Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**DR. DAULATRAO AHER COLLEGE OF ENGINEERING,KARAD**
Name of the head of the Institution	**Dr. A. M. Mulla**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**02164272701**
Mobile no.	**8600339786**
Registered Email	**principal@dacoe.ac.in**
Alternate Email	**ammaitp@rediffmail.com**
Address	**Vidyanagar Extn., Banawadi**
City/Town	**Karad, Dist. Satara**
State/UT	**Maharashtra**
Pincode	**415124**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Mr. Sunil D. Bagade**
Phone no/Alternate Phone no.	**02164272701**
Mobile no.	**7588065638**
Registered Email	**iqac@dacoe.ac.in**
Alternate Email	**sdbagade.mech@dacoe.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://dacoe.ac.in/uploads/naac/Insti/Submitted%20AQAR%202018-19.pdf

4. Whether Academic Calendar prepared during the year

Yes

if yes,whether it is uploaded in the institutional website: Weblink :	http://dacoe.ac.in/uploads/academics/Daulatrao%20Aher%20%20Academic%20Calender%202019.jpg

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B+	2.55	2017	28-Mar-2017	27-Mar-2022

6. Date of Establishment of IQAC

21-Apr-2016

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

Revised Process of NAAC and its Preparation	06-Dec-2019 2	59
Personality Development	11-Mar-2020 1	61
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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
Nil	NA	Not Applicable	2020 0	0
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View File]()
10. Number of IQAC meetings held during the year :	**1**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**No**
Upload the minutes of meeting and action taken report	**No Files Uploaded !!!**
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)

Timely submission of Annual Quality Assurance Report (AQAR) to NAAC Organization Workshop on Revised Process of NAAC and its Preparation Organization Workshop on Personality Development Academic Administrative Audit (AAA) conducted through HoD. Skill Development through Training and Placement Office.

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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
Enhancing academic excellence	Preparing the course file

Organization of workshop, seminar and skill-based training by the Training and Placement Unit. The college plans to organize job interviews by local companies and also organize interactive sessions of final year students with skilled professionals and alumni	No of workshops arranged by departments and TPO
Organization of seminar and workshop by the IQAC to promote the quality improvement strategies in teaching-learning, research, extension related and co-and extracurricular activities.	One workshop for teaching and one for non teaching
Encouraging faculty members to complete their doctoral degrees and to continue research activities through quality publications and research projects.	Financial support was given to faculty members to publish research work.
Increasing the number of environment-friendly initiatives by NSS and ensuring the participation of maximum students in such initiatives	Adopted a village (Tembu)where students carried out various activities to improve there leaving like 1. cleanliness campaign 2. Tree Plantation 3. Small road construction Students also actively participate in Krishna River Cleaning Campaign by KARAD municipal Corporation
Promoting the participation of students and staff in seminars, workshops, sports and cultural activities organized by the college and external agencies	Encouraging staff and students to attain at least one workshop per year
Promoting activities such as Sports, physical exercise, meditation etc. related to the development of mental and physical fitness of students, faculty and staff.	Yoga day arranged
In order to motivate students Socially Relevant Projects have been designed and initiated	some batches are taken environmental friendly projects
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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	2021

Date of Submission	04-Mar-2021
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)	The institution have Management Information System Partial. MIS makes use of information technology to help ensure a smooth and efficient running of the office and accounts. Which helps in financial planning, Cost accounting, Asset accounting, Accounts receivable, Payroll Accounts payable, etc...

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

As the guidelines are given by Shivaji University, Kolhapur, by referring to previous academic calenders institute and department prepare an academic calendar for the current Academic Year. According to Choice and expertise in subjects, subjects are allotted to all faculties. Every Faculty prepares a course file. The following activities are performed by faculty members. • Plan for the semester. • Lesson and Practical Plan preparation • Lectures and Practical's conduction as per schedule • Maintaining Academic Diary • Maintaining CAS sheets. • Conducting tutorials • Conducting class tests, preliminary examinations • Conducting Seminars • Organizing expert lectures and workshops The time table prepared and circulated to the faculty members. The Institute is committed to follow the academic calendar and deliver a quality curriculum as detailed below: Planning of course: Faculties are use teaching methods such as PowerPoint presentations, assignments, discussions, workshops, seminars, industrial visits, industrial trainings apart from traditional teaching methods. The Head of departments conduct their department meetings and develop academic plan. In such meetings, the Head of departments takes suggestions from faculties and depending on suggestions finalizes the activities to be conducted time by time. The course file prepared by faculties generally contains the following points • Time table(Master Time Table, Individual Time Table, etc.) • Academic Calender(Institute, department) • Syllabus • Target result • Teaching plan • Subject notes, PPTs , handouts • Content beyond the syllabus • Question papers of University • Unit test / preliminary examination question papers. • Sample answer sheets of students (Best, Average, Poor). • Assignment questions. • Sample copy of the completed assignment from students. The principal of the institute also take meetings regarding departmental activities with all heads of departments. Academic Audit: Academic Cell including Principal, Dean Academics, Head of Departments and Departmental Academic Coordinators check academic Diaries, lesson plans, and the course files regularly. Academic Audit ensures smooth conduct of academic activities. • Academic diary contains class-wise student attendance, topics covered during semester, test marks obtained by students, No.of assignments, seminars attended by students. Guest lectures, workshops, training programs are arranged time by time. Students are made aware of the latest developments in their respective fields through guest lectures by academic / industry experts, workshops, seminars and industrial visits, etc. • Teaching

