



Yearly Status Report - 2017-2018

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	Geetha K. Jayaraj
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02527-273999
Mobile no.	9594962029
Registered Email	vjtsscoe@rediffmail.com
Alternate Email	ssjcet.principal@gmail.com
Address	MUMBAI NASHIK HIGHWAY, NEAR GURUDWARA, ASANGAON, DIST. THANE
City/Town	ASANGAON
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 DAYMA
Phone no/Alternate Phone no.	09423201773
Mobile no.	8007221976
Registered Email	asdayma@gmail.com
Alternate Email	sanjucoolkarni77@gmail.com

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	http://www.jondhleengg.org/
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/commit tee/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
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7. Internal Quality Assurance System

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

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
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)

Conducted FDP on Accreditation and other latest technological trends

Submitted IIQA & SSR to NAAC

Established Centre of Excellence

Established Skill Development Cell

Use of Smart Classrooms for Faculty

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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

Achievements/Outcomes

To conduct STTP & FDP in important areas and to promote faculty participation	Arranged STTP & FDP in collaboration with IE and Margdarshan Scheme of AICTE
To established Centre of Excellence for software training to students	Established Centre of Excellence
To enhance number of MoU's with industries and scope of activities	Signed MoU's with Industry and academic institute
To obtain accreditation from NAAC	SSR Submitted for NAAC
No Files Uploaded !!!	

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	05-Oct-2018
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2018
Date of Submission	24-May-2018
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>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</p>

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 Faculty's 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 decisions both 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 2017-18 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 after the completion of 40% and 70 % syllabus respectively in centralized manner following the University pattern. 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	Skill Development
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					urship	
Workshop on STADDPRO	Nil	02/08/2017	30	YES	YES	
Workshop on Auto CAD	Nil	16/08/2017	07	YES	YES	
Workshop on Full Stack website development	Nil	30/06/2018	07	YES	YES	
Workshop on Python	Nil	02/01/2018	02	YES	YES	
IETE approved Workshop on PCB Design and Fabrication	Nil	05/02/2018	02	YES	YES	
Workshop on Advanced Engine Repair Technology	Nil	04/09/2017	05	YES	YES	

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 !!!		
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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
No Data Entered/Not Applicable !!!		

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

	Certificate	Diploma Course
Number of Students	375	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
No Data Entered/Not Applicable !!!		
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
No Data Entered/Not Applicable !!!		

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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

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
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No Data Entered/Not Applicable !!!

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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
2017	1183	47	76	6	3

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
No Data Entered/Not Applicable !!!					
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)

SSJCET has a strong mentoring process. Each student of SSJCET is attached to faculty mentors for personal guidance, career advancement and development. Faculty members continue to be the mentors with the students allocated to them for their entire stay at SSJCET. Every faculty member is expected to create a rapport with the student mentee, encourage her/he to ask questions, attempt to clarify doubts and facilitate counselling on different issues on regular basis. The essence of mentoring is a sustained human relationship a one to one developmental relationship that ensures a student that he/she is a valued person. A mentor is expected to focus on the mentee's holistic development by guiding her/him in areas like academics, summer internship, comprehensive viva, comprehensive projects/dissertation, career choices, final placements etc. Mentors are also required to focus on developing the following Employability Skills of their mentees and record/document academic progression: • Continuous motivation in learning process. • Communication Skills • Attitude and Confidence • Initiative and Enterprise • Self Management-Planning and Organizing • General Awareness and Business Awareness • Adaptability and Flexibility • This bridges the gap between teachers and students. • Providing guidance to slow and advanced learners. A group of twenty students are allocated to a mentor from first year to final year (All four years). The mentor maintains and collects the personal, academic, and extracurricular activity data of the students. A mentor is supposed to conduct two formal meetings (minimum) per month with their mentees (one in a group and one on a one-to-one basis). Details of all such meeting are to be documented in the Mentees form. The mentor on his/her part is expected to record the details of each meeting in the Mentor form. Mentors could/should suggest/undertake corrective/remedial actions for problems faced by their mentees and include it in their successive reports. As and when required mentor is contacting mentees parents. The students will be sorted as per their knowledge and encouraged to be member of student associations like ETSA, CSI, MESA, CESA and international association as IETE. Those students who were interested for participating in BAJA, Hackathon and project competition and national and international conferences for presenting their research paper. We also encourage the students to register for NPTEL on line courses and examinations. For the slow learners mentees mentor recommends to give more attention for theory and practical hours to achieve good results. Mentor also guides the mentees for their carrier guidance like suggesting the courses, post graduations, entrance examination, GRE, TOFEL, GMAT, MPSC and UPSC examination A mentor is expected to maintain professional standards, improve mentoring skills and exercise good judgment when engaged in every activity involving her/his mentee and work with mentee to establish mutual respect, friendship, motivation, and measurable goals Once the journey of four years of mentorship is on the verge of completion, mentor is expected to ensure that his/her mentee has become self-reliant and self-managed person.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1230	76	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
76	76	Nil	5	4

