy supervisors and senior supervisors about examination related work. Duration of paper assessment is clearly decided (i.e. assessment should be done within 5 days) The students are the main stakeholders in any education imparting Institute and it's our endeavor to make all efforts to ensure transparency in all the activities at various stages. Taking this spirit in consideration, the institute has decided to frame mechanism for examination related grievances. The students can approach the teachers, in case they need a clarification on the award of marks. Here, teacher clarifies doubts regarding evaluation. Once results are declared student can apply for photocopy and revaluation, if they found any discrepancy in the photocopy they report to exam section. The exam section committee decides what to do in the case of grievances as each case is different. Students can apply for grievances by one of the following ways 1. If the total is incorrect: The institute verifies the details in available records and guides the students with possible solutions at institute level or refers them with proper document to the University. 2. If some questions are not checked: After result is declared, students can apply for photocopy and revaluation within stipulated time.

2.6 – Student Performance and Learning Outcomes

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

http://shivajiraojondhalecoe.org.in/naac1819/criteria2/2.6.1/2.6.1_1554286314_2477.xls

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
3193507	BE	Chemical Engineering	71	69	97
3193245	BE	Computer Engineering	114	107	94

3193372	BE	Electronics & Telecommunication Engineering	71	64	90
3193246	BE	Information Technology	51	49	96
3193612	BE	Mechanical Engineering	77	69	90
3193606	BE	Production Engineering	56	54	96

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2.7 – Student Satisfaction Survey

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

https://shivajiraojondhalecoe.org.in/naac1819/NAAC%20SSS/

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Total	0	nil	0	0

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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Significance of Intellectual Property Rights in Significance	ALL BRANCHES - BE	14/03/2019
Career Opportunities for Mechanical Engineers	MECHANICAL - TE/BE	03/04/2019
Workshop on Personality Development amp Aptitude Test	ALL Year participants - BE/TE/SE/FE	14/03/2019
Opportunities in Media amp Entertainment	Computer/Extc/Information Technology/Mechanical/Production/ Chemical TE/BE	28/02/2019
Careers in Digital Marketing	COMPUTER/ EXTC/ MECHANICAL/ INFORMATION TECHNOLOGY -TE/BE	15/02/2019
Soft Skills	COMPUTER/ EXTC/ MECHANICAL/ INFORMATION TECHNOLOGY /PRODUCTION/ CHEMICAL TE/BE	07/02/2019

Career in Project Management	COMPUTER/EXTC/INFORMATION TECHNOLOGY - BE	02/02/2019
Internet of Things	COMPUTER/ INFORMATION TECHNOLOGY/EXTC BE	05/10/2018
Current Trends in IT Industry	COMPUTER/ INFORMATION TECHNOLOGY/EXTC TE/BE	06/09/2018
Aptitude Training Soft Skills	ALL BRANCHES TE BE	30/08/2018
Internship Opportunities in IT Industry	COMPUTER/ INFORMATION TECHNOLOGY	23/08/2018
Aptitude Test	COMPUTER/EXTC/INFORMATION TECHNOLOGY/MECHANICAL/PRODUCTION/ CHEMICAL	14/08/2018
Overseas Education	COMPUTER/EXTC/INFORMATION TECHNOLOGY/MECHANICAL/PRODUCTION/ CHEMICAL	02/08/2018
Emerging Trends in Data Science	COMPUTER/EXTC/INFORMATION TECHNOLOGY	26/07/2018

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
WON district round for Research work on Extraction of Caffieine from tea Leaves	Shreyans Pagariya Group	Mumbai University -AVISHKAR RESEARCH CONVENTION	23/12/2018	Undergraduate Students
Design and Develpoment of Hubless Motorcycle	Priyank Ingle Group	Maharashtra State Innovation Society, Start up India ,Maharashtra	19/10/2018	UG Students
Design and Manufacturing of Conductor Crawling Robot	Praful Mulik Group	Maharashtra State Innovation Society ,Start up India,Maharashtra	19/10/2018	UG Students
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
0	NIL	NIL	NIL	NIL	01/12/2019
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International

0	0	0

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

Name of the Department	Number of PhD's Awarded
NOT APPLICABLE	Nill

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	COMPUTER	34	5
International	Chemical	2	3.9
International	Electronics and Telecommunication	2	3.45
International	Production	1	7.52

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

Department	Number of Publication
Computer	1
EXTC	2
IT	2

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Refer uploaded file	Refer uploaded file	Refer uploaded file	2018	0.538	Refer uploaded file	1

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Refer uploaded file	Refer uploaded file	Refer uploaded file	2018	1	1	Refer uploaded file

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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Presented papers	Nill	4	4	Nill

3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Marathi Bhasa Din	Marathi Vangmay Mandal	2	78
Ch. Shivaji Maharaj Jayanti	Marathi Vangmay Mandal	2	25
National Science Day	SSJCOE	4	113
Expert Lecture on Digital Forensics	EXTC Dept	2	48