feedback is taken from the students Feedback is taken online with the help of the Coordinator and Class Teachers. Every course coordinator is made aware of student's feedback reports to takes necessary steps/measures in case of improvements required. The course co-ordinator assesses student's practical performance according to CAS (Continuous Assessment Sheet). As per the B.Tech and B.E. pattern, The Mid Sem Exams(MSE) and Unit Tests are taken and evaluated. Invited Lectures: To give extra knowledge to students the experts from industry, academic institutes are invited for the guest lectures, Training. Mentoring of Students: Students discussed their problems with Mentors. Meeting with students are arranged in every month by Mentors. As per guidelines given by the University Final University exam is conducted at the end of the semester as per the university schedule. Then after declaring the result by the University result analysis is done.

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
Advancement in I.C. Engine Vehicle System Nil 16/12/2019 5 Yes Practical Knowledge	Nil	16/12/2019	5	Yes	Practical Knowledge
STTP on "Artificial Intelligence and Machine Learning"	Nil	17/06/2019	5	Yes	Practical Knowledge

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Nil	31/05/2020

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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
Nill	NIL	31/05/2019

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

	Certificate	Diploma Course
Number of Students	Nil	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

Aptitude Soft skills Training	03/03/2020	67

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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
BE	CSE, ETC, Mechanical & Civil Engg.	319

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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	No
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

Feedback is required to ensure about smooth execution of academic activities of the Institute. Along with academics Institution follows formal feedback system through questionnaire (feedback form). Online feedback is taken from the students during the academic year. Other stakeholders like parents, Alumni are also gives feedback. Meetings with parents, Alumni are arranged in the institute. Feedbacks are taken through meetings with students, parents and alumni. Student Feedback: During each semester the online feedback and suggestions are taken from students. Feedback coordinator takes the feedback of students with the help of Class Teacher. Suggestions are taken from students and these are implemented effectively for proper delivery of curriculum. In this feedback process Students assess their course coordinator (Theory and Practical) on the basis of series of online questions given to them. Student's feedback report is shown to every course co-ordinator to take necessary measures in case of improvements required as suggested in the feedback. Course coordinator receives feedback letter and add extra efforts required for improvements in the further feedback. Those faculties have better feedback are appreciated by the H.O.D. in the departmental meeting. Parent feedback: Parent is one of the important stakeholder for development of institute. Most of the parents visit the departments of their students. They discuss about the progress of students as well as other points. For making this process very smooth Parent meet is arranged by Every department separately at each semester and parents of each student are called for meeting. Class teachers prepares invitation letters for each parent. Invitation letters are send to each parent through students. Progress of student is discussed with parents and suggestions are taken from parents for proper delivery of curriculum. Refreshment is also provided to each parent. In addition to these meetings parents are gathered in the auditorium and Principal sir gives presentation about progress of institute with respect to various parameters so that parents are also becomes familiar with the institute. Alumni feedback: In addition with students and parents Alumni of the institute are also plays important role in the growth of institute. Alumni meets are planned for every academic Year and arrange either

in institute or the place which is convenient for all Alumni. Alumni's are invited to share their experience with students. Mostly they are invited during the annual gathering function of the institute. Suggestions are taken and discuss in the meetings to take necessary initiatives towards the views of the Alumni. Refreshment is also provided to each alumni. In the academic year Alumni Success stories programmes are arranged by each department. Alumni of different fields are invited for these programs. Students are gathered in the auditorium and Alumni guides the students. They shares their experience of their journey of success. Allowance is also provided to those Alumni by each department. The suggestions are taken from stakeholders and resolved through the proper channel. The students and faculty members work together to achieve goals of the institute and play important role in enriching the curriculum to its effective implementation.