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
No Data Entered/Not Applicable !!!			
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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
No Data Entered/Not Applicable !!!				
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

- Syllabus coverage as per the lecture schedule and number of lectures engaged.
- Number of experiments conducted in each laboratory as per syllabus.
- At the beginning of the semester students are informed about the criteria for evaluation of marks by respective faculties in very first lecture. Also give information about subject course outcomes.
- The University of Mumbai introduce Choice based scheme(CBCGS) in the academic year 2016-2017.As per the guide lines of University of Mumbai the theory examination is divided into 80 and 20 marks. 80 marks for final theory examination and 20 marks for Unit Test-I and Unit test-II. The average is calculated and it considers as internal assessment (IA -marks).UT-I will be conducted after completion of 40 syllabus and UT-II will be conducted after completion of 80 syllabus.
- Signature of student compulsory in IA(Internal Assessment mark sheet)
- All practical evaluation is carried out continuously.
- Teamwork marks consist of practical and assignment marks. Evaluation is each assignment and practical is done by respective subject teacher
- As per the University rules and regulations, practical and oral examinations, end-semester examinations and evaluations are conducted
- The direct and indirect evaluation is carried out. Direct evaluation is based on IA, teamwork and practical.
- The internal and external examiner will be conducting the examination and evaluating student's performance for allocation of marks. End semester examination will be conducted according University Mumbai, academic calendar
- Indirect evaluation is based on course exit form.

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

The Institute academic calendar is prepared based on University of Mumbai by the designated coordinator at the beginning of odd and even semester. It is displayed on all notice boards, circulated amongst heads of department, staff and students before commencement of semester. This includes the academic activities like semester commencement date, term end date, schedule of Unit test(UT) I and II, submission of the teamwork(TW)/ Oral practical examinations, co curricular and extracurricular activities and commencement of theory examination, university declared holidays. The time table in consultation with respect to HOD and displayed on departmental notice board before the commencement of semester. The draft calendar is discussed in HOD's meeting and all the suggestions which are approved in the meeting are incorporated before releasing the calendar to all departments by the principal. All the internal assessment tests like unit test -I and unit test -II are conducted as per the academic calendar. UT-I will be conducted after completion of 40 syllabus and UT-II will be conducted after completion of 80 syllabus. The result of UT-I and UT-II are analyzed and slow learners and advanced learner are identified, counselled and provide necessary help. Teamwork, assignment are evaluated based on continuous assessment and submission of term work is done as per academic calendar. The oral and practical examinations schedule as per academic calendar. The internal and external examiner will be conducting the examination and evaluating student's performance for allocation of marks. End semester examination will be conducted according University Mumbai, academic calendar.

2.6 – Student Performance and Learning Outcomes

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

<http://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 !!!					
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2.7 – Student Satisfaction Survey

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

<http://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 Recent Technological Trends	All Departments	25/07/2017
Modern Railway Hi-Tech transportation System	Civil Engg.	08/08/2017
Seminar on IIOT - An Industrial Perspective	Electronics Telecommunication Engineering Computer Engineering	27/09/2017
Soft Skill Development	All Departments	25/01/2018
Stock Mind Session	All Departments	22/02/2018
Technical Aptitude Test	All Departments	14/03/2018
GATE 2019 Awareness	All Departments	16/03/2018
Employability Enhancement	All Departments	02/06/2018
Full Stack Website Development	Computer Engg.	30/06/2018

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
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
No Data Entered/Not Applicable !!!		