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

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

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Social Awareness	SSJCOE	National Science Day	4	113
Social-Cultural Awareness	Marathi Vangmay Mandal	Marathi Bhasa Din	2	78
Gender Issues	Womens Development Cell	Womens Day Fitness session	2	45
Women Health Awareness	Tata Memorial Hospital	Breast Cervical Cancer Awareness Campaign	2	73
Voter Awareness Programme	KDMC	VVPAT EVM Awareness	2	222
Swachh Bharat	SSJCOE	Cleanliness drive	2	50
Health Checkup	Unicare health center, Dombivli east	Health Checkup	5	60

Health Camp	Tata Memorial Hospital	Anti Tabacco Anti Smoking Awareness Campaign	2	92
Social- Cultural Awareness	Marathi Vangmay Mandal	Ch. Shivaji Maharaj Jayanti	2	25
Industry Awareness	EXTC DEPT	Expert Lecture on Digital Forensics	2	48
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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
00	00	00	00
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Industry Job Training	Research Program	Please refer the attached filE	05/11/2018	13/04/2019	PROD(57)
Student Internship	Training program	Please refer the attached filE	05/01/2019	02/07/2019	CHEM(10)
Student Internship	Training program	Please refer the attached file	14/12/2018	19/07/2019	MECH(22)
Student Internship	Training program	Please refer the attached file	16/02/2019	27/12/2019	EXTC(18)
Student Internship	Training program	Please refer the attached file	15/06/2018	14/04/2019	IT(7)
Student Internship	Training program	Please refer the attached file	16/02/2019	16/03/2019	COMP(8)

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
WE9 Design Works, Dombivli	17/12/2018	Product Design of 3D Printing	41
Centre of Excellence in Maritime and Shipbuilding, Mumbai	04/12/2019	Course conducted on Diploma in product life cycle management	8
Eduvance Pvt. Ltd.	15/04/2019	Hands worshop on Microprocessor Development Boards	23
Techno-Jack Infosolutions	25/07/2018	Workshop onInternet of Things - Arduino	20
View File			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
196	142

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
View File	

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
LIBRARY MANAGEMENT SYSTEM (WEB) -STANADARD	Partially	-	2019

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total

Text Books	34544	12854211	586	334652	35130	13188863
Journals	80	250450	Nill	Nill	80	250450
Library Automation	1	162750	1	17970	2	180720

No file uploaded.

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr. Uttara Gogate	Image Processing-image Enhancement in spatial domain	Video lecture	01/08/2019
Prof. Amey Shirodkar	Electro-Pneumatic Circuit | Mechatronics	Video lecture	31/07/2019
Prof. Suvarna Patil	Canned Cycle with Absolute Form	Video lecture	30/07/2019
Prof. K.S. Deshmukh	Basic Electrical Engineering	Video lecture	06/08/2019

No file uploaded.

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	283	59	15	0	100	3	106	52	0
Added	180	78	0	0	0	3	86	0	0
Total	463	137	15	0	100	6	192	52	0

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

52 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Video lecture on institute website	http://shivajiraojondhalecoe.org.in/video-lectures/

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites

| 166 | 203 | 253 | 189 |

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 maintenance, repair and cleaning of college campus, equipment, laboratories, library, sports complex, computers, classrooms and other infrastructure and support facilities is done by external agencies appointed by College management. Two type of maintenance is done on regular basis 1. Daily Maintenance: Lab equipment's and instruments are maintained daily by lab in charge with the help of lab assistant and non-teaching staff. 2. Yearly or semester-wise maintenance: All the equipment's and instruments are checked by lab in charge with the help of lab assistant and non-teaching staff periodically. 1. Computer and support facility maintenance: AMC contract is given to external agency for the maintenance of all computers within the college. Staff from the AMC service provider company maintains the computers and peripherals. Internet connectivity, College website and network connectivity are maintained by Computer and IT departments. The purchases of new computers, printer refilling, antivirus etc. is supervised by the departments. Laboratory and other equipment are maintained by technical supporting staff. In case of any major repairs, service is hired from outside agencies. 2. Maintenance of Physical facilities: Each department lodges a complaint about the electrical and civil maintenance work and gives their requirements to Principal. These requirements are forwarded to management for getting sanctioned and work order is given to the concerned external agencies. The civil work related to renovation and maintenance of entire college building is carried out by external agencies on contract basis. 3. Maintenance and utilization of Library: The Librarian is in-charge of the library. Requirement of Books, journals or other facilities and any related maintenance is forwarded to management through Principal. SLIM 21 and ERP software are available in the library. Multimedia facility is also available for students and staff. 4. Maintenance of Sports complex: The Sport in charge looks after all the indoor and outdoor sports facilities as well as gymnasium. Student has to take permission from the sport in charge for the utilization of the same. Requirement of Sports Equipment and Accessories or other facilities and any related maintenance is forwarded by Sport in charge to management through Principal. 5. Maintenance of Classrooms: The Classrooms are maintained and cleaned daily. The Administrative staff in-charge supervises all these activities, Furniture and electrification of classrooms regularly. Separate class rooms are allotted to each department for conducting lectures and tutorials. Some physical facilities like seminar hall, workshops, drawing hall, computer centers and some Laboratory are shared by departments. For the proper utilization of these shared resources intimation and approval of the concerned in charge is essential. Other Maintenance Activities: • College is having Generator back up, which is also maintained by administration office staff. • Maintenance of garden, tree plantation, landscapes maintenance, external and physical beautification of the college campus.is done regularly. • Maintenance, cleaning, housekeeping, sanitary maintenance and cleaning of all class rooms, sports complex, laboratories and library have been outsourced. Respective departments supervise these activities. • Round the clock security on the college campus is done by external agency.

