Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	SHIVAJIRAO S. JONDHLE COLLEGE OF ENGINEERING & TECHNOLOGY
Name of the head of the Institution	Dr. (Mrs.) Geetha K. Jayaraj
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	09820392925
Mobile no.	9594962029
Registered Email	vjtsscoe@rediffmail.com
Alternate Email	ssjcet.principal@gmail.com
Address	MUMBAI NASIK HIGHWAY, NEAR GURUDWARA, ASANGAON Tal. SHAHAPUR
City/Town	THANE
State/UT	Maharashtra
Pincode	421601

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**AMOL S DAYMA**
Phone no/Alternate Phone no.	**09324333333**
Mobile no.	**8007221976**
Registered Email	**asdayma@gmail.com**
Alternate Email	**ssjcet.principal@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.jondhleengg.org/NAAC2.php

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.jondhleengg.org/files/committee/ac.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B++**	**3.00**	**2018**	**02-Nov-2018**	**01-Nov-2023**

6. Date of Establishment of IQAC	**03-Jan-2017**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
No Data Entered/Not Applicable!!!		

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
No Data Entered/Not Applicable!!!				
No Files Uploaded !!!				

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 :	3
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	View 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)

* **Organized National Level Conference on RECENT TRENDS IN ENGINEERING, SCIENCE MANAGEMENT" IRJET**

* **Organized AICTE, ISTE approved FDP's & STTP's for Faculty members to make them aware about latest trends & technologies used in industry.**

* **Periodical meetings with staff members are initiated to formulate the plan of action. The implementation of action plans are reviewed in the subsequent meetings.**

* **Soft skill courses for students for improving their intellectual ability**

* **Arranged number of social activities like Cleaning Drives, Blood Donation Camp and Tree Plantation drives etc to inculcate the social responsibility among the staff and students.**

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

Plan of Action	Achivements/Outcomes
Organize institutional programs on quality in higher education	• To setup quality benchmark in education • Faculty awareness about quality in education • Awareness in participation of institute in various National Ranking
Research promotion in the Institute	Organized National Level Conference on "Recent trends in Engineering, Science & Management" IRJET
To encourage and organize more extension activities	Organized 7 days NSS annual camp and number of other extension activities like Blood Donation Camp, Tree Plantation, Voting awareness rally, Silent March for Pulwama attack, adopted village for upliftment of people from rural area etc.
Soft skill courses for students for improving their intellectual ability	Soft skill courses like Personality Development, Aptitude Test etc have been arranged
No Files Uploaded !!!	

14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
IQAC	24-Jan-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	06-Oct-2018

16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	02-Mar-2019

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)	Attendance Management System It is a very simple and light weight application developed for daily student

attendance. It facilitates to access the attendance information of a particular student in a particular class. This system will also help in evaluating attendance eligibility criteria of a student. Learning Material Distribution System It is a very simple and light weight application developed for managing and distributing notes among students. In this module faculties can upload notes in format of PDF, Excel, Word, Images, and Presentations of their respective subjects for particular classes by using faculties dashboard and then students can download that notes from their own dashboard. Syllabus Coverage System It facilitates to access the syllabus coverage information of a particular subject or all subjects and faculties allotted particular class. The information about syllabus covered by faculties till date on finger tips will help you to manage speed of syllabus coverage according to examination dates. Fees Collection System It is very simple and light weight applications developed for collecting and maintain records of fees. It facilitates to access the fees records of a particular student in a particular class. System provides a multidimensional reports like classwise, department wise, caste wise, Institute wise pending fess reports, Total collection and total pending fees reports. Student Information System It is a studentlevel data collection system that allows the department to collect and analyze more accurate and comprehensive information, to meet federal and state reporting requirements, and to inform policy and programmatic decisions. Faculty Information System Facultys Mobile App It maintains all faculty related data to view, review, recommend and submit to authorities. Adding and viewing various accomplishments: research project, publications, training, workshops done, patents/copyrights registered Work experience details: Subjects taught in the past, seminars/conferences attended, faculty feedback details. All documents in a single place: All academic documents, personal required documents can be uploaded by faculty ONCE and later

downloaded as and when required. Student Portal Students Mobile App The Student Portal and the mobile application are both designed with the motive of serving as a strong cohesion between the students and the faculties. The portal helps to maintain a good and healthy relation between the students and the faculties in all aspects of their academic life from attendance and study material distribution. Principal Portal This Portal greatly assists in keeping a birds eye view of all the ongoing activities and their progress such as monitoring of fees collection, attendance, feedbacks, time table, and student activities. With availability data interpretation, it facilitates ease of making decisionsboth financial and academic. President Portal This Portal incorporates a number of visual and graphical aids for representation of collated data about all underlying individual institutions such as charts, line graphs, bar graphs etc. It helps to gain a fair, comprehensive and transparent idea of the progress of the entire organization. Serving to be highly effective and helpful in critical, nickofthetime decision making the portal builds a clear picture of the progress and working of the organization.