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 Engineering	60	28	28
BTech	Computer Science & Engineering	60	56	56
BTech	Electronics & Telecomm. Engineering	60	27	27
BTech	Mechanical Engineering	60	13	13
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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
2019	1043	Nill	65	Nill	Nill

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
65	61	10	13	Nill	43
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)

Faculty member is assigned a group of 15-20 students for monitoring of all academic, personal and psycho-social support activities carried out by the student. If students face any academic problems while studying, academic advice is provided to help students to find solutions by the member of academic advisory committee referred by respective mentor. The academic advice service is an independent, free and confidential service that is accessible to all students. Each faculty member of the department is associated with Mentorship programme with the task of mentoring 15 to 20 students. Mentor meeting is arranged in every month to understand and solve student's problems related to academic as well as personal. This is to strengthen the bonds of appreciation and affection that exists between the teachers and students. Institute tracks student performance by continuous monitoring the performance of every student. The performance is checked by counseling and mentoring the students through mentor system. We collect the feedback from them regarding the basic needs and kind of environment they prefer to maintain quality. ? Identification of talent among students from mentoring mechanism. Academic and Career Mentoring: The institute provides regular counseling to the students to address issues relating to their academic shortfall and obstacles. The students, at the time of the admission, are guided by the faculty in choosing appropriate branch. They are counseled adequately to shape their career. Personalized counseling and parental care is made possible by Mentor Mentee Schemes practiced in the Institute. The institute encourages the students towards taking up higher studies and research. Aptitude, soft skill and technical skill classes are arranged for the students apart from their normal classes through special scheduled classes. Personal and Psycho-social Mentoring: The mentors perform regular interaction with the students placed under their mentorship at a one-to-one level. The students are encouraged to share their personal problem and a friendly environment is provided to make them comfortable to share their personal problems. The mentors maintain secrecy of any personal information and takes necessary corrective steps in consultation with senior official staffs, thereby addressing personal problems. In the institute student come across various issues during their studies. Sometimes, the students who are unable to take the right decisions psychiatric overcome psychological issues and handle different problems. Personal counseling is provided by the institute with the help of psychiatric to overcome such situations. The psychiatric visits periodically to the institute for counseling. They are counseled to become better human beings and to stand and face different situations. The admitted students of our institute are mostly from nearby rural area. Most of them have completed SSC education in Marathi medium and face difficulties to adapt engineering education in English medium. The students are hesitating in asking for guidance and help for his difficulties in studies. This tends to drop out from engineering education. So the institute decided to address these issues through mentor system and provide them the necessary moral and emotional support that they needed most.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1043	65	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
67	67	Nill	Nill	5

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2020	Mr. A.M. Zende	Associate Professor	International society for water,Envi.,Energyand Society(IAWEES) Membership No.5135 in year 2020
2020	Mr. S.P. Chavan	Assistant	SUK ,grant

		Professor	received for research proposal
2020	Mr. H.K. Shete	Assistant Professor	SUK ,grant received for research proposal
2020	Mr. V. N. Gandhe	Assistant Professor	SUK ,grant received for research proposal
2020	Mr. G.V.Shinde	Assistant Professor	SUK ,grant received for research proposal
2020	Mr. A. D. Awasare	Assistant Professor	SUK ,grant received for research proposal
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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
BTech	All Branches	EVEN	30/03/2020	15/02/2021
BTech	All Branches	ODD	20/09/2019	15/01/2020
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

• **Two unit tests are conducted in each semester • Each practical session of the student is assessed for continuous assessment with the help of CAS sheet by** respective subject teacher Scope of evaluation at the Institute is limited only to the term work. Practical and theory evaluation is done by the University. • At university level - Practical, Oral Examination and Theory Examination are conducted and evaluation is done by the university through Central Assessment Process (CAP) and our faculty contributes in the capacity of Paper Setter, Internal /External Examiner for POE, Junior/Senior Supervisor and Examiner, Moderator for Theory Examination, CAP Director and Member of Flying Squad. • Students are clearly made aware of the eligibility conditions required to appear in the University Examination of respective semester. • Institute notifies related evaluation process and related documentation on the notice board. This includes schedule of internal evaluation, POE and University examination. • Institute notifies the criteria for allocation of term work marks. • Continuous Assessment Report (CAR) for all the courses is included in academic diaries of respective faculty members. • The term work marks are displayed on Department notice board. • Institute organizes Faculty Development Programs and presentations on evaluation processes. • Faculty members meetings are conducted periodically to review the evaluation process. • The institution ensure effective implementation of the evaluation reforms through- Internal Tests. • Project and seminars evaluations. • Continuous assessment of lab work • Principal / Dean (academics) conducts a meeting with all the heads of the department before every semester examination regarding the smooth conduct/implementation of examination rules, where every HOD gives their suggestion on various aspects of examination and evaluation based upon the previous examinations. This enables further improvement in the subsequent