https://shivajiraojondhalecoe.org.in/naac1819/criteria4/4.4.2%20Maintenance/Maintainace%204.4.2%20dec2020.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 from institution	Shri.Dadasaheb H.Jondhale Merit Scholarship	59	89059
Financial Support from Other Sources			
a) National	SC/ST/OBC/SBC/VJ/NT/EBC Scholarship/Freeship	754	44697040
b)International	0	Nill	0
View File			

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Pls refer uploaded file for details.	03/04/2019	18	DFX Academy
Workshop on Personality Development Aptitude Test	14/03/2019	221	Hindustan Times Gilette
View File			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	Guidance for Competitive exams	621	Nill	10	Nill
2019	Career Counselling activities	Nill	1043	Nill	137
2019	Refer uploaded file for remaining entries	Nill	Nill	Nill	Nill
View File					

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

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

Nill	Nill	Nill

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
Refer uploaded file	Nill	Nill	Refer uploaded file	Nill	Nill
View File					

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	ENGINEERING	MECHANICAL ENGINEERING	Atharva Institute of Management	MBA
2019	1	ENGINEERING	CHEMICAL ENGINEERING	University of Wisconsin	MS
2019	1	ENGINEERING	COMPUTER	Southcarolina	MS
2019	1	ENGINEERING	INFORMATION TECHNOLOGY	North Eastern University	MS
2019	1	ENGINEERING	ELECTRONICS AND TELECOMMUNICATION	University Of Central MISSOURI	MS
2019	1	ENGINEERING	PRODUCTION	National Institute of Construction Management and Research	Project Engineering and Management
View File					

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
CAT	1
GRE	4
TOFEL	2
Any Other	3
View File	

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

Activity	Level	Number of Participants

Refer uploaded file	Refer uploaded file	Nill
[View File]()		

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	GOLD MEDAL, INDIVIDUAL SENIOR MALE	International	1	Nill	ME18D037	Ameya Jayant Shinde
2018	GOLD MEDAL, SENIOR MIX PAIR	International	1	Nill	ME18D037	Ameya Jayant Shinde
[View File]()						

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

The institute has a very active Student Council formed by a well-established process. The process starts with inviting applications from the students for the various posts of Student Council. It consists of General Secretary, Technical Secretary, Sports Secretary, Cultural Secretary, NSS representative, NCC representative and Ladies representative. A selection committee comprising of Principal, HOD's, In-charge Sports Director, Faculty Coordinator for Cultural and NSS In-charge is formed for the selection of the Technical, Cultural Sports Secretary, NSS, NCC Ladies representative from Third and Final year through an Interview process. The member of Student Council formed has representation from all the departments and together they act as a link between the students and the Institute. To ensure proper handing over of responsibilities from the previous council, the formation is done at the start of the odd semester of the academic year. The new council takes charge immediately after formation of Students council. The Student Council also forms various dedicated teams for tasks such as Marketing, Public Relations, Logistics, Fund Raising, Social Media Management, Multimedia Editing and Photography based on the student's interests. This helps the students to gain first-hand expertise and a better understanding of these fields. Several clubs such as music, dramatics, literary, robotics also works along with Student Council. The Student Council along with professional chapters and NSS plan organize all extracurricular events and prepare an event calendar. All the events are organized as per standard procedure set by the institute. The college allocates significant funds for the smooth conduction of all major activities. Alongside organizing the college festivals, workshops and skill development sessions are organized across the academic calendar. The members also play a vital role in various institute level committees like the college women development cell, anti ragging committee and IQAC committee. They are involved in all the activities that define the life of a student. Involving the students in various administrative bodies make them more responsible and strengthened their bonding with the institute. Right from the orientation of the first year engineering students to farewell of the Graduating students, the council plays an integral part in the organization and execution of these activities.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Shivajirao S. Jondhale College of Engineering Student Alumni Association (SSJCOEAA) has been registered with registrar of societies as per society act 1860(section21,1860) at Thane bearing registration number :Maharashtra/1081/2019/Thane. This Association is functional and formed with an objective to nurture a bond with alma mater, to enhance placement and internship opportunities and to also help in building up the network of the alumni. The Institute effectively networks and collaborates with alumni which have seen an increase in the number of alumni interacting with the students every year. The main objectives of the Alumni committee are •To have a platform where the alumni, existing students and staff of the institute can interact, renew old bonds with the Alma-mater, foster new ties and relive the nostalgic college moments. • To effectively network and collaborate with alumni every year which provide platform for the students to interact with their seniors in industry and get expert guidance as regards to professional requirements and industrial/emerging technological trends. • To increase assistance for Internships and Placement for current students. • Participation of alumni in activities contributing to the general development of the department /institute. • To provide feedback with respect to curriculum, facilities, developmental activities etc. The Alumni Committee is working very hard towards achieving these objectives. The Nonfinancial means through which alumni contributes to the Institute are as mentioned below • They help us to identify gaps in the curriculum through their structured feedback on curriculum in-order to keep pace with the recent advancements in industry. They suggest Add-on, Value Added course and Workshop to mitigate the gap. • They also contribute to enhance placement activities by informing about the recruitment drive arranged by their companies and guide them for interviews. • Establishing Memorandum of Understanding between the Institute and Alumni Entrepreneurs. Through these MOU with our college, our alumni have conducted seminars internship programs to inspire students which help them progress in their individual fields. • Our alumnus Mr.Chinmay Avinash Anaokar from Department of Computer Engineering conducted value added course on Amazon Web Services which benefited many students. • Our alumnus Mr. Karan Bahure from Department of Electronics and Telecommunication Engineering conducted value added course on "Internet of Things- Arduino under the organization Technojack Infosolutions which benefited Second and Third year students immensely. • Our alumnus Mr Vivek Tiwari from Chemical Department conducted Value added course on Process Engineering and Add- on course on the subject Role of Process Engineer for Final year students. • Our alumnus Miss Deepali Bhise from Department of Production Engineering conducted a seminar on "Guidance for Admission in USA" for final year students. • Our Alumnus Mr Swapnil Phadnis from Mechanical department conducted a workshop on "Disassembling of Maruti 800 engine" for final year students of Mechanical and Production Engineering. • Our Alumni has also contributed towards Internships and Placement for our students. Our alumnus Mr. Saket Divekar from Department of Electronics and Telecommunication Engineering is providing internship on 3D Modelling, Blender Software and Inkscape under the Organisation Ayravat Software.