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

Name of the Department	Number of PhD's Awarded
NIL	Nil

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
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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
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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
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No Data Entered/Not Applicable !!!

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3.4 – Extension Activities

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

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

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

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
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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 activities	Number of students participated in such activities
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No Data Entered/Not Applicable !!!

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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
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 with contact details	Duration From	Duration To	Participant
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 !!!			
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
14000000	12937500

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Class rooms	Existing
No file uploaded.	

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
SLIM21	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
Existing	413	312	312	0	60	15	25	52	1
Added	0	0	0	0	0	0	0	0	0
Total	413	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, LCS	http://jondhleengg.org/NAAC.php

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
1000000	941348	1400000	1317407

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. Utilization Procedure: The utilization records of all the physical facility available for academic and support are maintained by concerned staff members and utilization procedure is as follows: Physical Utilization Procedure: Certain laboratories/ workshops are required to be shared and utilized 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 utilization: The seminar hall requirement for any program is intimated to Principal and the permission is given by Principal.

<http://jondhleengg.org/NAAC.php>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Nil	Nil	Nil
Financial Support from Other Sources			
a) National	Nil	Nil	Nil
b) International	Nil	Nil	Nil
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	Number of benefited	Number of students who	Number of studentsp placed
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		students for competitive examination	students by career counseling activities	have passed in the comp. exam	
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
Nil	Nil	Nil

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
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	Department 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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						
View File						

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 organizes 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, and grievance cell and youth club. Our Youth Club 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. As per the GoM GR for plastic ban our Youth Club members distributed paper bags in Shahapur and done the campaign for no plastic.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

1010

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

01

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)

A decentralized management mechanism where powers and responsibilities are delegated at appropriate level enables all to function with a greater flexibility and accountability. At our institute, this process of decentralisation has been used at with great degree of success. The outcome of this approach is the orderly completion of work in the allotted time. Two practices of working of committees and organisation of webinars/FDP are explained to illustrate the practice of decentralization and participative management. To manage various issues and help the students, different committees like anti ragging committee, student's grievance committee,

SC/ST/OBC Committee, Training Placement cell etc are formed at the college with a purpose to provide the students access to immediate recourse to have their grievances redressed or career development etc. Teachers from different departments are appointed as chairpersons and members of these committees which also have student representation. In addition to generating a sense of involvement this also leads to feeling of responsibility among the staff members. The committees are able to respond quickly if required resulting in overall efficient administration of the college. The staff exchange ideas and sharing of experiences helps implementation better. It is also easier for students to contact members and seek their advice in solving the issues. These Committees have staff from various departments who are able to use individual creativity and management skills. During their meetings members discuss the issues and decide activities and how they can be implemented. Sometimes students' participation is also required at implantation stage giving them a sense of satisfaction. Seminars and workshops conducted as a quality improvement initiative for enhancing faculty skills are another example of decentralization and participative management. The principal, Heads and other senior faculty members discuss and finalize members of various sub committees for the workshop. For smooth conduct of seminars/workshops various committees are constituted and given authority to further decide course of action. Various committees for Registration, Hospitality, Travelling Accommodation arrangements for delegates/ participants etc, Printing of Brochure/ banner/ poster, certificates and distribution to participants, invitation of all delegates, conduction of events etc. will be formed and committee members take the responsibility of carrying out each designated work whole heartedly. The student volunteers help faculty in various tasks which will in turn help the students to develop teamwork spirit and also to encourage to take up responsibilities and execute without any hesitation. Students are allowed to express and implement their own ideas in consultation with the respective committee coordinator. The non-teaching staff also actively participate in assigned activities like purchase of necessary materials, display of banner, maintaining the overall discipline etc. Thus, delegation of powers and responsibilities to faculty members, non-teaching staff and students results in successful conduction of programme.

