Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**NAGESH KARAJAGI ORCHID COLLEGE OF ENGINEERING AND TECHNOLOGY, SOLAPUR**
Name of the head of the Institution	**Dr. J. B. Dafedar**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**02172735001**
Mobile no.	**9552529320**
Registered Email	**basgondasonage@orchidengg.ac.in**
Alternate Email	**office@orchidengg.ac.in**
Address	**Gut No. 16, Solapur-Tuljapur Road, Tale Hipparga, Solapur-413002**
City/Town	**Solapur**
State/UT	**Maharashtra**
Pincode	**413002**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr. B. K. Sonage**
Phone no/Alternate Phone no.	**02172735002**
Mobile no.	**9552529320**
Registered Email	**basgondasonage@orchidengg.ac.in**
Alternate Email	**sbasvaraj@rediffmail.com**

3. Website Address

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

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.orchidengg.ac.in/wp-content/uploads/2019/07/Academic-calendar-2019-20-SEM-I-1.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B+**	**2.73**	**2018**	**03-Jul-2018**	**02-Jul-2023**

6. Date of Establishment of IQAC

17-Jul-2017

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Participation in Margdarshan Scheme of	**27-Aug-2018** **1**	**117**

WCE, Sangli		
Motivating students for NPTEL courses.	14-Nov-2018 1	713
Skill Development Programme	14-Nov-2018 1	1937
Subjectwise seminar as a part of continuous assessment to improve presentation skills of students.	25-Feb-2019 1	551
Mini project, audit subject for F.E., S.E. & T.E.	25-Feb-2019 1	1386

8. Provide the list of Special Status conferred 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
Mechanical Department	CSR	DASSASULT SYSYTEM FONDATION PUNE	2018 1	2480000
Mechanical Department	CSR	TATA TECHNOLOGIES LTD	2019 1	150000
Mechanical Department	Project	NKOCET	2019 1	158310
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	4
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)	

• Participation in Margdarshan Scheme of AICTE. • Self-Learning Subject and NPTEL courses. • Skill Development Courses • Improvement in presentation skills of students. • Mini projects, audit subject.

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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
Walchand college of Engineering (WCE), Sangli got fund from AICTE, New Delhi under Margadarshan Scheme for mentoring the institutions who are intending to apply for NBA Accreditation.. It is decided to participate in the scheme for NBA.	Four Faculty members attended one week workshop on "Course Management and Technology Based Teaching". All faculty members became aware of NBA.
All faculty members are motivated to opt for various NPTEL courses.	20 faculty members registered for various NPTEL courses as a Mentor.
Following skill development courses are to be offered to students as part of training. Civil-Total Station/STAAD Pro, CSE-Advanced C prog., C++ prog., ENTC-PCB Design, Introduction to Ardino and Respberrypi, Mech.-CNC programming.	No. of placement increased to 341.
For CA-II of DBATU or ISE of Solapur University for any two subjects, subjectwise students seminar need to be arranged in the class either in extra lecture allotted or during practical sessions. Each students need to independently give presentation for 15 minutes on subject matter/ advanced topics. This need to be implemented for S.E. and T.E. class. Classwise subjects for seminars for CA-II to be decided by HOD.	Presentation skill is increased which is depicted through enhancement in performance during oral exams. Increased student participation in various competition outside the Institute.
Mini project student batches are to be allotted to all guides by adopting following procedure. Declaring the list of guides alongwith area of specialization. Calling the choice of guides from students. Allotment of guides. Some part of major project of final year may be completed as a part of mini project. Student's have to prepare mini project report in the prescribed format. Report to be evaluated through open seminar as per the rubrics for the project. All the faculty members have to write the rubrics considering course outcomes,	Quality of projects increased which is depicted through • Participation in project competition. • Participation in various Hackethons. • Deployment of projects in industries.

program outcomes and their mapping. Audit courses are offered and students are accessed for the performance at College level.	
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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2018
Date of Submission	16-Jan-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)	College MIS: The attendance of the students is maintained on college MIS. The daily attendance is uploaded by faculty of the subject during lecture, to the MIS using Mobile App. The MIS system also provides facilities like Teacher Guardian Module through which the periodic status of the student performance and attendance is informed to their parents. The Administrative Module is used for admission process and to provide different facilities like students can apply and receive Bonafide certificate through the MIS. The MIS provide three kind of mobile applications viz. Student, Parent and Teacher Application which has different modules accessible depending on users. Some of the other modules which are used are Feedback Management module where students provide feedback of a faculty for each semester, E notice Management module which is used for sending notice in SMS format to students and faculty, Student Information System module which is useful for storing student profiles and using it for upcoming semester. College MIS provides a single solution for many daytoday activities. Staff Attendance System: The attendance of the staff is

maintained by the Biomatrix facility provided in our college. The data is stored in the database of the server which can be easily exported in excel format. Using Biomatrix device data you can easily traverse through the list of details and sort according to the requirement. The college also has a portal which is used for providing leave management and generating different reports by taking the data as an input from the Biomatrix device.

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

Planning for curriculum delivery • The college has prepared a wall hanging calendar in which academic activities are indicated. The calendar is provided to the students, teachers & parents for their reference. • Subject distribution and overall departmental planning is done in advance before going to vacation. • All the faculty members prepare teaching plan & course file of their respective subject. • Two continuous assessment tests and mid semester examination are conducted every semester as a part of continuous assessment system. In semester Evaluation (ISE) Marks are given based on the performance of these tests. • The institute is also following a best practice for the department as a team. Every head of department prepares annual targets for various activities & initiatives of the department. The document is shared & discussed with the faculty members. A review of all the targets is taken frequently. Target compliance report is prepared at the end of academic year & improvements are planned based on this report. Effective Delivery & Assessment of Curriculum Delivery • Subject archives are available to the students and regularly updated by subject teachers department wise. Two Terra Byte (TB) hard drive data of NPTEL video lectures are made available. • Final year projects are selected through the visit to the industry by faculty members. • The sponsored projects on industry problem are allotted to students. Industry mentors are identified for projects of different area & mentoring is done by them for the project. • Project diary is maintained for each project group & it is assessed weekly by the project guide. • Project exhibition is held every year for final year projects. The assessment of completed projects is done by industry persons. Top three projects from every department with innovative ideas get the prizes. • Student feedback about teaching learning is taken by HOD in every semester, generally after completion of one month of teaching. • Feedback meeting is conducted by principal with HOD of each department where suggestions are given to faculty member whose feedback is not up to the mark. • Regular faculty meetings are held by the HODs to review the teaching learning process, academic progress of the students, grievances if any, and suitable remedial measures are taken as and when necessary. • Students are assigned various industries for the completion of their industrial training. Following documents are maintained related to curriculum delivery • Teaching plan of respective subject is prepared by faculty member before commencement of each semester & submitted to HOD. • Course file is maintained for each subject by respective faculty member & it is checked by HOD & dean academics. • Attendance is recorded through Central ERP system & also recorded in roll muster as well.