5.4.2 – No. of enrolled Alumni:

469

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

02

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

The institute is working under the frame work of AICTE, DTE and University of Mumbai. The vision-mission of the institute have been decided with active participation of Alumina, Industry people, employers, parents, faculty members. The Principal in consultation with LMC/CDC sets the direction towards the fulfilment of vision mission through perspective plan. The Institution policy believes involvement of all staff in decision making and implementing the decentralized decision policy. Institute encourages participative management by involving faculty members for solving problems and taking opt decisions at various levels like CDC, IQAC, HOD for the effective growth of institute. Principal in co-ordination with HOD's, senior faculty members, appoint the coordinators and members of the committee. The coordinators review the work of committees for smooth functioning of co-curricular and extracurricular activities. Academic decentralization is done through Dean Academics in coordination with the support of HODs and teachers of various departments. Administrative decentralization is achieved through Registrar in coordination with office staff. Student affairs are dealt through Dean Students affair in association with faculty coordinators and student's council. Two practices of decentralization and participative management are as mentioned below. 1. The college annually organizes an intercollegiate level technical festival 'Colosseum'. Colosseum aims at boosting the technical skills and creativity of the students thereby helping them to gain technical, practical knowledge and promote the talent of students, to inspire the students by expanding their horizons beyond engineering. The Annual technical fest Colosseum is organized by college in odd semester. Colosseum consists of Radianze, Nirmiti, Resilience, Oscillation, Algorythm, Iteration which are organized by various departments. Principal, HOD's of all department and senior faculty members appoint faculty coordinator to conduct technical festival colosseum. The Students Council selection committee comprising of Principal, HOD's, Faculty In-charge for sports, Faculty In-charge for Cultural and NSS In-charge is formed for the selection of the various posts through an Interview process. The faculty coordinators, the institute level selected Students Council conducts the meeting and propose the plan to form various committees like inauguration, registration, project exhibition, technical quiz, publicity etc. 2. Computing Facility Development: The requirement of new computers with the latest configuration was asked from Computer and IT Department. The revision in syllabus for Computer and IT departments required latest configuration computers. The laboratory in charge faculty members initiated the requirement. Faculty in charge and Head of the Departments prepared the list of the best brands and specifications. Quotations were invited from the vendors and comparative statements were made by HOD of Computer and IT departments in consultation with Principal and Registrar. The final approval was obtained from the Management and Governing Council. Then the purchase order was issued. The required number of Computers were received by both the departments and Quality check was carried out. Thus, laboratory in charge staff, HOD, Registrar, Principal, Governing Council and the Management were involved in the process of procurement of Computers accomplishing the de-centralization and participative management.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	As per the process given by DTE. 1. The candidates do the online registration of application and upload the required documents for admission on website by selecting appropriate mode of scrutiny of application form. 2. The document verification and confirmation of application form for admission is done. 3. The provisional merit list of the candidates is displayed on the website. 4. Submission of grievance, if any for all type of candidates is done. 5. The final merit list of the candidates is displayed.
Human Resource Management	The Institute believes in strength of human resource which is a key for progress of any organization. Several employee welfare schemes are initiated for benefit of teaching and non-teaching staff. The Institute encourages faculty to attend workshops, STTPs, FDPs and conferences on recent trends to enhance the quality of teaching and learning process. Our institute motivates and encourages staff to pursue for higher studies by providing financial support and to undertake research work. The institute has performance appraisal system for the staff.
Research and Development	The 'research culture' is realized by the staff and students by publishing and presenting their research work in reputed journals, international and national conferences and also patent filing. The institute encourages the staff for research and Doctoral programs. State-of-the art Laboratories are available for teachers and students for research activities. A committee for Research and Development encourages the faculties to undertake research projects useful to the society funded by Government and non-Government agencies. The Institution has an Incubation centre and IPR cell for creation and transfer of knowledge. The institution regularly conducts workshop/seminars on IPR and Industry-Academia Innovative practices.