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	As our institute is affiliated to University of Mumbai, institute adopts curriculum designed by University of Mumbai. Faculty conduct lectures beyond the syllabus on advanced topics, for competitive exams and provide or arrange hands on training sessions on relevant topics. Students are motivated to do mini projects and prepare working models. Students also give presentations in seminars/ conference and also attend such technical events. Industrial visits are arranged to provide overview of technology applications and acquaint the students with industry. Students are motivated

	for industrial training, internships etc.
Teaching and Learning	<p>The subject distribution is done well in advance for each semester. As per academic calendar, every teacher prepares teaching plan. For experimental part lab manuals are updated. These are further checked by the head of the department to ensure that everything prepared is as per teaching scheme and syllabus given by University. Teachers prepare notes and question banks in their respective subjects. The feedback from students is reviewed and the feedback is communicated to the faculty to make improvements in their teaching process. Further staff meetings will be held regularly to review the syllabus coverage and other issues. Academic Advisory Committee at College level, IQAC and Departmental Advisory Committee give suggestions to improve the Teaching-Learning process. Holding Co-curricular activities like Workshops/Guest Lectures, field visits and internships etc. help to provide industrial exposure to students.</p>
Examination and Evaluation	<p>University of Mumbai has implemented credit based grading system from previous academic year i.e 2016-17. The two internal assessment tests in each subject for all 4 years are suggested to conduct during the semester as per UoM scheme. Students are shown the assessed answer papers to maintain transparency and also allow students to check their performance and know the evaluation process. For some subjects students are required to give presentation. Viva and practical examinations are conducted as per university guidelines. Apart from the University end semester examinations, surprise tests, group discussion and quiz are conducted as continuous assessment of each student. Results after each assessment are displayed on the Exam Notice Boards of respective Departments well on time for the students information.</p>
Research and Development	<p>Faculty and students are encouraged to undertake research projects. Necessary support in terms of study material and lab facilities are provided. Our library is having the facility of many International and</p>

National Journals in both soft and hard copies. Faculties present and publish papers at various conferences/ Journals. Faculty members are sponsored for attending conferences/ seminars and also for doing higher education. Students are encouraged to participate in various quiz, project/ poster presentation competitions. Students are motivated to exhibit their projects at various competitions like SAE BAJA, Hackathon etc.

Library, ICT and Physical Infrastructure / Instrumentation

Our institute is having a very good collection of textbooks, reference books, national and international journals and magazines at our Central Library. Central library is having facilities like reading room, stack room, e-journal reference facility, separate space for Journal/ magazine/ paper sections, reprographic facility etc. ICT facilities like are constantly upgraded. Smart class rooms are also available. Institute has got very good infrastructure in the form of well ventilated and spacious classrooms, laboratories, Seminar halls, Principal cabin, administrative office, examination section, TPO office, huge playground, well equipped gymnasium and indoor sports facility and auditorium with modern amenities etc. Other facilities include canteen, sick room, boys' common room and girls' common room. Departments are provided with cabins for Head, faculty cabins, departmental office, Departmental Library, etc. All laboratories are well equipped with machines/instruments and Computers with required software/models as well as relevant technical charts. CCTV is installed for greater safety of students and staff. Other amenities like Wash rooms for staff and students, drinking water facility, stair and lift facility, necessary facilities for differently abled students, etc are also available in our Institute.

Human Resource Management

The strategic plan of the college emphasizes on enrichment of human resources. Thus, the recruitment of qualified and competent teaching and supporting staff is an important requirement for quality assurance. Institute employs staff through a rigorous, fair and transparent procedure. Recruitment of teachers is

based on merit according to the reservation policy. Faculty members are encouraged to update their knowledge and pedagogy. Institute provides sponsorship and financial assistance to attend various technical events. Campus has excellent recreational facilities. Other facilities like Provident fund/leaves/vacations are provided as per rules. Faculties are sponsored for higher studies to enhance their qualifications.

Industry Interaction / Collaboration

Industry-institute interaction is an important component of quality improvement programme. It provides a platform to solve problems through research, training and consultancy. This interaction helps opportunities for industry exposure to students and faculty through industry visits, internship and industry projects to bridge the gap between the curriculum and industrial practices. This kind of collaboration helps us to keep memorandum of understanding between our institute and industry. Staff and students are getting opportunity to enhance their knowledge and upgrade/upskill through various active MoUs.