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
Zensar ESD program		12/06/2019	7	employ ability	SQL PL
Total Station		27/05/2019	1	Yes	Skill required for surveying
STTAD PRO		27/05/2019	1	Yes	Skill required for analysis and design
Zensar ESD program		28/05/2018	6	employ ability	Aptitude soft skills
Zensar ESD program		04/06/2018	6	employ ability	SQL
Zensar ESD program		22/06/2018	10	employ ability	Core JAVA
Zensar ESD program		11/03/2019	6	employ ability	Soft skill and aptitude
Zensar ESD program		10/06/2019	2	employ ability	AI ML
Zensar ESD program		29/06/2019	10	employ ability	Core Java

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Civil Engg., CSE, ENTC, Electrical, Mech. Engg.	11/06/2018
Mtech	Structural Engg., CSE, ENTC, Thermal Engg.	11/06/2018

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
BTech	Civil Engg., CSE, ENTC, Electrical, Mech. Engg.	11/06/2018
Mtech	Structural Engg., CSE, ENTC, Thermal Engg.	11/06/2018

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

	Certificate	Diploma Course
Number of Students		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
Soft Skill	02/07/2018	718
Aptitude	02/07/2018	718
Basic Human Rights	02/07/2018	608
Product Design Engineering	01/01/2019	608
Professional Ethics and Human Rights	02/07/2018	567
Zensar ESD program	28/05/2018	76
NPTEL Courses	10/07/2018	315

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Civil	120
BTech	CSE	210
BTech	Electrical	127
BTech	ENTC	78
BTech	Mechanical	137

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

Institute follows the culture to take the feedback in structured and unstructured way. In unstructured way the Head of Department explain the need of feedback and open up the student for the true feedback. The end term feedback is conducted in structured way. The questionnaire is prepared by the head of institute. The students from each class need be filled the supplied feedback form. Once all the form is collected then analysis has done using Microsoft excel. The shortcoming of faculty is addressed.The teaching learning process plays very important role in overall development of the system. The institute conducts unstructured feedback after one month of start of semester when approximately 30 of the syllabus is completed. After first round of feedback, individual reports for faculty members are generated based on the feedback given by students and improvements expected. This is communicated to the faculty for improvement and their further action plan is noted. This feedback of all the faculty is taken by considering overall teaching method ,

student involvement, use of modern tools, understanding of subject to the student, presentation etc. Along with faculty feedback, feedback regarding bus facility, hostel facility and library facility is also taken for improving the system. A meeting of all faculty members in the department with Head of the Department and Principal is arranged to discuss the issues raised by students in the feedback. In this meeting, review is also taken for final year project. As the project is very important aspect of student development, rigorous review is taken on project topic and its implementation. Instructions for improvements are given to the faculty members and remedial methods for improvements are suggested. Newly joined faculty members are advised to attend the lectures of senior faculty members, go through video lectures of faculty from IITs and NITs. If required, the faculty members are asked to discuss with soft skill trainers of the institute, if they have a problem in presentations and communication. After counseling's from HOD, Principal guidance from soft skill trainer. The feedback has been taken for those faculties who require improvement in teaching after completion of 70 syllabus to ensure the improvement betterment in teaching learning process. Study sessions are conducted after completion of syllabus and remedial classes are conducted during semester for few subjects for weaker students. The department prepares timetable for study sessions and as per the schedule, students are made to seat in the class rooms, study a particular subject for three days. During these three days, respective subject teacher is present in the class room for solving problems faced by students. After these three days, a test is conducted to review performance of students. This method resulted into improvement in the results of FE students in final examinations.

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
BTech	Civil	576	518	518
BTech	CSE	477	471	471
BTech	Electrical	288	224	224
BTech	ENTC	477	252	252
BTech	Mechanical	576	472	472
Mtech	Structural Engg.	36	12	12
Mtech	CSE	36	2	2
Mtech	ENTC	36	3	3
Mtech	Thermal Engg.	36	4	4

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	1937	21	105	12	9

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 Toolsand resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
117	92	5	23	11	7

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

Mentoring System The scheme is adapted for the value additions to the students like – • Bridging the gap between the teachers and students. • Creation of a better environment in college, where students can approach teachers for both educational and personal guidance. • Enhancement of knowledge base for both teachers and students alike, due to effective twoway communication. • Awareness and support to students for GATE, GRE, CAT, ISRO, SAIL, NAL, • HAL, NTPC, BSNL, DRDO, BARC, and other Govt. PSUs examinations. • Motivation for higher studies and entrepreneurship. • Advice and support for improvement in academic performance. Proctor System (Ongoing process): • Regular meetings are held between mentor and mentee. • Students are allowed to approach the mentor for both academic personal problems. Personalized professional /career advice is given to the mentee.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1958	117	1:23

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
114	117	0	0	11

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
2018	Dr. P.D. Bahirgonde	Associate Professor	Nation Builder Award, Rotary Club Solapur
2018	Dr. Shriniwas S. Metan	Professor	Nominated on National Board as member of Engineers Education Board of SAE, India

2.5 – Evaluation Process and Reforms

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

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
BTech	622319110	V VII	15/10/2018	25/01/2019