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

Our college adopts the curriculum provided by the University of Mumbai. The "Choice based Credit and Grading system (CBCGS)" syllabus scheme was introduced by the University of Mumbai in the AY 2016-17 at First year level for UG and PG programme. Accordingly during AY 2018-19 the CBCGS scheme for UG programme is at Third year level and for PG programme CBCGS is continued. Based on the CBCGS scheme, academic flexibility is provided to choose the elective subjects at Department level as well as on institute level, by University of Mumbai. At the beginning of each Academic year the University of Mumbai gives an Academic calendar with the guide lines about the date of commencement and Term end of both odd and even semester, Oral/Practical Examination, End semester examinations and vacation slot, etc. Taking this in to account Principal in consultation with heads of department the Institute Academic calendar is prepared. According to the Institute Academic calendar, Time-Table is prepared for the respective semesters by the Time-Table committee in consultation with various Head of Departments. Referring to both the calendars Departmental academic calendar is also prepared for planning department level extra and co-

curricular activities like workshops, seminars, industrial visits, etc. Subject allocation to the faculty is done by Head of Department based on the faculty's area of specialization, interest and willingness. The faculty members of various departments prepare academic plans such as lesson plans, student database, laboratory manuals and course files, etc. for each subject in each semester. The process of syllabus coverage is monitored at various levels periodically. The faculty members are encouraged to impart the curriculum through innovative teaching methods such as using smart boards, presentations using power point or by showing videos related to curriculum/course, regular assignments and group discussions. The workshops, seminars, and industrial visits are arranged apart from regular teaching methods. The lectures and practicals are conducted as per the time table along with co-curricular and extra-curricular activities. Institute conducts Unit test I and Unit test II (each of 20 marks) after the completion of 40% and 70 % syllabus respectively in centralized manner following the University pattern. Average of UT I& II is considered as Internal Assessment (20 marks) for end semester examination. Periodical feedback is taken from the students on various aspects of teaching-learning process.

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
NPTEL Course in Data Base Management System	NIL	06/08/2018	60	Employabilit y	Data Base Management System
NPTEL Course in Discrete Mathematics	NIL	28/01/2019	90	Employabilit y	Discrete Mathematics
NPTEL Course in Inspection and Quality Control in M anufacturing	NIL	27/04/2019	30	Employabilit y	Inspection and Quality Control in M anufacturing
NPTEL Course in Principles of Hydraulic Machines and System Design	NIL	06/08/2018	60	Employabilit y	Hydraulic Machines and System Design
NPTEL Course in Marketing research and analysis	NIL	06/08/2018	60	Employabilit y	Marketing research and analysis
NPTEL Course on Engineering Metrology	NIL	30/07/2018	90	Employabilit y	Engineering Metrology
NPTEL Course on Design Practice II	NIL	27/08/2018	60	Employabilit y	Design Practice

NPTEL Course on Programing, Data Structures Algorithm using Python	NIL	29/07/2018	60	Employabilit y	Programing, Data Structures Algorithm using Python
NPTEL Course on Artificial I ntelligence: Search methods for problem solving	NIL	29/07/2018	60	Employabilit y	Artificial I ntelligence: Search methods for problem solving
NPTEL Course on Data Base Management System	NIL	07/02/2019	60	Employabilit y	Data Base Management System
Workshop on Python Programming	NIL	05/09/2018	02	Employabilit y	Python Programming
NPTEL Course on Probability Random Variables	NIL	27/08/2018	60	Employabilit y	Probability Random Variables
Workshop on Microchip Programming and simulation	NIL	02/04/2019	02	Employabilit y	Programming
Workshop on PC Assembly and troubles hooting	NIL	25/08/2018	03	Employabilit y	PC Assembly and troubles hooting
PRIMAVERA	NIL	01/09/2018	7	Employabilit y / Entrepre neurship	Project management of construction site using software
Workshop on Linux OS	NIL	11/09/2018	01	Employabilit y	Programming
NPTEL Course in Fiber optic commun ication system	NIL	30/07/2018	90	Employabilit y	Fiber optic communicatio n
NPTEL Course in Digital Circuit	NIL	30/07/2018	90	Employabilit y	Digital Circuit

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year		
Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
View File		

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	TE CIVIL ENGINEERING	09/07/2018
BE	TE COMPUTER ENGINEERING	09/07/2018
BE	TE ELECTRONICS & TELE COMMUNICATION ENGINEERING	09/07/2018
BE	TE MECHANICAL ENGINEERING	09/07/2018

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

	Certificate	Diploma Course
Number of Students	164	0

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
No Data Entered/Not Applicable !!!		
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
No Data Entered/Not Applicable !!!		
View File		