Teaching and Learning	To nurture critical thinking, creativity and scientific approach among students the institute imparts innovative methods for teaching and learning. The academic calendar is prepared in advance and is strictly followed to achieve better performance in all aspects. Along with the traditional method, faculty use ICT tools to instill technical knowledge and creativity in students. The process of attainment of COs, POs and PSOs begins with framing appropriate COs for each course from first year to final year. Considering the performance of students, teachers can modify the teaching learning process for the overall development of students and to achieve the POs.
Curriculum Development	CBCGS has been implemented by all the six programs with the department level elective for third-year and department level and institute level elective for final-year engineering, from the academic year 2016-17.Senior faculty members has contributed in designing syllabus. Value Added Programs and add-on programs are conducted for professional skill enhancement of students. Students are encouraged to take up internships in various industries. Social awareness and Community services are included in the students through NSS activities. The institute regularly conducts structured feedback on curriculum and teaching, learning process for corrective measures from Students, Teachers, Alumni and Parents.
Examination and Evaluation	Through induction program students are introduced to about the examination pattern, marking scheme, internal assessment and grading system. The evaluation pattern is as prescribed by the University of Mumbai. For smooth conduction of End Semester Examination, examination cell in-charge prepares guidelines. The institute follows the norms instructed by University of Mumbai to conduct examinations and evaluation. Effective and careful scrutiny is done after assessment for college level examinations and gadgets are prepared. The result analysis of final year student is done and tabulated. Revaluation is done as per guidelines given by University of

Library, ICT and Physical Infrastructure / Instrumentation	A well-furnished, air-conditioned central library with adequate reading room capacity, good number of text-books, reference-books, journals, periodicals, multimedia PCs to access E-journals. Library Management Software is accessible to students and staff. An ERP system is utilized by administrative office, library, faculty and students. Institute has adequate classrooms with ICT facilities and modern teaching techniques like smart-boards, LCD projectors, etc. The campus is spread over 15.25 acres accommodated with laboratories, classrooms, tutorial rooms, workshops, seminar-halls, drawing-hall, canteen, central library, computer-center, boy's and girl's common-rooms. Each department has Smart-classrooms and computer laboratories. It is well maintained with the support of external agencies.
Industry Interaction / Collaboration	Industry-academia related activities include training, student internships and industrial visits. For making collaborative endeavors formal agreements or understanding between the institution and industries have been signed under which various activities like training programs, workshops, seminars etc. are regularly conducted.

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

E-governace area	Details
Planning and Development	Yes, Veetrag Computers
Administration	Yes. It gives students information with all report. It is purchased from Microtech Whizkids and Twinkle IT Solutions Pvt Ltd
Finance and Accounts	Yes. M/S Vaishnavi Infosolutions and Microtech Whizkids
Student Admission and Support	Yes. It gives students information with all report. It is purchased from Microtech Whizkids and Twinkle IT Solutions Pvt Ltd
Examination	Yes. It generates the results of the students for all exams. It is purchased from Viva Software Solutions

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/	Name of the	Amount of support

Year		workshop attended for which financial support provided	professional body for which membership fee is provided	
2018	Prof. Smita Lonkar	Empowerment of IQAC NAAC new guidlines	nil	2500
2018	Prof. Rodge Pramod	nil	membership fee for CSI	2000
2018	Prof.Manisha Sonawane	nil	membership fee for CSI	2000
2018	Prof. Savita Sangum	nil	membership fee for CSI	2000
2018	Prof. Rodge Pramod	Empowerment of IQAC NAAC new guidlines	nil	2500
View File				

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Introduction to 4.0	nil	04/01/2019	05/01/2019	12	Nill
2018	Machine Learning	nil	08/09/2018	08/09/2018	19	Nill
2018	NA	One Day Workshop on Basic C onversatio n in EnglishBy Prof.Dr.Sa dashiv Kalyan	15/09/2018	15/09/2018	Nill	10
2019	NA	One Day Workshop on Develop ment of Softskills By Prof.Dr .Uttara Gogate	23/02/2019	23/02/2019	Nill	7
2019	One Day Workshop on Yoga By Jyotsna Su ryavanshiO	One Day Workshop on Yoga By Jyotsna Su ryavanshi	21/06/2019	21/06/2019	45	15

ne				

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Faculty Development ProgramFor Student Induction	4	06/06/2019	08/06/2019	3
Microprocessors and Microprocessor Labrotory.	1	18/07/2018	18/07/2018	1
Orientation progeamme for TE/Sem V/Computer Network (CSC-503) and Computer Network Lab (CSI-502)	1	12/07/2018	12/07/2018	1
Empowerment of IQAC NAAC new guidlines Chemical Engineering Thermodynamics Laboratory for Undergraduates The Industry-Academy Interaction programme Orientation progeamme for TE/Sem V/Computer Network (CSC-503) and Computer Network Lab (CSI-502) Ori	2	16/07/2018	07/04/2019	7
Chemical Engineering Thermodynamics Laboratory for Undergraduates	1	24/06/2019	29/06/2019	6
The Industry-	1	30/04/2019	30/04/2019	1