examination and evaluation. Conducting a general meeting of all faculty members by the Principal / Dean (academics) before end semester examination regarding the smooth conduct/implementation of examination rules, where every faculty members are encouraged to give their suggestion on various aspects of examination based upon inputs of previous examinations. Then the unanimous suggestions are implemented for the subsequent examinations the evaluations in conjunction with university norms.

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

• The institution follows the academic calendar which is released before commencement of the semesters. • This calendar will help the students, parents and teachers to plan for academic year. • The academic calendar consists of the following information. 1. Academic Events 2. Assessment Schedules 3. Sports Schedules • Schedule of co-curricular and extracurricular activities. • The lesson plan for teaching is prepared at the beginning of every semester and it starts from the department level. The concerned Head of the Department conducts meeting with all the faculty members and allots subjects based on their interest and expertise. Subsequently the time table is prepared, displayed at the departmental notice board, and circulated to the students. The faculty members are provided with academic diary which contains the teaching plan to be filled by the faculty member. • Course-coverage is monitored by HOD and reports the same to the Principal. Wherever, a deviation is observed, the HOD seeks clarification from the faculty member concerned. Special remedial class work is planned.

2.6 – Student Performance and Learning Outcomes

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

http://www.dacoe.ac.in/dptcomputer/

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
MECH	BE	Mechanical Engineering	176	176	100
ENTC	BE	Electronics and Telecommunication Engineering	66	66	100
CSE	BE	Computer Science and Engineering	37	37	100
CIVIL	BE	CIVIL Engineering	87	84	96.55
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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)

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
Projects sponsored by the University	730	Shivaji University, Kolhapur.	1.77	0.37
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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
nil	nil	31/05/2020

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
Project Competition	Vishal Sapkal	AGTIs DACOE, Karad	14/03/2020	Second Rank in SPECTRUM 2K20 Project Competition
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
nil	nil	nil	nil	nil	31/05/2020
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
nil	nil	nil

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

Name of the Department	Number of PhD's Awarded
MECHANICAL	1

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	BSH	1	7.86
International	CSE	8	6.05
International	ENTC	12	4.2
International	MECH	3	4.5

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

Department	Number of Publication
MECH	3
ENTC	7
CSE	Nill
CIVIL	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
Marital Conflict in Zakes Mdas Select Novels: The Madanna of Excelior and Black Diamond	Dr. S. S. Nangare	The Criterion: An International Online Journal in English.	2020	1	Assistant Professor, Dr.Daulatrao Aher College of Engineering, Karad.	Nill

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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
NIL	NIL	NIL	2020	Nill	Nill	0

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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	7	48	10	37
Presented papers	4	Nill	Nill	Nill
Resource persons	1	Nill	Nill	6

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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
Swachhata Abhiyan	NSS, DACOE, Karad	4	52
Tree Plantation	NSS, DACOE, Karad	4	52
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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
NIL	NIL	NIL	Nill
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Community Services	CSE Department DACOE	E-Governance Awareness	2	40
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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
NIL	0	0	0
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
industry	Internship	New Shree Laxmi Cast Alloys, Palus	25/05/2019	08/06/2019	5
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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
Yashwantrao	20/08/2019	Trainings/Worksho	Nill

Chavan College, Karad		ps/ STTP for students, faculty.	
Perfect Electronics,MIDC, WAi,Dist:Satara	26/02/2020	Industrial Training, Industrial Visit, Sponcered Project	40

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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
10	0

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing

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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
e- granthalaya	Partially	3	2016

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	917	446596	69	27251	986	473847
Reference Books	17750	7897432	586	299994	18336	8197426
e-Books	Nill	Nill	Nill	Nill	Nill	Nill
Journals	1585	2461852	42	110695	1627	2572547
e-	131	852365	42	13570	173	865935