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	No
Alumni	Yes
Parents	Yes

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

Feedback Obtained
Our institute has feedback mechanism for all stake holders. The students' gives feedback for all the courses taught to them in the semester. The general assessment points of the feedback based on the questions based on syllabus, adequacy of syllabus, satisfaction about teaching methodology, teacher's approach towards students, teacher's ability to teach the subject and control the class, syllabus coverage organization of lectures, use of modern tools of

pedagogy, etc on a 5 point scale with number 5 indicates excellent and 1 indicates poor performance. The institute policy is that if a teacher gets average grade less than 2.5 then he/she is being called by the institute authorities such as academic coordinator, registrar and principal is being informed about his/her performance of the particular course. The teachers are accordingly instructed by the authorities to improve their performance. The feedback from the alumni is drawn evaluating subject knowledge of the program, level of expectations, progress of alumni in career after graduation, impact of training on personality, social skills, the contribution of curricular, co-curricular and extra-curricular activities, during their course of study, ability to take decisions, ability to manage finances and presentation skills at the workplace. This feedback is also taken on 5 point scale from 1 to 5 with 1- Not-Satisfactory, 2 – Satisfactory, 3 – Good, 4 – Very Good and 5 – Excellent. The teachers feedback highlights the parameters in the form of good balance between theory and application, well defined syllabus, availability of books other learning materials in library, working environment, adequate opportunities support for upgrading their skills, cleanliness well maintained classrooms and laboratories, freedom to new techniques/strategies of testing and assessment of students, freedom to new techniques/strategies of teaching and overall infrastructure provided by the institute. The analysis of this feedback helps in reframing the facilities provided by institute and various skill developments training program to arrange for the teachers to improve their teaching - learning skills. This feedback is also taken on a 5 point scale from 1 to 5 with 1 at poor and level 5 on excellent level. The feedback from the parents help the institute immensely reorienting the administrative, general ambience, quality of teaching offered by the institute, support for the skill development, suitability of the course for career growth of their ward, the skill development of ward, etc. This feedback is also taken on a 5 point scale from 1 to 5 with 1 at poor and 5 at excellent level.

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
No Data Entered/Not Applicable !!!				
View File				

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	1148	48	69	0	8

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

77	77	10	26	5	7

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

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

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

Each student of SSJCET is attached to a faculty mentor for personal guidance, career guidance etc. Every faculty member is expected to create a rapport with the student mentee, encourage them to talk/discuss any issue related to academic or personal level. Under each faculty mentor 20 students are allocated for mentoring and minimum 2 meetings in a semester with mentee will be conducted to monitor their academic performance and other overall development. While mentoring, issues which can be resolved at the faculty level would be taken care of and those beyond their capability will be referred to higher authorities for resolutions. Mentors also maintain records of mentees regularity/punctuality, class-performance and academic progress. The mentors use both formal and informal means of mentoring. The mentor system, apart from its formal part, also exists as a robust informal mechanism to boost inclusiveness, gender sensitivity and social responsibility of students.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1196	77	15.53

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
77	77	0	15	5

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
<td colspan="4" align="center">**No Data Entered/Not Applicable !!!**</td>			

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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
<td colspan="5" align="center">**No Data Entered/Not Applicable !!!**</td>				

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

Academic calendar received from University of Mumbai in the beginning of each academic year provides the information on date of commencement and Term end of both odd and even semester, Oral/Practical Examination, End semester examinations etc. Based on this institute academic calendar will be prepared in each semester. Institute conducts Unit test I II (each carrying 20 marks) after the completion of 40 and 70 syllabus respectively in centralized manner following the University pattern. Unit test I II marks are displayed on Notice Boards and the answer sheets are shown to students by which students get to

know about their performance and understand the evaluation process. It is compulsory for the student to sign the evaluation mark sheet which helps in maintaining the transparency. Average of both UT I II will be considered. To improve the students' performance in examinations question banks for theory as well as oral examinations are also provided. The questions in the question banks are designed to meet course outcomes. The term work assessment is done by maintaining Continuous Assessment Sheet by each faculty to evaluate performance of students based on their level of understanding, timely submission, punctuality etc. Apart from above evaluation processes, End Semester Theory Examinations (ESE), Oral and Practical Examinations are conducted as per the guidelines of University of Mumbai. Various committees are constituted for smooth conduction of examinations related activities. Institute has adapted various assessment tools for multidimensional development of students such as presentations, Group Discussions, Quiz etc. All the faculty members are using ERP system for better reach and performance enhancement.

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

The Institute academic calendar is prepared by referring the academic calendar of University of Mumbai. This includes the academic activities like semester commencement date, term end date, schedule of Unit test I II, submission of the term work/ Oral practical examinations, co-curricular and extracurricular activities and commencement of theory examination etc. Institute conducts Unit test I and II after the completion of 40 and 70 syllabus respectively in centralized manner following the University pattern. End semester examinations like Oral and Practical Examination, Theory Examination etc are conducted as per University of Mumbai guidelines. Apart from the academic activities institute is also organising co-curricular and extracurricular activities through student council. Some of the major events organised annually under student council are Techblizz, Annual Sports and Nakshatra (Annual Day Celebration) Apart from this, we have student association in each department for arranging various activities like guest Lectures, Seminars, Workshops, industrial visits etc. to develop the overall personality and cultivate various skills among students. Student associations are also taking initiative to celebrate important days like National Festivals, Birth/Death Anniversaries of great leaders, International Women's Day, International Yoga Day, Teachers Day, Engineers day etc. Our NSS unit is organising various social activities like cleaning drive, street play on various themes, blood donation camp, tree plantation, awareness rally for save water/save girl child/ road safety, yoga sessions in our college as well as in nearby schools etc.