Academy Interaction programme				
Orientation Progeamme for the subject Theory of Computer Seience	1	13/07/2018	13/07/2018	1
Mini Project.	1	05/04/2019	05/04/2019	1

View File

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
89	89	47	47

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1 Encouragement for the faculty for attending workshop ,conferences, seminars ,short term courses and faculty development programme 2 The institute provides Teachers sponsorship to pursue for higher studies (M.E., M. Tech P. hd.) 3 Encourages the faculty to become member of professional bodies and to participate in the activities organized by them. 4 Encourages the faculty to visit the industry in their domain . 5 Promotes and motivates the faculty to use ICT tools in their teaching learning process.. 6 Encourages the faculty for publication of research papers in Journals or conferences. 7 Institute provided Mede claim policy for all . 8 The institute provides ten days paid and 20 days half paid medical leaves per year to all. 9 The institute provides study leaves to acquire the higher education to all	1 Institute provided Mede claim policy for all . 2 The institute provides ten days paid and 20 days half paid medical leaves per year to all . 3 The institute provides paid maternity leaves to all female employees as per rules. 4 Casual leave facility is provided to all as per rule. 5 Institute organizes free Eye checkup and health checkup camps to ensure the better health of all the employees. 6 Institute organizes training programs as per the need for skill development of non teaching staff. 7 Gratuity is received by an employee in gratitude for their services offered to the institute. 8 Employees Provident Fund facility is provided to the staff. 9 The institute provides summer and winter vacation for teaching and supporting staff. as per University of Mumbai guidelines .. 10 Provision of canteen	1 Provision of canteen in the campus. 2 Provision of on campus Gym facility. 3 Provision of 24/7 on campus security. 4 Sanitary Napkin Vending Machine is installed. 5 Provision of ample secure parking area is provided. 6 First aid facility and Doctor on call is available. 7 Building Insurance ,Fire and safety provision. 8 Accidental Insurance Policy for all Students.

teaching staff. 10 The institute provides paid maternity leaves to all female employees as per rules. 11 Casual leave facility is provided to all as per rule. 12 Institute organizes free Eye checkup and health checkup camps to ensure the better health of all the employees. 13 Gratuity is received by an employee in gratitude for their services offered to the institute. 14 Employees Provident Fund facility is provided to the staff. 15 The institute provides summer and winter vacation for teaching and supporting staff. as per University of Mumbai guidelines .. 16 Provision of canteen in the campus. 17 Provision of on campus Gym facility. 18 Provision of 24/7 on campus security. 19 Sanitary Napkin Vending Machine is installed. 20 Provision of ample secure parking area is provided. 21 First aid facility and Doctor on call is available. 22 Accidental Insurance Policy for all Staff Members. 23 Building Insurance ,Fire and safety provision.	in the campus. 11 Provision of on campus Gym facility. 12 Provision of 24/7 on campus security. 13Sanitary Napkin Vending Machine is installed. 14 Provision of ample secure parking area is provided. 15 First aid facility and Doctor on call is available. 16 Accidental Insurance Policy for all Staff Members. 17 Building Insurance ,Fire and safety provision.	

6.4 – Financial Management and Resource Mobilization

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

The Institute has an effective mechanism for auditing the Institute accounts. The auditing process of SSJCOE takes place in two stages External audit and Internal audit. Chartered accountant audits the accounts of the institute regularly as per the rules and guidelines. The external auditor is appointed by the trust who executes the statutory audit and gives his report on audit every year. The last audit was carried out in the month of October-2019. The internal audit of accounts of the Institute is carried in the month of February 2019 by team of internal auditors. The internal auditor checks the accounts to see if all entries are properly recorded for the smooth running.

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	Funds/ Grnats received in Rs.	Purpose

funding agencies /individuals		
No Funds received	0	NA

No file uploaded.

6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Dr. A. R. Kambekar, Department Civil Engineering, SPCE, Andheri Mumbai	Yes	Prof. Varsha Magar, Prof. Nitin Satao
Administrative	Yes	Sharad S Gaikwad Co. Chartered Accountant	Yes	Prof. K. S. Deshmukh, Dr. Ramesh Shelke

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

1. Parent teacher meeting is conducted once in a semester to discuss the academic progress of the students. 2. Prize distribution is conducted during annual function every year. 3. Extension / co-curricular activities for holistic development are conducted.