	Journals						
Digital Database	1	20000	Nill	Nill	1	20000
CD & Video	1000	45000	Nill	Nill	1000	45000
Library Automation	1	20000	Nill	Nill	1	20000
Weeding (hard & soft)	Nill	Nill	Nill	Nill	Nill	Nill
Others(s pecify)	Nill	Nill	Nill	Nill	Nill	Nill

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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
NIL	NIL	NIL	31/05/2020

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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	427	14	427	427	1	5	5	48	0
Added	0	0	0	0	0	0	0	0	0
Total	427	14	427	427	1	5	5	48	0

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

<div align="center">48 MBPS/ GBPS</div>

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
nil	http://www.nil.com

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
50	37.94	125	122.83

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

institutional Website, provide link)

> The institution provides necessary infrastructure as per guidelines given by AICTE, DTE, Government of Maharashtra and Shivaji University, Kolhapur for effective teaching and learning. The creation and enhancement of infrastructure is achieved by adopting recent technologies. The institute has its own policy to collect requirements from concerned departments and sections. The budget is prepared, discussed and put for approval in Local Management Committee (LMC) and Governing Body (GB) meetings. After the approval, the same is implemented. The infrastructural facilities like class rooms, laboratories are available to the students as per the timetable. Library facility is available from 8.00 am to 8.00 pm (up to 12.00 midnight during examination). All the class rooms and laboratories are optimally utilized throughout the day. The Institute has developed auditorium, cafeteria, playground, central library building, and vehicle parking facility. Presently, Institute has 120 KVA generator. The institute has purchased equipment's like computers, latest hardware software, LCD projectors, furniture, air conditioners and water coolers. Transport facility is made available to the students, faculty and staff members. Infrastructure facility like computer laboratory is well equipped with computers of latest configuration and Internet facility. The Institute's library is also well stocked with books journals, e-learning material such as CD's and DVD's of digital books, multimedia enabled computer system with audio facility to keep pace with Institute's academic growth. The Institute's Library has Internet facility, Digital Library and e-journals. The Computer laboratories have latest hardware and software to match with the latest development in the field of IT.

http://www.dacoe.ac.in/NAAC/IQAC-ACTIVITIES

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	Scholarship	854	30419288
Financial Support from Other Sources			
a) National	Emerson	30	300000
b)International	Nil	Nill	0
No file uploaded.			

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
TCS-InfosysTQ Registration	17/06/2019	24	Infosys, Ltd
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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	Number of benefited students by	Number of students who have passedin	Number of studentsp placed

		competitive examination	career counseling activities	the comp. exam	
2020	Nil	Nill	Nill	Nill	Nill

No file uploaded.

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

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

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
Tata Consultancy Services, Pune	75	1	Nil	Nill	Nill

[View File](#)

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	1	BE	CSE	VJTI , Mumbai	M. Tech Software Engineering
2020	1	BE	MECH	Vishwakarma Dadasaheb Chavan Institute of management & Research , Malwadi ,Masur , Tal: Karad , Dist: Satara	MBA
2020	2	BE	MECH	De Montfort University Leicester (DMU)	Engineering Management Master of Science
2019	1	BE	CSE	HNIMR, Cummins, Pune	MBA

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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
NET	Nill
SET	Nill

No file uploaded.

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

Activity	Level	Number of Participants
Annual Sports	College Level	410
Women's Football	Zonal	144
Women's Cricket	Zonal	105
Taekwondo	Inter Zonal	150
Kabaddi (Mens)	Zonal	360

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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
2019	Akhil Bhartiya Spardha Selected in University Team	National	1	Nill	2016063022	Amar Kisan Lade

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

Institute has Student Council Bodies of each Department ACES, ETESA, CESA, MESA Program Activates conducted under student counselling by ETESA Electronics and Telecommunication Engg. Departments are SY B.Tech Welfare function. Program Activates conducted under student counselling by ACES Computer Science and Engg. Department are SY B.Tech Welfare function, various Guest Lectures. Civil Engineering Student Association (CESA) conducted various Programs. Program Activates under student counselling by MESA Mechanical Engineering is SY B.Tech Welfare function. On the occasion of science day institute organised various events like poster presentation, project exhibition.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes, the Institute has active Alumni Association • President – Dr. A. M. Mulla • Vice President – Prof. P. S. Mohite • Secretary – Mr. P. D. Bansode • Treasurer – Prof. V. M. Jamadar. Alumni association meeting is held once in a year. The students graduating from the college automatically become members of

the Alumni Association. The members of Association meet once or twice in a year to discuss the various issues regarding Alumni meet. The institute arranges lectures by alumni in different departments so that students will get motivation in the area in which they want to work and prepare for themselves for global competition.