2.6 – Student Performance and Learning Outcomes

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

http://www.jondhleengg.org/NAAC2.php

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
No Data Entered/Not Applicable !!!					
View File					

2.7 – Student Satisfaction Survey

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

http://www.jondhleengg.org/NAAC2.php

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
No Data Entered/Not Applicable !!!				
View File				

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
Seminar on Sequential Development Platform	Computer Engg.	08/06/2018
Seminar on Applications of web development	Computer Engg.	31/07/2018
One day Seminar on Project Research Modelling	Electronics Telecommunication Engg .	03/08/2018
Session on Study Abroad	All Departments	14/08/2018
One Day Entrepreneurship Training Program	All Departments	21/08/2018
Seminar on HR Interviews Tips Techniques	All Departments	24/08/2018
Seminar on Cloud Computing on AWS	Computer Engg.	10/09/2018
Workshop on Linux as an operating system	Computer Engg.	11/09/2018
Seminar on CAD	Mechanical Engg.	18/09/2018
Seminar on Soft Skill Development	All Departments	18/09/2018
Workshop on Linux as an operating	Computer Engg.	09/11/2018
Workshop on IPR for students and Faculty Members (Facebook Live session by MHRDs Innovation cell)	All Departments	10/01/2019
Seminar on Project Based Learning	All Departments	22/01/2019
Todays need of software patents and copyright	Computer Engg.	30/01/2019
Aptitude test	All Departments	15/02/2019

Psychometric Test	All Departments	15/02/2019
Seminar on 3D Printer	Mechanical Engg.	27/02/2019
Seminar on NDT Welding	Mechanical Engg.	14/03/2019
Seminar on "Non Destructive Testing"	Civil Engg.	14/03/2019
Seminar on Digital Marketing	All Departments	04/04/2019

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
No Data Entered/Not Applicable !!!				

View File

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
No Data Entered/Not Applicable !!!					

View File

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
00	00	00

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

Name of the Department	Number of PhD's Awarded
No Data Entered/Not Applicable !!!	

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)
No Data Entered/Not Applicable !!!			

View File

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
No Data Entered/Not Applicable !!!	

View File

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						

View File

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
No Data Entered/Not Applicable !!!						
View File						

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

Number of Faculty	International	National	State	Local
No Data Entered/Not Applicable !!!				
View File				

3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!			
View File			

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
No Data Entered/Not Applicable !!!			
View File			

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
No Data Entered/Not Applicable !!!				
View File				

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
No Data Entered/Not Applicable !!!			
View File			

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab	Duration From	Duration To	Participant

with contact details			
No Data Entered/Not Applicable !!!			
View File			

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
No Data Entered/Not Applicable !!!			
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
140	129

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
No Data Entered/Not Applicable !!!	
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
SLIM 21	Partially	2.9.2	2012

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total
No Data Entered/Not Applicable !!!			
View File			

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
No Data Entered/Not Applicable !!!			
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

Existin g	413	312	312	0	60	15	25	52	1
Added	120	0	0	0	0	0	0	0	0
Total	533	312	312	0	60	15	25	52	1

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
RECORDING FACILITY, LECTURE CAPTURING SYSTEM	http://www.jondhleengg.org/

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
3	2.79	30	29.32

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)

Maintenance Procedure: The maintenance is divided as daily maintenance and half yearly maintenance. Apart from this break down maintenance is also followed. For keeping all the lab equipment in working condition following procedure is adopted: Daily Maintenance: The Faculty subject In-charge and Lab Assistant are responsible for daily maintenance of all Lab Equipment/Machinery/Instruments available in their respective laboratory. Half Yearly or Semester End Maintenance: At the end of each semester the repair/service/maintenance will be done. All the lab equipment/machinery/instruments are checked for their availability for next semester. As per the curriculum if any new equipment/machinery/instrument to be purchased then written information is given to Principal through head of department. Breakdown Maintenance: In case of any breakdown occurs in any Equipment /Machinery/ Instruments available in laboratory then it is informed to Principal through Head of Department in written. With the permission of Principal, the Head of Department calls concern supplier or repairer for quotation and quotations are submitted to Principal for approval. The Principal sends the quotations to head office for getting approval then after approval from head office the work order is issued to concern and maintenance work is executed. Computer Maintenance: The Faculty subject In-charge and Lab Assistant are responsible for daily maintenance of computers available in their laboratory. They are also responsible for any updating software configuration whenever required. In case of any breakdown written information is given to Principal through Head of Department. With the permission of Principal, the Head of Department calls concern supplier or repairer for quotation and quotations are submitted to Principal for approval. The Principal sends the quotations to head office for getting approval then after approval from head office the work order is issued to concern and maintenance work is executed. Library Maintenance: On daily basis Librarian and Assistant Librarian check the condition of Books and Journals available in library and in case of any maintenance like book binding the information in written format is given to Principal. Sports/ Game article Maintenance: The

sports in-charge sends the request to Management through Principal. After the approval required maintenance is done. Class Room Maintenance: The administrative staff i/c daily takes rounds for all class rooms. In case of any maintenance the students/ faculty members inform administrative staff and in consultation of Principal Maintenance will be done. Utilisation Procedure: The utilisation records of all the physical facility available for academic and support are maintained by concerned staff members and utilisation procedure is as follows: Physical Utilisation Procedure: Certain laboratories/ workshops are required to be shared and utilised under common facilities. Such facilities are shared between departments. At the beginning of semester Time Table in-charge will resolve this issue. In case for a particular occasion if any infrastructure is required, requirement will be communicated to the Principal and permission is to be taken from Principal. Seminar Hall utilisation: The seminar hall requirement for any program is intimated to Principal and the permission is given by the Principal.