BTech	622319110	III	27/10/2018	28/01/2019
BTech	622319110	VI VIII	10/04/2019	10/07/2019
BTech	622319110	IV	26/04/2019	15/07/2019
BTech	622324210	III	10/10/2018	03/03/2019
BTech	622324210	IV	05/04/2019	10/08/2019
BTech	622324210	V	03/10/2018	07/07/2019
BTech	622324210	VI	07/04/2019	12/08/2019
BTech	622324210	VII	20/10/2018	07/07/2019
BTech	622324210	VIII	10/04/2019	20/06/2019
BTech	622337210	BE PartII	20/05/2019	20/07/2019
BTech	622337210	TE PartII	23/05/2019	27/07/2019
BTech	622361210	III	15/12/2018	15/12/2018
BTech	622361210	IV	27/05/2019	27/05/2019
BTech	622361210	V	14/12/2018	20/01/2019
BTech	622361210	VI	21/05/2019	21/06/2019
BTech	622361210	VII	08/12/2018	20/01/2019
BTech	622361210	VIII	22/05/2019	21/06/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Reforms in Continuous Internal Evaluation System • Reforms in Tests o Question bank is provided to students before tests. o Extra assignments are given to the low performing students. o In addition to two tests, Prelim Exam is conducted for all FE students and Scholar batches of other classes. Prelim papers are arranged after a gap of three days. Wellplanned study sessions are conducted for First Year students during these three days. Respective subject teacher is available in the class. Student prepare for the subject and get the doubts clarified immediately from the teacher. This reform has helped to improve performance of students in internal as well as external evaluation. • Reforms in Assignments o Assignments are given to individual students or in a group for some subjects. o Some assignments are project based to inculcate Project Based Learning environment. o Additional assignments including challenging questions are given to scholar students. • Reforms in Journals o Printed Journals are provided. o Printed journals also include conceptual questions which are based on the practical. o Journals are evaluated and graded every week. • Reforms in Project Evaluation A Project diary, which includes entire schedule of project stages, is prepared and distributed amongst project groups. Project guide monitors and verifies the project completion status on weekly basis. Every month project diary is checked by HOD. • Reforms in Industrial Training Evaluation A faculty mentor is assigned for each group. Mentor visits respective industry for a day during the training period. Evaluation of industrial training is done based on the report submission, mentor observations during training and presentation / viva. • Reforms in Soft skills and Aptitude Assessment For training the students in soft skills and aptitude, four full time trainers are appointed by the institute. Profiling of each student is done at the end of preplacement workshop which is conducted for third year students in summer vacation. Proper guidance at all stages is provided through trainers for their improvements. Student performance is also assessed by the external agencies like Co Cubes, AMCAT, etc.

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

Institute level activities calendar is prepared by Dean Academics. Head of the department incorporates the department activities and based on these, department academic calendar is prepared for academic year. Institute prints a wall hanging calendar which includes the various activities of institute. The wall hanging calendar is distributed amongst various stake holders such as faculties, students and parents. The academic calendar is adhered for conduct of activities.

2.6 – Student Performance and Learning Outcomes

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

https://www.orchidengg.ac.in/civil-engineering/#objectives-and-outcomes

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
622319110	BTech	Civil	152	147	96.71
622324210	BTech	CSE	119	117	93.16
622329310	BTech	Electrical	66	59	89.39
622337210	BTech	ENTC	61	58	95.08
622361210	BTech	Mech.	137	127	92.70

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)

Nil

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
Major Projects	1	Dassault Systems La Foundation	24.8	24.8
Minor Projects	1	Tata Technologies Ltd.	1.5	1.5

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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
IPR awareness	Institute Innovation	20/09/2018

	Council		
Distance Ready Engineer Program by Tata Technology	Mechanical Engineering	02/07/2018	
CNC Machining	Mechanical Engineering	02/07/2018	

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Design Development of acothermo smart room using textile aggro waste	B E civil project batch/Prof Kulkarni S R	N K Orchid College of Engg Technology	12/04/2019	Final Year project
Location tracer of maintenance worker using GPS	B.E. CSE/ Prof. S.S. Jeurkar	NKOCET	12/04/2019	Final Year project
IoT and PLC SCADA smart garbage monitoring system	B.E. CSE/ Prof. Nitin Gawali	NKOCET	12/04/2019	Final Year project
Design and development of cloth duster for textile industries	B.E. Mechanical/ Prof. A.S. Kashid	NKOCET	12/04/2019	Final Year project
Automatic Detection of missing components on a PCB using Raspberry Pi	B.E (ETC) Project batch / Prof. A. A. Chandanshive	NKOCET	12/04/2019	Final year project

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 !!!					

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
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)

International	Civil	6	6.23
International	CSE	9	4.5
International	Mechanical	21	0
International	Electrical	1	0

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
Mechanical Engg.	1

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	11	6	0	45

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

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
Swacchata Abhiyaan	NSS of NKOCET in association with Daily Sakaal Solapur	Sakaal Abhiyan during Ganesh Visarjan for cleaning Siddheshwar temple area	10	74
Swacchata Abhiyaan	NSS of NKOCET	Swacchata Abhiyan at Solapur rly satation on occasion of Gandhi Jayanti	10	74
Swacchata Abhiyaan	NSS of NKOCET	7 day camp arranged at Bibi Darfal village for Swacchata Abhiyan	10	74
Street Play	Cultural Team	Kirloskar International Film Festival	2	5
International Yoga Day	NSS of NKOCET	Swami Vevekanand Kendra	95	1500
Digital India Workshop	NSS of NKOCET	Solapur University	2	10
Voting Awareness Camp	NSS of NKOCET	District Election Commissioner office	10	450
Special Camp at Tale Hipparga Village (Regarding Save Water)	NSS of NKOCET	NKOCET	3	50
Construction of Weir	NSS of NKOCET	NKOCET	2	40
Tree Plantation	NSS of NKOCET	NKOCET	110	400
Save Water Abhiyan	NSS of NKOCET	Sakal News paper Pvt. Ltd.	95	1400
Art Exhibition	NSS of NKOCET	NKOCET	25	150

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
Faculty Exchange	Polytechnic Colleges in and around Solapur	Expert Lecture for Polytechnic students	1

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 !!!					
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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
Walchand college of engineering sangli	01/10/2018	Enriching the technical education process and jointly work for enhancing the quality of education imparted to faculty, staff and students	6
Zensar Technology Limited	16/02/2018	ESD Training Program	76
Dassault Foundation System, Pune	14/09/2018	Solar Innovation Skill Development center	50
Tata Technologies Ltd, Pune	16/01/2018	Innovation and development of SUPRA vehicle	20
No file uploaded.			