5.4.2 – No. of enrolled Alumni:

0

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

DACOE Alumni Association organized a meeting on Saturday 25th Jan 2020. 55 students participated in a meeting. Executive body meeting once per year

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

The institute continued with decentralization practices and participative management various levels described as follows. • Institute has vision and mission which are futuristic in nature. They satisfy the needs of society through the involvement of each one in the process. The governance comprising of Governing Body (GB), Local Management Committee (LMC) now termed as College Development Committee (CDC), Department Advisory Committee (DAC) and Internal Quality Assurance Cell (IQAC) play a significant role in the evolutionary reforms towards positioning the Institute in the preferred list of all stakeholders. The Institute believes in promoting a culture of the delegation of powers through strategic policies. • The Principal of Institute is assisted by Vice Principal, HODs, Administrative Head, Section in charges and coordinators of various cells/committees in the decision-making process of the Institute. • Faculty and staff are assigned with the roles and responsibilities to work in a harmonious environment with complete transparency. • IQAC has a well-developed process to ensure quality benchmarks of academic to meet the requirements of accreditation body like NAAC by Dean Academics • The Placement and Industry Institute Interactions of the Institute are coordinated by the Dean Industry Institute Interaction and the Training and Placement officer and the Team of Placement Coordinators for each of the Department. • The Activities related to the Research and Consultancy at the Institute are governed and monitored by the Dean Research and Development • . Fair representation of women faculty is also ensured at all levels of an organization and congenial environment is fostered. Based on the Vision and Mission of the Institution, The Institution policy believes the involvement of all staff in decision making and implementing the decentralized decision policy. To streamline the same, various committees at the Institute level are formed which look after academic and administrative activities which lead to the realization of the vision and mission of the Institute. Every employee at all levels has an opportunity to contribute his/her innovative ideas leading to improved processes and hence higher quality results.

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

Partial

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):	
Strategy Type	Details
Admission of Students	Admissions are done purely on merit basis and according to reservation policy of the state Govt. of Maharashtra. The admission regulating authority of Government of Maharashtra regulates the admission. To improve the admissions the following efforts have been taken to improve the admissions 1) Career guidance programmes are conducted for HSC students from nearby area. 2) Banners are placed a prominent locations around Karad 3)Advertisement in leading news paper 4) Institute Boucher is prepared. 5. The success stories and achievements of present students and alumni are displayed on banner.
Industry Interaction / Collaboration	The institution continues to propagate industry connect through: 1) Technical talks / Invited seminars by industry persons 2) Industry visits / tours 3) Students' project work / internships 4)MOU(Memorandum of Understanding) 5) Placement Activity.
Human Resource Management	Motivating faculty members to participate in various STTP/ Orientation Program. Maintain grievance redressal cell, anti- ragging committee and sexual harassment committee.
Library, ICT and Physical Infrastructure / Instrumentation	Central and departmental library facilities are available. • Library Software is available in central library • NPTEL video lecture CDs are available ICT • Broadband connection • Wi-Fi facility • Language laboratory Physical Infrastructure: • Campus security with surveillance • Canteen facility available within campus • Girls and Boys hostel available within campus.
Research and Development	Many faculty members were engaged in research work publishing papers in national/ international conferences and journal. The institutional policy is to financially support for publishing a research work. Institute received grant for research initiative scheme of Shivaji university Kolhapur. Institute explore various funding agencies for sponsoring research work (UGC, DST, SU) for major and minor projects. Institute encourage Faculties to improve their qualification by pursuing Ph.D.

Examination and Evaluation	The affiliating University prescribes the overall Evaluation Examinations process. Unit test conducted for each semester and consider it for term work with attendance and CAS marks As per university scheme 30 marks for internal exams and 70 marks of university paper.
Teaching and Learning	The institution has been following student centric teaching and learning methods. To improve the classroom learning various techniques have been used by faculties like showing models, providing hands-on practice and capturing student interest by activating prior knowledge. The institute adopted Continuous Assessment sheet for the evaluation of students. The teaching learning process strengthen by conducting industrial visit, short term training program, project work and project competition.
Curriculum Development	We have been affiliated to Shivaji University Kolhapur hence follow the Curriculum developed by Shivaji University. Curriculum supports Choice based credit system (CBCS). Our faculty members participate in Syllabus setting workshops.