http://www.jondhleengg.org/NAAC2.php

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
	No Data Entered/Not Applicable !!!		
	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
No Data Entered/Not Applicable !!!			
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
No Data Entered/Not Applicable !!!					
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
9	9	15

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof	Number of	Number of	Nameof	Number of	Number of

organizations visited	students participated	stduents placed	organizations visited	students participated	stduents placed
No Data Entered/Not Applicable !!!					
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
No Data Entered/Not Applicable !!!					
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
No Data Entered/Not Applicable !!!	
View File	

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

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		
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
No Data Entered/Not Applicable !!!						
No file uploaded.						

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

The student council is constituted every year at the beginning of academic year following the University of Mumbai guidelines. The student council plays a significant role in conducting many extra and co-curricular activities related to cultural, sports and technical events at college level. Some of the major events organised annually under student council are Techblizz, Annual Sports and Nakshatra (Annual Day Celebration) Apart from this, we have student association in each department for arranging various activities like guest Lectures by experts, Seminars, Workshops, industrial visits etc. to develop the overall personality and cultivate various skills among students . Student associations are also taking initiative to celebrate important days like National Festivals, Birth/Death Anniversaries of great leaders, International Women's Day, International Yoga Day , Teachers Day, Engineers day etc. The Council seeks to contribute to the development of students' leadership skills and have experience in program planning and development, volunteering and financial management. They help the administration in smooth conduct of student activities in the Campus. The Council also organises programs in the Campus to improve cleanliness greenery in the campus. Our students are included as

representatives in various committees like SC/ST/OBC cell, anti-ragging cell, placement cell, grievance cell and youth club. SSJCET has also got NSS Unit which is registered in 2018-19 under university of Mumbai. SSJCET has adopted Dolkhamb village (Tal. Shahapur) for upliftment of people in rural area. Our NSS unit has been organising various social activities like cleaning drive, street play on various themes, blood donation camp, tree plantation, yoga sessions in our college as well as in schools etc. Our NSS unit has also organised awareness rally for save water, save girl child, road safety, silent march on Pulwama Attack, activities like self defense training, seminar on digital literacy and seminar on woman health for girls.etc.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

1305

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 institution always promotes practice of decentralization and participative management. Various committees at institutional level and departmental levels are constituted and are responsible for planning and executing various activities in the institution. The Principal is holding responsibilities for providing directions, leadership and for the day to day functioning of the Institute and Head of various Departments/ sections are the functional heads responsible for the conduct of curricular, co-curricular and extracurricular programs within the broad framework of its Mission, Vision and goals. At the beginning of each Semester, Principal will convene meetings with Head of Departments, Training Placement Officer, Librarian, Physical education Instructor, NSS Programme Officers, and Administrative Department etc., in order to plan and delegate the administrative authority to the concerned Head of Departments/ Section heads for the effective discharge of assigned duties. Head of Departments and other Section heads assigns the functional authority to their faculty members/ committee members. This results in delegation of administrative and functional authority percolating down to the faculty members creating professional autonomy through this structure. The department heads have both academic and functional autonomy. At the beginning of each semester Head of Departments conducts meeting with teaching and supporting staff of department for planning various departmental activities. HOD appoints co-ordinators for various curricular, co-curricular and extracurricular activities for every academic year. HOD conducts meeting with respective committee members and represent the suggestions made to the Principal and Principal will convey the representations to the Management for their approval. HOD supervises the overall quality of teaching and discipline among the students by which an efficient Teaching-Learning process is ensured. Students are also empowered to

organise various activities under the supervision of faculty co-ordinators and head of department through which the overall personality of the students are being improved. In order to develop leadership quality and teamwork students associations are being formed at department level and organises various co-curricular and extracurricular activities like seminar, guest lectures, training sessions, industrial visits and cultural programs etc. Another example of decentralization and participative management is the establishment of students council at institute level which is constituted every year at the beginning of academic year following the guidelines by University of Mumbai. The student council plays a significant role in conducting many extra and co-curricular activities related to cultural, sports and technical events at college level. Some of the major events organised annually under student council are Techblizz, Annual Sports and Nakshatra (Annual Day Celebration). All the departmental student associations are coming under student council and are also taking initiative to celebrate important days like National Festivals, Birth/Death Anniversaries of great leaders, International Women's Day, International Yoga Day , Teachers Day, Engineers day etc. In addition to these, our NSS unit motivate students to take up various social responsibilities like blood donation camp, tree plantation drive, swacha bharat abhiyan, book donation to schools in rural area, donation to flood relief camps, creating awareness about literacy, education, save girl child etc.