Admission of Students

Since our institute is approved by DTE, Maharashtra, the complete centralised admission procedure is followed as per DTE guidelines. The sanctioned intake in each discipline is decided by AICTE. 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 a recognised Facilitation Centre (FC) for online admission process. Aspiring candidates are guided about the entire admission procedure by our admission team. The admission Committee at FC guides the aspirants during form filling, documents verification, confirmation etc. After taking admissions, orientation course is conducted for newly admitted students to familiarize with the college environment, to interact with staff members and to know about the other facilities available in the college as well as in campus.

E-governance area	Details
Planning and Development	Our college prepares academic calendar to plan the academic activities. Each faculty member prepares course plan, and study notes in his/her assigned subject/ lab. The study material will be shared among all students for their reference.
Administration	The academic administration is managed through the learning management ERP system. Faculty uses it for various teaching learning activities like syllabus coverage, question banks, assignments, notices etc. This is also used for students' attendance, conduction of Unit Tests, 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 student's 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. This software is used for 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 !!!				
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)
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	76	Null	26

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Provident Fund, Group Insurance Scheme, Medclaim, Financial support in emergency, special leave for all staff, maternity leave for female staff, sponsorship for higher education.	Provident Fund, Group Insurance Scheme, Medclaim, Financial support in emergency, special leave 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 financial audits as per law are conducted by the approved auditors. Internal audit is carried out at frequent periodically. External audit is carried out once in a year. External Auditor verifies the account details, 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
No Data Entered/Not Applicable !!!		
No file uploaded.		

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	Departmental Audit Team

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

1. The Institute organizes Parent-Teacher Meetings to inform attendance and performance and students to parents regularly. 2. Parents provide their feedback about Teaching-Learning Process. 3. Parents are included in different committees and their suggestions are implemented. 4. Parents support to promote discipline and social responsibility among students.

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

? To improve Soft skills, training programmes are arranged. ? Motivated to attend programmes to upgrade their skills. ? Yoga Session meditation for their better physical and mental health.

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

Submitted SSR in AY 2017-18 and waiting for Peer Team Visit

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 !!!					
View File					

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
Awarness Programme by Internal Complaints Committee	01/09/2017	01/09/2017	50	35
Seminar on "Gender Equity"	10/01/2018	10/01/2018	30	45
Self-defense Technique	08/03/2018	08/03/2018	50	Nil

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
46.29

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	2
Ramp/Rails	Yes	2
Rest Rooms	Yes	2
Scribes for examination	Yes	2

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
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)
PARENT CODE OF CONDUCT	03/07/2017	Any parent who acts in an unacceptable manner (i.e. gross disrespect, threatening, or causing disruption to professional or academic climate) towards any staff member or student may be banned from the school for the duration of the school year. In

		<p>addition such behaviour may constitute grounds for dismissal of a student from school. The Head of School has the authority to determine when this consequence is appropriate.</p>
<p>TEACHERS AND THEIR RESPONSIBILITIES</p>	<p>03/07/2017</p>	<p>Whoever adopts teaching as a profession assumes the obligation to conduct himself/herself in accordance with the ideal of the profession. A teacher is constantly under the scrutiny of his/her students and the society at large. Therefore, every teacher should see that there is no incompatibility between his precepts and practice. The profession further requires that the teachers should be calm, patient and communicative by temperament and amiable in disposition. Every teacher is expected to maintain good relations with the management, executive officials, non teaching staff and the students. • The teaching faculty have an important role in the functioning of the college and they should be the role models to the students. • Adhere to a responsible pattern of conduct and demeanour expected of them by the community • Manage their private affairs in a manner consistent with the dignity of the profession. • Seek to make professional growth continuous through study and research. Express free and frank opinion by participation at professional meetings, seminars, conferences etc. towards the contribution of knowledge: • Maintain</p>

active membership of professional organizations and to strive to improve education and profession through them. • Perform their duties in the form of teaching, tutorial, practical, seminar and research work conscientiously and with dedication. • Co-operate and assist in carrying out the functions relating to the educational responsibilities of the college and the university such as: assisting in appraising applications for admission, advising and counselling students as well as assisting in the conduct of the university and college examinations, including supervision, invigilation and evaluation, setting internal question paper, identifying, evaluators and question paper setters. • participate in extension, co-curricular and extra-curricular activities including community service/ extension work • Teachers should be punctual in their arrival to the college on time and in going to the respective classes. • It is the duty of every teacher to maintain discipline in the classrooms and in the campus. • If she is on leave, it has to be reported to the Head of the Department and to the principal.