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

E-governace area	Details
Planning and Development	Planning and Development • Office automation will include student's database, faculty and staff database, feedback system etc • Library automation has been initiated by the partial use of E-Granthalaya software.
Administration	• IQAC notices are circulated by the coordinator through an e-mail • Library and office has computers with internet facilities.
Finance and Accounts	• Salary of faculty members and staff is transferred directly to the bank account
Student Admission and Support	• Admission of students is done as per DTE and Government of Maharashtra norms
Examination	Reforms done as per Shivaji University, Kolhapur and implemented.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/	Name of the	Amount of support

		workshop attended for which financial support provided	professional body for which membership fee is provided	
2019	nil	nil	nil	Nill

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Real Estate Documentation Directories	nil	16/12/2019	20/12/2019	24	Nill
2020	Legal Aspect in Civil Engineering	nil	21/05/2020	22/05/2020	100	Nill
2019	Artificial Intelligence And Machine Learning	nil	17/06/2019	21/06/2019	21	Nill
2019	Python	nil	10/10/2019	12/10/2019	9	Nill
2020	Microsoft SQL database Fundamental MTA Certification	nil	27/01/2020	29/01/2020	1	Nill
2020	Cyber security when the future is uncertain	nil	02/06/2020	02/06/2020	281	Nill
2020	Self Management	nil	03/06/2020	03/06/2020	336	Nill
2020	Research Opportunities in the field of Technology	nil	27/05/2020	27/05/2020	20	Nill
2020	Career Prospects	nil	30/05/2020	30/05/2020	20	Nill

2020	nil	Personality Development	11/03/2020	11/03/2020		Nill	61

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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
Revised Process of NAAC and its Preparation	59	06/12/2020	07/12/2020	2

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
46	67	85	85

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Yes • Registration fees are paid by institute to attend diff. Workshop /STTP/FDP at other institute	Yes • Registration fees are paid by institute to attend diff. Workshop /STTP/FDP at other institute	Concession in the mode of payment of fees • College bus facility is provided to students to attend pool campuses at other institutes, educational visits at nearby place etc. • College level rankers are awarded with cash prizes • University level rankers are awarded with concession in tuitions fee. • Emerson Scholarship and Govt. of Maharashtra Scholarship

6.4 – Financial Management and Resource Mobilization

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

The Institute has established mechanisms for conducting external audits for every financial year to ensure financial compliance. An external auditor appointed by the parent trust executes the statutory audit. Statutory financial audit is conducted in the month of April /May. Finalization of the account is completed in June/July and audited statements are prepared in June/July duly signed by the Principal, Secretary of the trust and chartered accountant. No

major objections are found in the audit by the statutory auditors and minor audit suggestions are compiled with as per procedure.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
nil	0	nil
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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	No	nil	Yes	Internal Committee
Administrative	Yes	CA	No	nil

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

1. Parent Meet – Conducted once in a semester. 2. Parents gave Feedback on Curriculum 3. Parents Visited the student project exhibition.

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

1. Organized soft skill program . 2. Organized personality development program.

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

1. Excellence Awards for Teaching and Nonteaching Staff. 2. Organization of National/international seminars. 3. Introduction of skill-based courses. 4. Start-up of incubation centre.

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
2020	Personality Development	11/03/2020	11/03/2020	11/03/2020	61
2019	Revised Process of NAAC and its Preparation	06/12/2019	06/12/2019	07/12/2019	59
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
nil	02/07/2019	31/05/2020	Nill	Nill

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

Percentage of power requirement of the University met by the renewable energy sources
NIL

7.1.3 – Differently abled (Divyangjan) friendliness

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

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	Nill	Nill	31/05/2020	Nill	nil	nil	Nill

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

Title	Date of publication	Follow up(max 100 words)
nil	31/05/2020	nil

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
nil	01/01/2020	31/05/2020	Nil

No file uploaded.

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

1. Tree Plantation 2. Lights and fans of classrooms and labs are switched off after the sessions. 3. Boards are displayed to promote energy-saving awareness. 4. Rainwater harvesting implemented at boys hostel. 5. Department create awareness amongst staff, students and faculty members about save water and electricity.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