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
Curriculum Development	Since our institute is affiliated to University of Mumbai, institute adopts curriculum designed by University of Mumbai. In addition to the prescribed syllabus, lectures beyond the syllabus on advanced topics or hands on training sessions on relevant topics are also being arranged. As a part of curriculum development, students are encouraged to perform mini projects and working models. In-house exhibitions are arranged in order to provide a platform for students to exhibit their technical knowledge. Students are permitted for In-Plant training, Internship and Industrial Visit to acquire knowledge about the industry environment.
Teaching and Learning	Teaching plans are prepared by each faculty member in his/her subject in every semester and got verified by the head of the department at different stages as per syllabus and scheme given by University. T-L process is also reviewed by HOD and the feedback is communicated to the faculty members for improvement. IQAC and Departmental Advisory Committee provide suggestions to improve the Teaching-Learning

	process. Arranging co-curricular activities like Workshops/Seminars, field visits and internships give industrial exposure to students. Mentoring of students help to identify their weakness/strength and accordingly the student will be guided by the mentor.
Examination and Evaluation	As per UoM the examination pattern is 20 marks for IA and 80 marks for ESE. Institute conducts UT I II (each carrying 20 marks) after the completion of 40 and 70 syllabus respectively in centralized manner following the University pattern for IA. UT I II marks are displayed on Notice Boards and the answer sheets are shown to students by which students get to know about their performance and understand the evaluation process. Average of both UT I II will be considered. Besides, TW, Oral Practical and ESE are being conducted. Students are also continuously evaluated by giving presentations, Group Discussions, Quiz etc.
Research and Development	The institute encourages research and publications by students and faculty. Faculties present and publish papers at various conferences. A national conference was organised in January 2019 for promoting research culture and providing platform for exchange of ideas and sharing knowledge. Institute also encourages and sponsors faculty for higher education. Students are encouraged to do innovative projects dealing with current issues of society. Students are motivated to exhibit their projects at various competitions like SAE BAJA, Hackathon. They are also encouraged to participate in technical competitions like quiz, paper and poster presentation.
Library, ICT and Physical Infrastructure / Instrumentation	The institute has a spacious library containing textbooks, reference books, national and international journals and magazines. ICT facilities are constantly upgraded. Institute has excellent infrastructure such as spacious classrooms, laboratories, Seminar halls, Principal cabin and Main office, huge playground, well equipped gymnasium and indoor sports facility and auditorium with modern amenities. Other facilities like canteen, medical room, boys' common room and girls'

	common room, faculty cabins, departmental office are also provided. All laboratories are well equipped with machines/instruments/equipments/compute rs with software/models and charts as per required academic standards. CCTV is installed for greater safety of students and staff.
Human Resource Management	Human resources of the institute are managed through a well defined selection, evaluation, and payroll processes. The Institute appoints adequate number of qualified staff in various cadres through news paper advertisement and interview by expert committee. Provident fund leaves/vacations and other facilities are provided as per rules. Faculties are sponsored for higher studies to enhance their qualifications. On duty leave is provided for attending FDP courses/seminars/conferences/workshops and exam duties. Faculty members are encouraged to attend various technical events and the expenses will be borne by the institute as per policy.
Industry Interaction / Collaboration	Industry-institute interaction provides platform for exchanging ideas, exposing to latest technological advancements etc. This interaction helps to bridge the gap between the curriculum and industrial practices by which students will get the benefit of undergoing Internships, taking industry sponsored projects, Industrial visits etc. This kind of collaboration helps us to keep memorandum of understanding between our institute and industry. Our institute is also having MoU with VJTI, Matunga, Mumbai which is our mentor institute under AICTE Margdarshan scheme.
Admission of Students	The students are admitted as per the sanctioned intake by AICTE. Since our institute is approved by DTE, Maharashtra the complete centralised admission procedure is as per DTE guidelines. Since our institute is private and non-minority, 80 seats are filled through online admission process and the remaining 20 seats are filled by Institute. Our institute is recognised Facilitation Centre (FC) for online admission process. The admission Committee at FC guides the aspirants during form filling, documents verification, confirmation etc. After admission orientation course is

conducted for newly admitted students to familiarize them with college environment, staff members and other facilities.

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

E-governace area	Details
Administration	The academic administration is managed through the learning management ERP system. All staff and students use it for various teaching learning activities like syllabus coverage, question banks, assignments, notices etc. This is also used for students' attendance, Grievance and redressal System, feedback etc.
Finance and Accounts	The institution has been using ERP system to maintain fees collection, scholarship details etc.
Student Admission and Support	ERP software Package is used to maintain students' data, roll call list, feedback, Grievance and redressal System, E-Journal access, books issue return of library books etc.
Examination	Examination Section of the institute is using Viva solution software Package for examination related activities like seat number generation, hall ticket generation, marks entry, Preparation of results, gazettes etc. Question papers of End semester examinations of University of Mumbai are being downloaded from University online portal. OSM system for paper assessment of first year and final year engineering, online filling of TW/OR/PR/Project marks for first year and final year engineering, etc. are other areas of e-governance.