ALUMNI CODE OF CONDUCT

03/07/2017

The Alumni committee of Army Institute of Management Technology has adopted this Code of Conduct, which is applicable to the Alumni, Volunteers and Committee

members, and all the team members of the organization. The Code reflects our collective commitment to not only uphold the law but to protect this organization's interests while maintaining the highest standards of ethical conduct. 1. A respectful tone and polite communication are the basis of our committee. It is therefore not permitted to negatively distinguish, mob or ridicule others. 2. Users Members are fully responsible for all publication of any kind (data, information, images etc.) and for all their consequences. 3. Discrimination and defamation of other members or social groups on the grounds of their religion, origin, nationality, economic capacity, sexual orientation, age or gender are explicitly forbidden.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!			
View File			

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

Installed Solar Panel
Rain Water Harvesting
Green landscaping with trees and plants
Non-Plastic Campus
Use of LED Bulbs for saving electricity

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Practice-I Title of the Practice: Green Energy using Solar Photovoltaic (PV) Plant Goal: 1. To identify solution for energy demand and load shedding. 2. To identify feasibility of project 3. To provide evidence of practice The context 1. Load shedding and high energy demand were two main challenges we were facing

during working hours. 2. Variable power supply and load shedding lead to delay many important laboratory practicals and workshop sections. 3. Load shedding was mostly during working hours so we were forced to identify the solution and alternate source of electricity 4. More than 20 lathe machines, 400 computers, fans, lighting load, and various laboratory instruments used to work at same time, so the electricity demand was high in working hours. 5. Solar energy is one of the freely available renewable sources of energy and abundant in tropical country like India. It is the most fundamental among the alternative sources of energy. 6. So, we planned to install Solar Photovoltaic panels as alternate source of energy has been installed to meet the demand and to overcome load shedding issue. The practice 1. As we have to overcome two issues therefore two different type of Solar PV plant have installed as per requirement i.e. ON grid PV plant and OFF grid plant. Grid connected or Grid tied Solar Plant panels that has been synchronized and connected to the grid. 2. It behaves just as any other source connected to the grid. Grid connected solar plants usually only supply excess power to the grid after catering the local load connected. 3. OFF Grid Solar plants are just the same solar plants connected to the loads without connecting it to the utility grid. During load shedding period on grid inverter do not generate electricity even in presence of ample sunlight due to "Anti Islanding Law" being in effect. 4. Need for such Law being in force is that electricity follows a low resistance path and thus in absence of supply from grid the total amount of electricity generated by ON grid inverter would be directly injected in grid. In that case it may lead to any kind of mishap. 5. In our campus there is load shedding on every Friday and thus to cater load we used to run diesel generator. In attempt to make our campus carbon neutral and minimise usage of diesel generation we installed off grid inverter of 100kW on 8/9/2015 that works irrespective of grid supply. Excess energy is stored into batteries which are utilized during excess demand times or in absence of sunlight for critical load viz. CCTV, Outdoor Street lighting, passages lights and so on. 6. We also believed that "Energy Saved is Energy Generated". Emphasizing such phenomenon we have replaced 100 of lights by LEDs which of having 60 less consumption than conventional Tube lights. 7. ON grid Solar system: Inverter: 20 kW 60kW and OFF grid System: Inverter: 100 kW Installation: • ON grid Solar system: Inverter: 60kW is installed in May 2017 but in operational since July 2017 after rate sharing agreement with MSEDCL installation of Net meter. No of panels: 222 Module Capacity: 315wp ON grid Solar system: Inverter: 20kW No of batteries: 120 • OFF grid Solar System: Inverter: 100kW is installed in 2015. No of panels: 400 Module capacity: 100kwp ON grid inverter: 20kW No of batteries: 120 Evidence of success The Solar panels installed on the Terrace (Roof Top) of SSJCET main and mirror building is shown in the photograph below: Percentage of power requirement of the Institutions met by the renewable energy sources: Data Requirement: Months year Power requirement met by Renewable energy sources (kwh) YC-B Total power requirement (kwh) (A) Total power taken from MSEB (XA-B) Renewable energy source Renewable energy generated and used (kwh) (C) Energy supplied to the grid (kwh) (B) Oct. 2017 4900 7430 4916 Solar energy 7414 2514 Sep. 2017 5370 9060 7414 7106 1646 Aug. 2017 3611 10214 9350 4475 864 Jul. 2017 1948 8448 6950 3446 1498 Jun. 2017 1748 8148 6396 3500 1752 1. Power requirement met by renewable energy sources: Units Generated per month: On an average 4000-6000kwh depending on season's variation. From MSEDCL bills it is clear that during daytime (B Zone C Zone) there is no electricity consumption from grid Solar units mentioned in the bills are those units which are exported in this period itself. 2. Total power requirement: For 20 desktops, Energy consumption per Desktop 200watt per hour For 20 Desktops: - 4000 watts per hour • Practical: - 2 Hours Total energy consumption 8000 watts Readings through inverter: 60kW-37443units generated (For Year 2017) 20kW-7000 units generated (For Year 2017) 100kW-70000 units generated (2015 onwards, till date) Resources required are: ON grid System: Solar panels, stands, Batteries. Off grid System:

Inverters, Wires Practice-II Title of the Practice: Students Associations of each Department and Students Council of SSJCET. Goal: • To improve personality, communication skill, acquainted with various competitive exams/ interviews • To conduct relevant training programs, add-on courses, seminars , workshops to bridge the gap between academia and industry • To organize various activities like technical quiz, debate competition, personality contest etc. • To organize events like project competitions, paper presentations etc. to inculcate the interest in research and to explore the possibilities of research. • To develop awareness about participation in different events held at state, national and international level. The Context It is a platform for students to participate actively in the co-curricular activities, organized by students Associations/Students Council. Students joining our institute are from varied background. Student Associations and Students Council organizes skill-oriented co-curricular programs based on the needs of industry. The exposure which students gained out of these programs motivates them to take up challenges and to overcome such challenges. The Practice: • Every Department is having Student Associations with Office bearers selected for every year. Head of Department along with faculty members will be conducting a meeting with students and form the students Association. Various teams will be formed under the Students Association for organizing co-curricular activities at Departmental Level like Industrial Visit, Seminars/ Workshops/ Guest Lectures, etc. In addition to that Student council is formed at Institute level to organize co-curricular activities and extra-curricular activities at Institute level like Sports, Tech Fest, Annual Day, etc. After formation of association the activities are planned for the particular Academic Year. While making plan different suggestions from student and faculty members are considered. For every activity a team is formed including faculty and students. The team is responsible for conducting the activity. • Under the banner of Students Associations, the enrichment courses like communication, soft skill, personality development programs etc. are conducted to improve the standard of students. • Value added programs like seminars, workshops, training programs etc. are organized which impart knowledge to students to make them industry ready and facilitates to be employable. • Expert Lectures, industrial visit programs are arranged to witness the onsite phenomena which cannot be gained inside the class. Evidence of success: • The Students who are participating in activities are appreciated with Prizes and certificates. Attendance of participating students is maintained with Event Head. Notices have been circulated about conduction of activities so that students can take active part in activities. Certificates of Participation is also provided to the students who are participating in Paper Presentation competition in order to encourage and motivate our students to develop interest in Research areas, to promote the leadership abilities and to build the ability work in a team. • Students are actively participating in different activities, it makes a positive improvement in students like personality development, communication skills, management skills, programming skills, emotional balance, etc. • As students and faculty work together, it builds team spirit among students. It also helps in exchanging innovative ideas between students and faculty. It helps in many perspectives for students. Problems Encountered and Resources required: • Students are hesitating to take part in activities because of lack of time due to hectic academic schedule. • To motivate students for participation is challenge.

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

<http://jondhleengg.org/NAAC.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://jondhleengg.org/files/Institute%20Distinctiveness.pdf>

8.Future Plans of Actions for Next Academic Year

? Starting software training courses. ? Collaborations with International Universities ? Developing Incubation Centre Start Ups ? Centre of Excellence in all Departments ? Accreditation by NBA