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
50	13.85

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Classrooms with Wi-Fi OR LAN	Existing
Others	Existing

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
Egranthalaya	Partially	3.0	2017

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	4802	52109	154	2395	4956	54504
Reference Books	1435	1435	10	10	1445	1445
e-Books	1611	1611	25	25	1636	1636
Journals	83	83	83	83	166	166
e-Journals	0	0	17845	17845	17845	17845
CD & Video	2100	2100	203	203	2303	2303
Digital Database	10500	10500	455	455	10955	10955
No file uploaded.						

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

Name of the Teacher	Name of the Module	Platformon which module is developed	Date of launching e-content
Prof.I. I. Mujawar	ECAD	Video	10/07/2018

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	610	19	100			1	5	100	
Added			10					10	
Total	610	19	110	0	0	1	5	110	0

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

100 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
Archive	\\10.0.9.111

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
58.37	38.13	41.07	21.69

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)

Following Links available on college wesite http:// www. orchidengg.ac.in http://www.orchidengg.ac.in/institutepremises/ Intstitute Premise http://www.orchidengg.ac.in/labs/ Labs http://www.orchidengg.ac.in/library/ Librarary http://www.orchidengg.ac.in/classrooms/ Classroom http://www.orchidengg.ac.in/hostel/ Hostel http://www.orchidengg.ac.in/econtentdevelopment/ eContent Development Facilty http://www.orchidengg.ac.in/ict/ ICT Facilities..

http://www.orchidengg.ac.in

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
Employablilty enhancement scheme	01/07/2018	1937	List attached
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
2018	MPSC/ UPSC	551	551	10	10

2018	GATE	551	551	9	9
2018	GRE	551	551	1	1
2018	IELTS	551	551	3	3
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
list attached	2507	341			
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
2018	7	Civil	Civil	G.H. Raisoni WCE, Sangali NIT, Agartala university, Amravati JSPM, Pune COE, Pune VJTI, Mumbai VIIT, Pune	M.Tech.
2018	1	Electrical	Electrical	VIT, Vellore	M.Tech.
2018	1	ENTC	ENTC	Pace University, NewYork	M.S.
2018	2	Mech.	Mech.	University of New Heaven Conne ctioncut, New York USA, Conventry University UK	M.S.
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year

(eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	9
GRE	1
Any Other	3

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

Activity	Level	Number of Participants
Traditional Day	Institute Level	1937
Rainbow 2019	Institute Level	1937
Art Exhibition	Institute Level	50
SMASH 2019	Institute Level	1937

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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 !!!						

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

Student council is the apex body of students which is formed under the guidelines of the university. Amongst the nominated student council members', one of them is selected as General Secretary. The students' council also comprises of Cultural Secretary, Sports Secretary and NSS Secretary, all class representatives and two ladies representatives. Students can put their problems and suggestions in front of administration through the student council meetings. Minimum three meetings are conducted in a year. Principal is the chairman of the student council. Student council is representative body of the students. It helps to improve communication between the student body, faculty, administration and parents. Goal of the student council is to provide a common objective to make students participate in the development of institute as well as to provide a platform to students for cocurricular and extracurricular activities. It is responsible for all the major technical, cultural, NSS and Sports, activities organized in the institute. In addition to the active student council individual departmental student association such as Mechanical Engineering Students Association (MESA), Civil Engineering Students Association (CESA), Association of Electronics Telecommunication Engineering Students (AXES), Ambitious Canal of Electrical Eggs. (ACEE), Computer Science and Engineering Students Association (CSESA) are also formed for cocurricular and extracurricular development of students. All departmental activities of the students and annual festivals like Teachers' day Engineers' Day, Social activities, Motivational lectures, Sports activities, Project and Technical quiz competition etc arranged by these associations. Activities of association are supported by team of faculty members. Students association plays a vital role in developing leadership skills and responsibility in the students. Student associations organize a wide variety of social, careerrelated guidance sessions, Expert sessions by industry resource persons, industrial visits, etc.

throughout the year to benefit the engineering graduate student community.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Name of trust: Alumni Association of N. K. Orchid College of Engineering Technology, Solapur. Members: 13 Date of registration: 22/03/2018 Registration of Alumni Association is done under the society registration Act, 1860.

5.4.2 – No. of enrolled Alumni:

391

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

195500

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni meet on 26102018 at The Orchid School Baner Alumni meet on 23032019 at NKOCET, Solapur

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)

Nature of Governance The top management, Principal and faculty work in synergy for implementing its vision, mission and quality policy. The leadership provides road map for achieving excellence in technical education and the academic and administrative processes are geared towards realizing this vision. The role of top management, Principal and faculty in design and implementation of quality policy and plans is detailed below: Top Management: Sets objectives in consonance with the quality policies and shares its vision through periodic Governing Body (GB) and Management Executive Committee (MEC) meetings. Creates an organizational culture that is fair, transparent, motivating and conducive to faculty and staff to realize their potential. Makes financial provision to provide infrastructure and facilities suitable for effective services and to cater to further requirements as per growing needs. Principal: Shares vision of the management and decisions taken by the management in weekly meetings conducted with Role Holders. Motivates and monitors team of faculty and staff to realize the institute's vision and mission. Sets targets for academic performances, placements, technical and soft skill development, cocurricular and extracurricular activities. Motivates and participates with faculty members for research, consultancy and strong industryinstitute interaction. Sets up rules regulations of the institution for effective governance, transparent administration and participatory decision making for collective responsibility. 11/13/2017 54/83 Identifies and appoints competent, qualified faculty and ensures technical competency by creating opportunities for faculty to grow professionally. Creates an atmosphere that is challenging, satisfying and ensures faculty retention. Encourages team building. Ensures availability of infrastructure and other facilities to satisfy academic and administrative requirements. Faculty participation in Decision making: The top management of the institute strongly believes in participative management. The daytoday management and administration, deciding academic standards, student development initiatives and industry connect initiatives are planned and implemented by various committees of the faculty members as follows: Role Holders' Committee: This committee consists of all the Heads of departments, Deans and three coordinators viz. Coordinator (NAAC and NBA), Coordinator (IT), Coordinator