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
No Data Entered/Not Applicable !!!				
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development	Title of the administrative training	From date	To Date	Number of participants (Teaching	Number of participants (non-teaching

programme organised for teaching staff	programme organised for non-teaching staff			staff)	staff)
		No Data Entered/Not Applicable !!!			
		View File			

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
		No Data Entered/Not Applicable !!!		
		View File		

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
10	77	0	26

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Provident fund, Group insurance scheme, Mediclaim, Financial support in emergency, Special leaves for all staff, Maternity leave for female staff, Sponsorship for higher education	Provident fund, Group insurance scheme, Mediclaim, Financial support in emergency, Special leaves for all staff, Maternity leave for female staff, Sponsorship for higher education	Group insurance scheme, Project finance (SAE_BAJA)

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 mechanisms for internal and external audit. Internal audit is carried out periodically. External audit is carried out once in a year. External Auditor verifies all receipts expenses bills, payments of the Financial Year.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
NIL	0	NA
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6.4.3 – Total corpus fund generated

00

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	Local Inspection Committee of University of Mumbai, Institute Advisory Committee	Yes	Departmental Audit Team
Administrative	Yes	Local Inspection Committee of University of Mumbai, Institute Advisory Committee	Yes	Principal Registrar

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)
1. The feedback of parents is used to improve the Teaching-Learning Process. 2. Parents are included in various committees and their suggestions are taken care off 3. Parents support to promote social responsibility among students.

6.5.3 – Development programmes for support staff (at least three)
? Soft skill training program ? Regular Staff meetings to motivate them so as to have a better working environment. ? Yoga Session meditation for their better physical and mental health.

6.5.4 – Post Accreditation initiative(s) (mention at least three)
? National Conference was organized by the institute. January 2019 ? Remote Centre of IIRS-ISRO for conducting outreach programmes

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	No
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
No Data Entered/Not Applicable !!!					
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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
Self-Defence	08/03/2018	08/03/2018	100	0
Seminar on women empowerment	08/03/2018	08/03/2018	100	11

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
29.57 Percent

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Ramp/Rails	Yes	1
Scribes for examination	Yes	1
Provision for lift	Yes	1
Rest Rooms	Yes	1
Physical facilities	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
No Data Entered/Not Applicable !!!							
View File							

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

Title	Date of publication	Follow up(max 100 words)
No Data Entered/Not Applicable !!!		

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Vanamahotsva	01/07/2018	01/07/2018	10
Gurupurnima	27/07/2018	27/07/2018	53
Independence day	15/08/2018	15/08/2018	54
National youth day	14/01/2019	14/01/2019	35
Republic day	26/01/2019	26/01/2019	30
womens day	08/03/2019	08/03/2019	100
Maharashtra day	01/05/2019	01/05/2019	34
Mothers day	13/05/2019	13/05/2019	10
No file uploaded.			

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

1. Rain water harvesting 2. Installed Solar Panel 3. LED(100 installed in

campus) 4. Tree Plantation 5. Non-Plastic campus

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Practice I: Title of the Practice: Faculty Professional and Personal Development Programme Goal: The aim of the faculty development programme (FDP) is to promote campus-wide excellence in teaching which supports the professional development of faculty members in their careers and enhances quality of teaching. The further aim of the practice is to • make faculty skilled in latest technologies • make them integrate more technology onto their teaching • orient faculty to institution's vision • expand faculty roles and renewal of teaching skills • help for making quality and concern in the education • Improve research skills with quality work. The Context: Following are the challenges faced in designing and implementing of the practices. 1) The institute being at remote location far from city area makes us little difficult to arrange resources such as eminent resource persons from reputed institutes and industries. 2) Getting sponsorships and collaborations for arranging FDP /STTP is difficult for our private, unaided institute. 3) To motivate the faculties to attend these programmes to improve their skills in order to meet expectations of different stakeholders. 4) Due to academic tight schedule, we are restricted to sponsor our staff members to attend professional programmes at other institutes as well as to send the staff to other cities especially during the semester. The Practice: The STTP/FDPs through our IQAC are being conducted preferably during vacations without disturbing the academics. The programmes are usually self-sponsored as the AICTE/University encourages self-sponsored programmes. AICTE/ISTE approves for conducting such programmes for the benefit of staff members particularly to adopt new teaching skills by staff members. The programmes are given wide publicity through social media, printed brochures, posters etc. We encourage online registration for the participants so that it is easy for them to apply. The institute has sufficient infrastructure facilities. The eminent resource persons from reputed institutes and industries are invited to deliver the lectures. Detailed study material is provided in the form of soft and hard copies to participants. During STTP/FDPs the industrial visits are arranged for the participants to give them exposure to the current practises/scenario/issues in industry. Our institute is a Local centre for NPTEL courses run by IITs/IISc. Faculty coordinators are appointed for promoting, encouraging and motivating our students and staff to enrol and complete the course. Our institute is a Network Centre of IIRS in conducting outreach programmes. IIRS conducts theme oriented online courses and monthly webinars on recent topics on geospatial technologies and its applications. Faculty members and students are encouraged to actively participate in these programs. The e-learning courses are self-paced and learner centric and meant for both faculties and students to enhance their knowledge in remote sensing and geospatial technology using online simulated learning contents. One of the Institutes in our campus is the Remote Centre of IIT, Bombay. Through this FDPs are being conducted and our faculty members get opportunity to attend FDP/STTP/Training run by IIT, Bombay. Our institute is a Mentee Institute coming under AICTE MARGARDARSHAN scheme and our Mentor Institute is VJTI, Mumbai. This programme is meant for exchange of knowledge and other benefits for our faculty members and students. Institute also sponsors faculty members for higher studies such as Post Graduate and Doctoral Programmes. The faculties are encouraged to do consultancy for professional development. To improve the teaching quality every Department has got Advisory Committee through which suggestions/ improvements for enhancing the quality are obtained. Evidence of Success: Three main targets of faculty development are 1) Instructional development 2) Personal development 3) Organizational development. Instructional development includes practices such as curriculum development in