A) Best practices-1 1. Title of the Practice: MENTORING PROGRAMME 2. Objective: • To achieve the vision of the institution viz., to develop all round personality of the students on progressive lines. • To provide a continuous learning process for both the mentor and the mentee. • To establish the mentor as a role model and to support the mentee for personal and academic development. • To establish a vibrant relationship between the teachers and the students that will ensure responsible behaviour and discipline. 3. The context: The nature of students' background i.e. catering to different socio-cultural and economic diversity necessitates mentoring being opted as one of the best practices by the institution. The absence of institutionalized system of having proper system of mentoring, guidance and counseling in the region along with the obvious fact that most of the students are from rural areas and first generation learners makes it imperative on the part of the institution to provide mentoring i.e. guidance for development of the students on academic as well as aesthetic lines. Moreover, it is aimed to align with the institutional mission and vision statement aiming to develop students on progressive lines .i.e. to imbibe in the students a rational positive outlook towards life thereby making them responsible citizens. B) Best practice-II 1. Title of Best Practice: APPLICATION BASED PROJECTS 2. Objectives: • To assess interactive skills (Verbal communication, Non-verbal communication, Listening skills, Negotiation, Problem-solving, Decision-making, Assertiveness) of a student. • To sensitize the students for research and analysis work with respect to their project for social welfare. • To provide a platform for industry-academia interaction. 3. The Context: a. As per curriculum of final year of Bachelor of Engineering which is prescribed by Shivaji University ,Kolhapur AICTE respectively , projects have to be submitted by group of students(2 to 4 members). b. All the guidelines are shared by academic in-charge to students and project guides regarding Project schedule, formats, project themes etc. c. For continuous guidance of project guide has been allocated to the group of students. d. For evaluation of project external examiner has been invited who is preferably an Industry person or a senior academician. e. There are two separate sections for evaluation: i. Evaluation by project guide ii. Evaluation by external examiner. In this process students are not only evaluated by external examiner but they also get inputand feedback from external. f.Students made projects for the social benefit also,some projects are sponsered.Projects like "'Design of Waste Water Treatment Plant for KhubiViliage',' Design of Water Treatment Plant of SurliViliage',' Automatic flow control system for irrigation of agriculture land',' Smart farm fertilizer and pesticides prediction using IoT',' Robotic vehicle controlled by hand gesture',' Women safety device with GPS tracking and alerts' etc. g. Students have also published paper in reputed journals on their project work. Some examples of application based projects are, 1. "Intelligent Framework for Auto filling web forms using Scanned documents" project basically helps to avoid manual work while filling admission or exam form of the student.It is mostly used in colleges. 2. "Iot based flood detection and alert system",in order to detect and avoid floods in a timely manner, technology plays a crucial role. With the help of technology, we can avoid dangerous situation caused by floods and save lives. 3. "Design of Waste Water Treatment Plant for Khubi Viliage" ,to treat and recycle a waste water generated after used for different purposes in Khubi village. 4. "Semi automatic corn peeling machine" remove Corn Kernels from eweet corn cob from its roots and to get whole corn cob,with maximum of sweet con from sweet corn cob.it is used in agricultural By-products.

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

http://dacoe.ac.in/uploads/naac/Best%20Practices%207.2%202019-20.pdf

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Institute is situated in a rural background, as the motive behind establishing this was to provide quality and outcome-based education for the students belonging to this area. Institute is striving hard to make their students competent to face challenges in today's changing world. This is achieved by conduction of various skill development programs for faculties as well as students. Institute has collaboration and tie-up with various industries for empowering placement of students. Institute is continuously making consistent efforts for the overall development of students. Various research-oriented activities are conducted to impact innovations in the field of engineering which will be indirectly helpful for society and its socio-economic development. This all activities are distinguishing us from others. Training and Soft Skill Development Programs: The Institute imparts soft-skill, personality development and aptitude training programs for preparing the pre-final year and final year students for the campus placement Industry Institute-Interaction: The Institute is establishing connection with the industries by signing the Memorandum of Understanding [MoU] with reputed core industries to enhance Industry Institute Interaction activities. This has benefited in getting industrial visits, in-plant trainings, internship, value added courses, guest lecturers etc., for the professional development of students and faculties. On periodic basis, institute organizes the expert guidance sessions from the industry persons on the recent and new emerging technologies. This helps to bridge the gap between the academia and the industry. Institute always encourages the sponsored projects from the industry.

Provide the weblink of the institution
http://dacoe.ac.in/uploads/naac/final%20institute%20distinctiveness%207.pdf

8.Future Plans of Actions for Next Academic Year

1. It is proposed to conduct training programs for faculties and staff. 2. Proposed to conduct skill development programs (soft skill and technical) for the students. 3. Proposed to improve paper publications. 4. Proposed to improve the tie-up with industries to give more industrial exposure to the students. 5. Proposed to encourage HSC students about engineering fields.