(eLearning and eResources). The committee meetings are arranged invariably every Monday at 03:30 pm. Being most important committee in the ladder of decentralization, it plans, implements and reviews all the activities and decisions related with budget, academic, cocurricular and extracurricular initiatives. Implementation of around Twenty five best practices in the institute is the culmination of deliberations in this committee. In short, for last six years, this committee played the role of Internal Quality Assurance Cell of the institute. Internal Quality Assurance Cell (IQAC): As per new NAAC framework guidelines2017, the institute has formulated IQAC, which gives participation to all stakeholders. IQAC takes decisions related with academic, cocurricular and extracurricular initiatives. Local Management Committee (LMC): As per University Act, every institute needs to formulate LMC having members from Management, local members representing different fields of the area, Faculty and staff. The institute has formed LMC since its inception. At least two meetings per annum are conducted. The powers and duties of LMC are budget, creation of teaching and other posts, intake capacities, institute progress.

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	The institute has well qualified and experienced faculty which plays significant role in designing and development of University curriculum. The institute executes the curriculum within the frame work designed by the University by using available resources to its full potential. Academic flexibility for enhanicing teachinglearning process is provided within the timeframe of the courses. Teaching plan of respective subject is prepared by faculty member before commencement of each semester Course file is maintained for each subject by respective faculty member. Along with the curriculum, value addon courses are included such as Environmental Studies and Professional Ethics Human Values. Considering the importance of Soft Skill and Aptitude for students' placements, the institute has added these subjects in the regular timetable. Also, additional training sessions are regularly conducted by external training agencies to nurture professionalism in the students. CBCS syllabus pattern has been implemented and given from academic year 201415 which has given constructive results. To keep the pace with the ever changing technologies practiced in the industry, the institute strives for the continuous enrichment in the syllabus

	of the university. In last five academic years, eighty four courses have been updated and changed. The feedback from students, parents, alumni and faculty members helps in bringing effectiveness in curriculum. The feedback of all stakeholders is recorded considering the needs of the society, economy, environment which helps in the development. The curriculum and teaching learning feedback is recorded, analysed and corrective measures are taken to enhance the learning.
Teaching and Learning	The institute has strong teachinglearning process, that has produced competent and skilled engineering graduates. Considering varied backgrounds and different learning abilities, a lot of emphasis is given on strengthening theoretical and practical knowledge by providing studentcentric teachinglearning pedagogies. Students' basic learning levels of Blooms Taxonomy, viz., Remembering, Understanding and Applying are developed through innovative classroom instructions using videos, animations and industrial visits etc. Students are encouraged to develop higher learning levels viz. Analysing, Evaluating and Creating through experiential and participative learning methodologies. The outcome has been reflected in 75 university ranks, 94 students qualified GATE exams and 25 students got admission in universities abroad in six years. Active learning methods are practiced in the institute. With the effective use of ICT, the teachinglearning process has been transformed, wherein students are made to learn through NPTEL courses, spoken tutorials, video recorded faculty lectures, animations, simulation software. Along with these classroom practices, Industry visits, focused industrial training, sponsored projects develop their engineering skills leading to IndustryReady Engineers. While finalizing projects emphasis is given to applied projects based on industry problems. The active learning practices combined with strong industry exposure has resulted in 549 placements in last five years. 11/13/2017 4/83 Transparent evaluation process is practiced in the institute, as students

		are made aware about different evaluation procedures during student orientation programs conducted in beginning of every semester. As a result the institute has emerged as pioneer in implementing excellence in academics, placements and higher studies and as the preferred destination for engineering education.
	Examination and Evaluation	Curricular activities such as schedule of Test (I and II), internal practical oral exam, prelim exam, project exhibition, commencement of GATE classes, industrial training, etc. are also included. In addition to all these academic activities, cultural, cocurricular activities such as Orchitech, Smash, Rainbow, NSS activities, Foundation Day are also included in the academic calendar. Unit Tests As a part of internal evaluation, according to academic calendar, two tests are conducted. Generally, in the first semester test one is conducted in the month of August with a gap of one day for each paper and second test is conducted in the month of September. In second semester, two tests are conducted in the months of February and March. Internal Practical Oral Exam The practical oral examinations play a key role in assessing students skills acquired during practical sessions. The internal practical oral exams are conducted as per academic calendar in third week of October in semester one and third week of April in semester two. The marks secured by students are considered for internal evaluation.
	Research and Development	As an innovative institute, NKOCET aims at contributing to the society through technical and social activities by framing and implementing research oriented practices. To create an ecosystem for research and innovation the institute took progressive steps and have sponsored 27 faculty members for Ph.D to various institutes of national repute out of which 11 faculty members have completed doctoral degree uptil now. The institute has created the culture of applied research through academic projects. The faculty members and students are involved in the academic projects which are dealing with the industrial problem and few industries are also funding such