teaching skills and training. Personal development generally involves activities to encourage faculty growth, also their mental health such as yoga and recreational activities. Organizational development is for advancing the institutional environment for teaching and decision making and includes activities for faculty members. Developing managerial skills and team work attitude would be important components of organizational development. The outcomes of these faculty development programmes are closely monitored. Following are the success of these programmes. • High satisfaction with STTP/FDPs • Attitude towards the Teaching-Learning process • Gain in knowledge and skills • Changes in teaching pedagogy • Improvement in students' learning • Faculties are being sent for higher education • Yoga Meditation sessions conducted for physical and mental health • AICTE-ISTE approved STTP conducted • Organised National Conference • Staff successfully completed FDP through our remote centre of IIT, Bombay We had set targets for our activities as below. • Arranging quality resource persons relevant to the topic. • Resource persons from reputed institutes like VJTI and other institutes under Margdarshan scheme. Through our mentor institute VJTI, Mumbai we are able to get experts as resource persons from industries as well. • Motivate staff to enrol for Swayam / MOOCS courses Problems: • Financial constraints as it is a private, unaided college • Increasing diversity of students - with varying age, aspirations, cultural, and academic backgrounds. Effective and efficient faculty must be available to support those students who have got diverse learning needs, and develop appropriate teaching strategies for a wide range of learning environments. Through STTP/FDP we encourage faculty to upgrade their skills. • We find little difficult to bring eminent resource persons from reputed industries/ institutes as college is located far from city/airport. Practice II: Title of the Practice: Teaching -Learning practices Goal: To impart quality Education 1. To implement activity based, team based and student based learning 2. To take feedback in the process of Teaching -Learning 3. To arrange Technical quiz and improve Institution industry relation 4. To improve the participation of students in various online learning courses like Swayam: NPTEL etc. The Practice: Activity based Learning: Students are assigned analysis and evaluation of classroom and content, and to create an environment where students are more engaged in presentation Technical Quiz: To get in-depth knowledge in subjects, technical quiz is conducted in each subject which helps students to have specified learning. Students do mini projects, major projects. Students are motivated to participate various technical competitions like SAE-BAJA, Hackathon, attending conferences, paper presentations and publications etc. Mentoring aims to give practical advice, encouragement and support to students, increase their social and academic confidence. Department has developed a laboratory and started skill development program, Vocational Educational Training (VET) etc. for all students. Industrial visit, feedback, ICT, Project based learning, Internship, MOU's, Paper Presentation, e-Journal, e-Books, Swayam: NPTEL, and activities under Margadarshan-VJTI, Mumbai Time to time suggestions by IQAC, Institute Advisory Committee and Departmental Advisory Committee for improvements is discussed and put up for approval from Governing Council Local Managing Committee for implementation. Evidence of Success: Activity based learning is classroom activity all staff implemented in their teaching. Access to E- Journals, E-Books National Digital Library 220 students successfully completed Internship. 221 enrolled for Swayam-NPTEL online courses. Overall college result improved considerably. Students fabricated ATV and participated SAE BAJA competition at various national levels. Students also participated Hackathon at national level. Watching various Live sessions by AICTE, MHRD etc. Problems: Since our college is in rural area student admission are decreased as compared to previous year and overall admission scenario is not good. Limited Industrial area in the vicinity to place students for Internship. Find difficult to bring reputed companies for placement

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
http://www.jondhleengg.org/NAAC2.php

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

SSJCET is situated in rural area in Thane District stress is given to bring the quality education among people in rural area. Apart from the curriculum co-curricular and extracurricular activities are being conducted for their personality development. Our training and placement cell is taking efforts to provide career guidance, preparing students for appearing competitive examinations like GATE, CAT, GRE, TOFEL, ILTES, MPSC and UPSC examinations etc. The institution stresses on outreach programmes and inculcates in its students an awareness of the value of a holistic education and empathy for the less privileged sections of society. An active NSS and Youth Club organize outreach programmes for the student community to inculcate social responsibility among them. Various activities such as blood donation camp, tree plantation, rallies, contribution to the flood relief camp, adopting nearby village etc are organised under NSS unit. As an eco-friendly initiative Solar panels are installed to conserve energy. We have a strong Industry- Institute interaction through which many value addition programs and bridge courses are being organised. Students and faculty members are motivated to undergo NPTEL online courses. Staff and students are motivated to take part in various seminars/workshop/competitions etc in order to inculcate lifelong learning. For the proper functioning of all activities in our institute various committees are formed and members are empowered to solve issues.

Provide the weblink of the institution
http://www.jondhleengg.org/NAAC2.php

8.Future Plans of Actions for Next Academic Year

? Starting Research Centre ? Collaborations with International Universities ? Developing Incubation Centre Start Ups ? Centre of Excellence in all Departments ? Accreditation by NBA