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

1.Soft skill development 2. Hands on session on Microsoft Office 3. Orientation on ERP Modules

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

Based on suggestions given by Peer team following initiatives were taken. 1. It was decided to make Research publication mandatory for students and staff in each department. 2. Effective use of resources besides chalk and duster for teaching methodologies were encouraged. 3. Initiatives were taken for registration and certification of NPTEL courses for students and staff.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Appointment of college	01/01/2018	01/01/2018	01/01/2018	1

	SPOC for Smart India Hackathon-2018				
2019	First Year Induction Program	27/07/2018	27/07/2018	01/08/2018	179
2019	MOU signed with Delta Marine Offshore Services, Kalyan	01/01/2019	01/01/2019	31/12/2019	180

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Womens day celebration, Meditation Camp	08/03/2019	08/03/2019	55	Nill
Fitness session for Ladies Staff and students	08/03/2019	08/03/2019	55	Nill
Cancer Awarness for Ladies Staff and students	05/02/2019	05/02/2019	110	Nill

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

Percentage of power requirement of the University met by the renewable energy sources
33 percentage met by renewable energy sources (Solar Energy)

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	Yes	1
Ramp/Rails	Yes	1
Braille Software/facilities	Yes	1
Rest Rooms	Yes	1
Scribes for examination	Yes	1
Any other similar facility	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	Nill	23/06/2019	8	Facilitation center	facility for applicants	925
2018	1	Nill	10/07/2019	15	facilitation center	facility for applicants	720
2019	Nill	1	24/01/2019	1	Health check up	Social awareness	60
2019	Nill	1	04/02/2019	1	Anti tobacco, anti smoking awareness campaign	Social responcibility	92
2018	Nill	1	02/10/2018	1	Cleanliness Drive	Social awareness	50

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

Title	Date of publication	Follow up(max 100 words)
Code of conduct for Students	22/04/2019	Code of conduct handbooks made available to all newly admitted students. these rules and regulations are broadly explained to students during orientation program also. Students needs to follow it strictly otherwise appropriate action will be taken.
Code of conduct for Teachers	22/04/2019	Code of conduct handbook for teachers specify all the rules to be followed by teachers in the premises. All teachers should work constructively for continuous development of institute.

ode of conduct for Governing Body	22/04/2019	Each member of governing body agrees to accept the provisions of this code of conduct. All members needs to build trust, honesty and integrity in the conduct of the institute.
Code of conduct for Principal	22/04/2019	Principal oversee and monitor the academic and general administration of the institute. The Principal follows the code of conduct laid down by SSJCOE institute.
Code of conduct for Supporting staff	22/04/2019	Supporting staff includes administrative, Technical and non technical staff. It is necessary to follow code of conduct laid down by the institute. It is necessary for staff to work in the benefit of the institute.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Traditional day celebration for social bonding	30/03/2019	30/03/2019	500
VVPAT EVM for social awreness	16/01/2019	17/01/2019	222
Dandiya for promoting Communal harmony	17/10/2018	17/10/2018	500
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Initiatives taken to make the campus Eco- friendly: 1. Tree Plantation and green landscaping.
2. No Plastic Drive to make plastic free campus.
3. Use of Solar System as renewable energy source.
4. Use of ERP system to make a paperless office
5. Use of Public Transport

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1: 1. Title of the Practice: Best Policies encouraging Staff Retention 2. Objective: To lower staff attrition 3. The Context: Increase organization's productivity and enhances the quality of teaching. 4. The Practice: In order to focus on the professional development of faculty members,