	projects. Few projects have been carried in collaboration with IIT,Bombay. The well planned ecosystem for research and innovation has fetched 165 publications in international journals, 84 sponsored projects. The institute also sensitizes the students to participate in social activities. In last five years 20 extension programs have been conducted in collaboration with various industry, NGO'S etc. and students have participated in various extension activities like Swaccha Bharat Abhiyan, AIDS awareness, Gender issue etc. Being an Engineering institute NKOCET emphasises on aligning the students with the industrial needs. In last five years the institute has developed a good industry connect and has conducted 2633 activities in various domains in which industry representatives, teachers and students are have involved. Institute has signed 20 MOU's with various industries, which gives platform for a very good IndustyInstitute interaction.
Library, ICT and Physical Infrastructure / Instrumentation	The institute facilitates all the necessary infrastructural facilities which are over and above the norms of the regulating body. The Institute infrastructure has created a very good ambience for teachinglearning process. All the classrooms, seminar halls and conference rooms are provided with necessary ICT support. All departments have established well equipped laboratories. Computing infrastructure is the key requirement for any technical institute. The Institute has provided excellent computing facilities. A separate IT team is employed to design, establish and maintain the IT infrastructure in the campus. All the computers are connected with a gigabit network. Dell servers are configured and maintained on which various application servers such as LDAP, Tally, DHCP servers are installed. The central library is fully equipped with all the necessary requirements. The institute has started a new initiative i.e. Book Bank Scheme for every student. Under this scheme every student gets a full set of books throughout the semester. The facilities of the Library include: OPAC, periodical display, spacious reading hall, round the clock library facility

	during examination time. Institute motivates the students to participate in extracurricular and cocurricular activities. Institute has facilitated Cricket ground, KhoKho, Kabadi, Volley Ball court, table tennis boards, gymnasium and adequate sports equipments to conduct various sports/games events. Annual sports event SMASH and cultural event RAINBOW are conducted every year. Students have bagged many awards in sports and cultural events.
Human Resource Management	Performance appraisal system (PAS) is designed for faculty and staff members. The PAS for faculty members includes performance of faculty members in areas such as Results, Student Feedback, Contribution in R D, Cocurricular and ExtraCurricular activities and assessment by higher authorities. Minimum expectation levels are defined for each cadre addressing contributions appropriate to the cadre. Every faculty member submits a performance appraisal, designed to capture the performance in all spheres. As per minimum performance expectation guidelines defined in the Role Holders' meeting, the incumbent assistant professor should focus more on academics and teaching pedagogies. For Assistant professor having moderate experience between 2 – 5 years, apart from having better performance in academic content delivery and quality of results, one should try to establish good connect with industry, contribute in department level and institute level cocurricular and extracurricular activities. Senior faculty members should focus on Research and Development activities and try to publish papers in reputed national and international journals. Also they should try to get sponsored projects from industries. Faculty members working at the level of Professor should try to get research grants by writing proposals to various agencies. The college administration addresses all the issues related to appraisal system of the staff and evaluates it. The faculty submits SelfAppraisal Report which is assessed by the Head of Department and Dean (Admin) and reported to the Principal. Low performing faculty members are counseled by Head of the department and

	Dean (Admin). Suggestions are given to overcome shortcomings and efforts are taken to motivate the faculty to perform better. In extreme cases letters of nonperformance are given. Policy is defined for dealing with the cases of consistent nonperformers. Performance appraisal forms are separately designed for each cadre of nonteaching staff (Technical assistant, Clerk, peon, Housekeeping staff, security staff) addressing contributions appropriate for the cadre. Each staff submits his/her performance appraisal, which is assessed by head of the respective unit and reviewed every year.
Industry Interaction / Collaboration	Final Year Projects and Mini projects Faculty visits industry and finds the problems faced by industry. The part of problem is given to students as final year project or mini project. Some projects are sponsored by industries. Society related problems are identified at departmental level. Numbers of problems related to Solapur Smart City are identified. Efforts are made to solve these problems through different project groups. Projects are assessed by Industry experts during project exhibition. Industrial Training A mentor is assigned to each Student group. Faculty mentors visit the industry during the training period. The industrial training report includes completion certificate, brief profile of industry, products and services offered by industry, work done during training and outcome of the training. Industrial training is also made compulsory for the faculty members.
Admission of Students	Two separate admission committees are formed to look after first year admission and direct second year admission at Institute level. These members plan and execute the various activities related to enhancing the admission of UG, PG both.

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

E-governace area	Details
Administration	Bio metric attendance for teaching and nonteaching staff. ERP for student support.
Finance and Accounts	Tally based accounting system. Receipt of fees from student through digital

	payment.
Student Admission and Support	ERP for admission, attendance, issuing various documents such bonafide, fee structure, transfer certificate etc.
Examination	Some faculty members conduct online objective based examination for Unit Tests.

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)
2018	IITB FDP101x:"Foundation Program in ICT of Education"		08/03/2018	12/04/2018	21	0
2018	IITB FDP201xPedagogy for online blended teaching learning process		03/05/2018	30/05/2018	8	0
2018	One week workshop on "NBA Accreditation"		22/04/2018	26/04/2018	40	0
2019	One day Workshop on Moodle Learning Management System _		15/03/2019	15/03/2019	35	0
2019	Python workshop for		22/06/2019	22/06/2019	13	0

	Teachers				
2019	One Day Workshop on Scilab,		04/05/2019	04/05/2019	21	0
2019	Linux main workshop		23/08/2019	23/08/2019	24	0
2019	One day workshop on eSim, a First Course in the IoT Series for Teachers		21/09/2019	21/09/2019	15	0
2019	Evaluating student's performanc e and designing Question papers		25/02/2019	01/03/2019	0	0

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
95	22	79	20

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
• Fee waiver scheme for the wards of employees: 50 fee waiver is given to children of faculty staff members who take admission in our institute. • Special Allowance is given to role holders for recognizing their additional efforts. For Deans Rs. 5,000/ per month, For HODs Rs. 5,000/ per month and for departmental T P Coordinators Rs.1,500/	• Fee waiver scheme for the wards of employees: 50 fee waiver is given to children of faculty staff members who take admission in our institute. • Personal Accident Insurance (Group Insurance Scheme) • Uniform to Class – IV Staff: Institute provides Two sets of uniform with supporting accessories every year to all ClassIV employees i.e. peons, housekeeping staff,	• Provision of all scholarship schemes of Central Govt. and state govt. • Installment in fees • Prizes for meritorious students • AICTE scheme for TFWS for meritorious students

per month is given as special allowance. • Financial assistance is provided to faculty members to pursue higher studies. • Incentive for Research Publications: Institute offers research incentives for publications of research articles in national international journals and conferences. This scheme is introduced in the institute to promote quality research and motivate faculty members to write research articles. Incentive for paper publication in National and international peer reviewed Journals is Rs. 2,500/ • Personal Accident Insurance (Group Insurance Scheme) • Provision for EPF is made for regular employees.182 faculty and staff are availing this scheme • Gratuity Scheme	security staff, gardening staff. • Provision for EPF is made for regular employees.182 faculty and staff are availing this scheme • Gratuity Scheme	

6.4 – Financial Management and Resource Mobilization

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

Our institute regularly follows internal and external Audit system. Institute adopting the mercantile accounting system. The internal audit continuously done every week by Mr. S. G. Ingale and Associates, firm Chartered Accountant, Solapur and the statutory audit done quarterly by Mr. K. K. Bhagwat and Associates, Pune. • Our institute fallows the guidelines and directives of the Internal and statutory Auditor time to time. • Any queries raised during audit, rectifys immediately by us. • The suggestions of Auditor regarding accounting system and any amendments in Acts are being followed. • The Audit report Income and Expenditure Account get certified by our statutory auditor every year. • The Audit report is prepared as per the guidelines of Trust Act. and the Audit note is prepared by the Auditor along with the report every year. • Our Turst Pradnya Niketan Education Society files the Income Tax returns every 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 !!!		
View File		

6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	DBATU	Yes	Dean Academics
Administrative	Yes	Mr. S. G. Ingale and Associates, firm Chartered Accountant, Solapur and the statutory audit done quarterly by Mr. K. K. Bhagwat and Associates, Pune.	Yes	Registrar

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

PTA stands for Parent Teacher Association, an organization with a mission to make the college a better place for the students to learn. To maintain continued association between the parents and teachers and to promote activities for the wellbeing of the students a Parent Teacher Association is formed. The Association meets at intervals to discuss various problems relating to the general welfare of the students. Therefore, we are putting the efforts in preparing for the establishment of the "ParentTeacher Association" (PTA) of our college. The aim of the PTA is to help the development of our children through close homecollege cooperation and excellent education services. The PTA committee is formed considering minimum two parents from all the class. The general body of the Parent Teachers Association (PTA) meets twice in every year one at the beginning of the academic year and the other at the end. Parents Meet A parentteacher meet is a meeting between parent and teacher to discuss students' progress in college. This meeting may take place as part of the regularlyscheduled meetings held by the college each year. teachers believe that a strong partnership between the home and college will help children succeed in college. In every semester we conduct a parent meet. According to schedule prepared at the start of every academic year. We conduct the parent meet class (S.E., T.E., B.E.) wise. In the parents meet, Department HOD will give brief presentation about department achievements Best practices implemented in the department, Dean TP will give brief introduction about placement activities carried out during the academic year, GATE coordinator will give presentation about GATE activities carried out during year. At the last we take parents feedback related to academic and overall development of the students. Parents connect In addition to Parent Teacher Association and ParentTeacher meet we send the SMS to the parents about the student's monthly attendance and test marks of the students. The SMS is sent to the parents in every month. Due to this closed loop system parents will come to know about their ward performance continuously. Apart from this system, we weekly conduct proctor system in which proctor teacher with batch of 20 students conduct meeting related to the student's different academic issues. At the same time proctor teacher takes follow up by calling to the parents about SMS sent to the parents in every month.

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

* One day workshop on Fire and safety Management to all Nonteaching and support

staff • Participation of our admin staff in Refresher course organized by DBATU Baha'1 at pachgani. • NPTEL Soft skill Development course for all Nonteaching staff

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

Formation of Institute's Innovation council As per directives of AICTE and MHRD our institute has set up Institute's Innovation Council. The main objectives of the council are • To create a vibrant local innovation ecosystem • Startup supporting Mechanism in institute • Prepare institute for Atal and NIRF Ranking • Organize Hackathons, idea competition, minichallenges etc. with the involvement of industries. • Organize periodic workshops/ seminars/ interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators. MOU with Patent Attorney PSPIP ASSOCIATES, PUNE To help in drafting the patents and filing the patents our institute has signed an MOU with an organization in Pune named PSPIP Associates

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Participation in Margdarshan Scheme of WCE, Sangli	27/08/2018	27/08/2018	26/08/2019	100
2018	Motivating students for NPTEL courses.	14/11/2019	14/11/2018	14/12/2018	400
2018	Skill Development Programme	14/11/2018	14/11/2018	14/12/2018	300
2019	Subjectwise seminar as a part of continuous assessment to improve presentation skills of students.	25/02/2019	25/02/2019	25/03/2019	400
2019	Mini project, audit subject for F.E., S.E. T.E.	25/02/2019	25/02/2019	24/04/2019	1000

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
Poster Competition Indian Women Yesterday, Today and Tomorrow	09/03/2019	09/03/2019	15	0
Motivational Speech on Women's Day	09/03/2019	09/03/2019	350	0
Play on gender equity	15/10/2018	15/10/2018	9	4

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
23.99

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	No	0
Ramp/Rails	Yes	2
Braille Software/facilities	No	0
Rest Rooms	No	0
Scribes for examination	No	0
Special skill development for differently abled students	No	0
Any other similar facility	No	0

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 !!!							