• Encourage faculty members to pursue higher studies, paper publication, presentation etc. • Enhance the teaching learning process by encouraging faculty members to participate in Short Term Training Programs / Workshops / Conferences, etc. • Encourage faculty members for higher studies leading to Ph.D. wherein faculty member is relieved for attending research related activities. This would enable them to concentrate on research and produce quality outcome. • Encourage supporting, non teaching staff to remain up dated with latest technological developments or to pursue higher degree for Career advancement. 5. Evidence of Success: Staff Retention Ratio 1. Year 2018-19 STAFF RETENTION IN NUMBER OF YEARS 2018-19 PERCENTAGE 0-5 35 39.33 6-10 19 21.35 11-15 11 12.36 16-20 12 13.48 > 20 YEARS 12 13.48 TOTAL 89 2. Year 2019-20 STAFF RETENTION IN NUMBER OF YEARS 2019- 20 PERCENTAGE 0-5 24 27.59 6-10 25 28.74 11-15 15 17.24 16-20 10 11.49 > 20 YEARS 13 14.94 TOTAL 87 Best Practice 2: 1. Title of the Practice: Active Professional bodies 2. Objective: • To bring out talents of students and use them for their betterment. • To help students to sharpen their skills so that they can manage their own affairs. • To inculcate team-spirit and provide environment to work as a team. • To give practical lessons in management, organization, group behavior, planning, finance. 3. The Context: In order to create a sense of belonging in each student and to show their potentials, institute introduced good practice of having activities conducted by various Professional bodies of each department. 4. The Practice: Students plan various technical activities after the formation of students committee. 5. Evidence of Success: Activities conducted during 2018-19 S. No. Department Professional body No. of Activities No. of participants 1 Computer/IT CSI 2 154 IEEE 2 46 2 EXTC IETE 2 120 3 Mechanical/ Production ISME 1 54 4 Chemical IIChE 3 87 Activities conducted during 2017-18 S.No. Department Professional body No. of Activities No. of participants 1 Computer/IT CSI 2 165 2 EXTC IETE 2 157 3 Mechanical/ Production ISME 1 60 4 Chemical IIChE 2 50 Best Practice 3: 1. Title of the Practice: Smart India Hackathon Cell 2. Objective: • Harness ingenuity and capability of students. • Build pathway for Startup India campaign. • Sourcing solutions for improving quality of life and facilitate governance. • Provide opportunity to students to provide innovative solutions to India's unapproachable problems. 3. The Context: Smart India Hackathon is a unique open innovation model for identifying new and disruptive technology innovations to solve the challenges in our country. 4. The Practice: It is a continuous product development competition where problem statements are posed to technology students for innovative solutions. 5. Evidence of Success: List of students who participated in Smart India Hackathon in software edition in 2017-2018 Sr. No. Team Name Name of the student Position Branch 1 RADARS Raj Nikam Team Leader Computer PalavDurvesh Member Computer Parate Alap Member Computer Narayanan Sagar Member Computer Uchagaonkar Riya Member Computer Shah Arpi Member Computer 2 Cyber Creepers Rahate Akshay R. Team Leader Computer Chitnis Sanskar S. Member Computer NagarekarAkshay N. Member Computer Pathari Shweta P. Member IT Bahure Karan M. Member EXTC PanchalKirti P. Member Computer List of students who participated in Smart India Hackathon in Hardware Edition in 2018-2019. Students of the Institute qualified for Semi-Finals Sr. No. Team Name Name of the student Position Branch 1 Tech_Nerds Ovi Deshpande Team Leader Chemical Pranita Salvi Member Chemical ShreyaSaraf Member Computer Jay Mohare Member Mechanical Vahaz Kazi Member Computer Siddesh Moundekar Member IT

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://shivajiraojondhalecoe.org.in/naac1819/criteria7/7.2%20Best%20practice/7.2%20Best%20Practice.pdf

7.3 – Institutional Distinctiveness

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

thrust in not more than 500 words

Decentralized Work Culture: The college has a vision to impart a quality technical education for creating competent and ethically strong professionals. College intends to provide a friendly and healthy environment to students. It has a distinct decentralize work system, by which students get benefited. Due to decentralized work culture every individual takes responsibility of allotted work. Each staff member contributes and shows their participation in decision making. Principal and all HOD's from department jointly decides the different team of teachers for various work load. It starts from admission process of students. There is a team of teachers during admission process to help out every student, parents coming to college. These teachers guide / counsel them wherever needed. Every department appoints Class advisor for every class. He / She verify student's eligibility before they go for taking admission for next academic year. Class advisor also clarify/solve any matter of students of his/her class at any time. This process builds a strong bonding between respective teacher and student. Other documents like mark sheet, convocation, stationary etc. also made available to students at department level only. Responsibility of this work is given to Department's supporting staff. Every department also appoint mentor for a limited number of students from each class. Student can approach mentor any time for any of his/her problem either academic or personal. For any major issue mentor can discuss along with class advisor or respective HOD. A Team of examination section in-charge, teaching and supporting staff is there to complete examination section related work. This work includes smooth conduction of examinations, timely paper correction and moderation by respective staff, gazette checking and final mark sheet checking. Dean Academics, to coordinate college strategic planning, supervising, evaluating, and supporting departments in a manner that promotes excellence in teaching learning process. Dean Academic is the link between students, faculties, departments and college Principal. Dean Students Affairs, provide leadership and maintain a cordial relation between various student's groups ensuring proper organization of students activities over the academic year. Dean also tries to build a good bonding of Alumni with college. Alumni bonding with institute help in many ways to develop the college. Dean Research Development, encourages and help out students to participate in various inter college technical competitions at state or national level. Dean also motivates students for research activities and pursues them to publish research papers. Dean also motivates and facilitates staff for minor research activities. Various activities carried under student's professional chapter guided by in-charge faculty members of respective departments. Supporting and non teaching staff also helps the students for smooth conduction of these activities.

Provide the weblink of the institution
https://shivajiraojondhalecoe.org.in/naac1819/criteria7/7.3%20Organization%20Structure/7.3%20Distinctiveness.pdf

8.Future Plans of Actions for Next Academic Year

Institute has been introducing and executing several activities to guarantee and improve quality in the diverse aspects of academics, cocurricular and extracurricular activities. Taking into consideration the vision and mission, institute has planned for following initiatives. 1. To apply for NBA accreditation for Computer branch. 2. To increase the collaborations to reduce the gap between Industry and Academics. 3. To encourage the faculty for submitting the applications for minor research projects. 4. To encourage the faculty and students for publications in the reputed Journals Conferences at International level. 5. To encourage the faculty students for patents registration. 6. To focus on training and placement by providing training courses to the students through industry interaction, developing technological and

communication skills.