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

Title	Date of publication	Follow up(max 100 words)

Code of conduct for student, staff and faculty	01/07/2018	Service rules and code of conduct for teachers and principal are in place and establishment section is having continuous follow up. The various issues related to leave, appointments, retirements, termination of services, resignation, daily attendance are handled by the establishment section. Grievances Redressal Cell is formed in the institute to solve the complaints and disputes of the faculty members, students and parents. Faculty members may submit their complaints to this committee. The secretary of the committee is the institute registrar. Similarly there is code of conduct for students which student needs to follow strictly and it is observed by the subject teachers, classcoordinator and HODs. Student needs to follow the rules related to attendance, ragging prohibition act, class test and assignments, timing of college, hostel rules for boys and girls, use of mobile phones in class and labs etc. Students should follow the dress code as defined by the institute. Smoking on the campus is strictly prohibited. Student should follow all the rules, acts and laws enforced by the Government of Maharashtra. Theft or abuse of the Institute property is punishable. Indulging in any form of Harassment and Discrimination of any kind is strictly prohibited.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Professional Ethics Lectures for TE(Civil)	02/07/2018	30/09/2018	145
Basic Human Rights Lectures for SE (Civil)	01/01/2019	31/03/2019	150
Savitribai Fhule Jayanti	03/01/2019	03/01/2019	9
Jijau Masaheb Jayanti	12/01/2019	12/01/2019	9
Netaji Subhashchandra Bhos Jayanti	23/01/2019	23/01/2019	7
Sant Sevalal Maharaj Jayanti	15/02/2019	15/02/2019	10
Chatrapati Shivaji Maharaj Jayanti	15/02/2019	15/02/2019	130
Sant Gadage Baba Maharaj Jayanti	23/02/2019	23/02/2019	12
Shahid Din	23/03/2019	23/03/2019	11
Mahatma Jotiba Fhule Jayanti	11/04/2019	11/04/2019	9
Dr. Babasaheb Ambedkar Jayanti	14/04/2019	14/04/2019	5
Mahatma Basveshwar Jayanti	18/04/2019	18/04/2019	9
Sant Tukdoji Maharaj Jayanti	30/04/2019	30/04/2019	3
Swatantryaveer Savarkar Jayanti	24/05/2019	24/05/2019	7
Ahillyadevi Holkar Jayanti	31/05/2019	31/05/2019	8
Maharana Pratap Jayanti	16/06/2019	16/06/2019	8
Rajashri Shahu Maharaj Jayanti	26/06/2019	26/06/2019	10
Vasatrao Naik Jayanti	01/07/2018	01/07/2018	9
Sahityaratna Annabhau Sathe Jyanti	01/08/2018	01/08/2018	9
Krantisigh Nana Patil Jayanti	03/08/2018	03/08/2018	9
Raje Umaji Naik Jyanti	07/09/2018	07/09/2019	9

Pandit Dindayal Upadhyay Jayanti	25/09/2018	25/09/2019	9
Mahatma Gandhi Jayanti	02/10/2018	02/10/2018	12
Lalbahadur Shastri Jayanti	24/10/2018	24/10/2018	12
Dr. A.P.J. Abdul Kalam Jayanti	15/10/2018	15/10/2018	10
Maharshi Valmiki Jayanti	24/10/2018	24/10/2018	8
Indira Gandhi Punyatithi	31/10/2018	31/10/2018	11
Vallabhbai Patel Jayanti	31/10/2018	31/10/2018	11

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

1. Tree Plantation, 2. Solid Waste Disposal Composting, 3. Wet Land / Waste Water Treatment, 4. Rain Water Harevested Water used ofr irrigating lawns, 5.RO Wast Water Reuse for recharging ground water of borewell, 6. Model Making Competition on Best Out of Waste

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

URL provided below.

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

https://www.orchidengg.ac.in/iqac/best-practices/

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

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. The Institute's Vision is "Locally Rooted, Globally Competent Education" Commensurate to its vision statement, Institute has prepared its mission and quality policies. As per NASSCOM survey, only 10 engineering graduates are employable in MNCs. The Institute has accepted this as a challenge and devised the system of Globally Competent education, with four dimensions: Dimension – 1.Acquiring Knowledge than Marks To impart real knowledge to students: ? To strive for excellence in our teaching – learning process, encouraging creativity and critical thinking. Following initiatives are implemented: o For concept clarity Videos and animations are used as effective tools while teaching. o Subject wise archives containing Video lectures, Animations, previous Exam Question Papers, MCQs with answer keys and Notes are made available. o To enhance learning ability of students NPTEL video lectures, Spoken Tutorial and NPTEL courses are provided. o Institute has achieved excellent academic results in Solapur and DBATU University since its inception. Every year, University declares ten ranks per department for final year. There are fifteen Engineering Colleges in University. Its pride to mention here that, maximum ranks in university are bagged by our students. Following table depicts achievement of the students. Year No. of University Rankers CIVIL MECH ENTC CSE ELECTRICAL 201819 1 4 4 3 5

o The students showed good performance in GATE 2019 exam. In academic year 201819 total 12 students qualified GATE 2019 exam and 3 students got admissions in Universities abroad by qualifying GRE/IELTS/TOFEL exams. Dimension – 2.Soft Skill Development The mission statement is: Providing holistic education for the student's personality development o A novel concept of soft skill training is introduced for engineering students which comprises of 4 modules meant for personal and professional advancement of future engineers. o Aptitude Training: To impart training on aptitude, weekly two hours have been included in time table. Dimension – 3.Strong Industry Connect The mission statement is: Pursuing Industry –Institute interaction o Third year engineering students from all branches undergo two weeks Industry training at various industries across the state. It is ensured that students undergo focused industrial training under faculty guidance. o Students are motivated to do their final year projects on the problems from industries or a project useful to society and having local relevance. o A students' project group is allocated to an Industry Expert who is their comentor. o It is mandatory for Faculties to undergo one month industrial training within two years of joining. o To provide better industrial training to the students and get project sponsorship, MoUs are signed with different Industries by each department. Dimension – 4. Co curricular Courses o To enhance additional technical skills required by industries, every department conducts two cocurricular courses for students. The end result of this globally competent education can be clearly seen through the placements of in 201819.

Year No. of

Provide the weblink of the institution
https://www.orchidengg.ac.in/iqac/institutional-distinctiveness/

8.Future Plans of Actions for Next Academic Year

1) NBA Accreditation, 2) Research Proposals submission, 3) Establishment new departments such as Artificial Intelligence and Machine Learning, 4) Tree plantation, 5) Enhancing quality placement, 6) Increasing participation in Hackathon and similar competition, 7) Establishment of Institute Innovation Council.