



Yearly Status Report - 2016-2017

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@daco.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. H. K. Shete			
Phone no/Alternate Phone no.		02164272701			
Mobile no.		9326440455			
Registered Email		iqac@dacoe.ac.in			
Alternate Email		hkshete.mech@dacoe.ac.in			
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)		http://www.dacoe.ac.in/NAAC/NAAC			
4. Whether Academic Calendar prepared during the year		Yes			
if yes,whether it is uploaded in the institutional website: Weblink :		http://www.dacoe.ac.in/academics/Academic-Calendar			
5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B+	2.55	2017	23-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	
Nil		31-May-2017 0		0	

No Files Uploaded !!!

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	Nil	Nil	2017 0	0
No Files Uploaded !!!				

9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

2

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)

• Plan for Outcomebased education • Curriculum design and teaching strategy • Feedback from parents, alumni, students and industry persons/employers • Expert lectures by industry people. • Training for Nonteaching staff. • Innovative parameters for continuous evaluation • Remedial teaching for academically weaker students.

No Files Uploaded !!!

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
Formation of IQAC	IQAC formed in and meetings are conductd
No Files Uploaded !!!	

14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2017
Date of Submission	21-Mar-2017
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	The institution has 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 per guidelines by Shivaji University, Kolhapur, the institute prepares the academic calendar. By referring to it, the department prepares the departmental academic calendar. Then as per choice and expertise, subjects are allotted to faculties. The faculty prepares course files and plan other academic activities related to the course. The following activities are performed by faculty members.

- Lesson and Practical Plan preparation
- Lectures and Practical's conduction as per schedule
- Maintaining Academic Dairy
- Conducting tutorials
- Conducting class tests, preliminary examinations
- Conducting Seminars
- Organizing expert lectures and workshops

The time table circulated to the faculty members prepared by the coordinator. Institute follows the academic calendar provided by the University. The Calendar of Activities with Academic schedule is prepared and published at the institute level every year to achieve the Institute's vision, mission and quality policies. The Institute is committed to delivering a quality curriculum as detailed below:

Planning of course: Faculties are encouraged to impart the curriculum through teaching methods such as PowerPoint presentations, assignments, discussions, workshops, seminars, industrial visits apart from traditional teaching methods. The Head of departments conduct their department meetings regularly and develop an academic plan. The course file contains

- Time table
- Syllabus
- Teaching plan
- Subject notes, PPTs, handouts
- 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. 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. In Academic Audit syllabus coverage and attendance of students are reviewed to ensure smooth conduct of academic activities. • Academic diary contains class wise student attendance, topics covered, test marks, assignment mark, seminars by students. Students 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 to improve the teaching-learning process. Every course coordinator is made aware of the student's feedback report to takes necessary steps/measures in case of improvements required. The course co-ordinator assesses student's experiments and assignments according to CAS (Continuous Assessment Sheet). The internal tests are conducted and evaluated and performance is conveyed to students. The course coordinator provides course notes if required to improve the learning of the students. Invited Lectures: The experts from the industry are invited and guest lectures on various latest trends, technologies are arranged for students. These lectures help students for academics as well as doing projects Mentoring of Students: Faculty member of every department plays a major role in the Mentorship program. Each faculty is assigned with 15 to 20 students for mentoring. The meeting is arranged in every month to understand and solve student's problems related to academic as well as personal to strengthen the bonds of appreciation and affection that exists between teachers and students.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
STTP on "Internet of things"	Nil	05/12/2016	6	Yes	Practical Knowledge
National Conference on Design, Manufacturing, Energy Thermal Engineering	NA	06/01/2017	2	Yes	Practical and Theoretical Knowledge

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	NIL (No program Added)	31/05/2017
No file uploaded.		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Civil Engineering	01/06/2016
BE	Computer Science and	01/06/2016

	Engineering	
BE	Electronics and Telecommunication Engineering	01/06/2016
BE	Mechanical Engineering	01/06/2016

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
dot net Conf	17/09/2016	14
Mobile Application Development	19/09/2016	89
Xamarin Microsoft Mobile	07/10/2016	33
Expert lecture on emotional intelligence by Prof.P.J.Chorage (HOD ETC Dept)	28/12/2016	60
Expert lecture on Employability by Dr.A.M.Zende (HOD Civil Dept)	28/12/2016	78
Expert lecture on Carrier opportunities in Government Sector by Mr.Sandip Hake	19/09/2016	57
Aptitude Test Preparation	07/08/2016	67
Guest lecture on Self Motivation	11/08/2016	55
No file uploaded.		

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.	243
No file uploaded.		

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

The institution follows a feedback system through a questionnaire (feedback form). Feedbacks are taken through meetings with students, parents and alumni. **Student Feedback:** The feedback and suggestions are taken from students during each semester. The suggestions if any from students are implemented effectively for proper delivery of the curriculum. Students assess their course co-ordinator (Theory and Practical) on the basis of a series of questions given to them. The 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. **Parent feedback:** Parent meeting is arranged at each semester and parents of each student are called for a meeting. Progress of student is discussed with parents and suggestions are taken from parents for proper delivery of the curriculum. **Alumni feedback:** Alumni are invited to share their experiences with students. The suggestions are taken from stakeholders and resolved through the proper channel. The students and faculty members work together 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
BE	Mechanical Engineering	120	58	58
BE	Electronics & Telecomm. Engineering	120	10	10
BE	Civil Engineering	60	32	32
BE	Computer Science & Engineering	60	24	24
No file uploaded.				

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
2016	1284	Nil	101	Nil	Nil

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
101	88	10	19	Nil	83
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)

The 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 the academic advisory committee referred by a 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 the Mentorship program with the task of mentoring 15 to 20 students. The 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. The institute tracks student performance by continuously monitoring of the performance of every student. The performance is checked by counseling and mentoring the students through the mentor system. We collect feedback from them regarding the basic needs and kind of environment they prefer to maintain quality. ? Identification of talent among students from the mentoring mechanism. Academic and Career Mentoring: The institute provides regular counseling to the students to address issues relating to their academic shortfalls and obstacles. The students, at the time of admission, are guided by the faculty in choosing the 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 problems and a friendly environment is provided to make them comfortable to share their personal problems. The mentors maintain the secrecy of any personal information and take necessary corrective steps in consultation with senior official staff, 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 psychiatrists 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 a nearby rural areas. Most of them have completed SSC education in Marathi medium and face difficulties to adapt engineering education in the English medium. The students are hesitating in asking for guidance and help for his difficulties in studies. This tends to drop out of engineering education. The institute decided to address these issues through a mentor system and provide them the necessary moral and emotional support to them.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1284	99	1:13

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
116	101	10	Nil	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,	Designation	Name of the award, fellowship, received from Government or recognized
---------------	---	-------------	---

	international level		bodies
2017	NIL	Lecturer	NIL
No file uploaded.			

2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	ALL	ODD	07/10/2016	23/02/2017
BE	ALL	EVEN	13/04/2017	07/08/2017
No file uploaded.				

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 Program 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/Downloads>

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
CSE	BE	Computer Science & Engineering	71	67	94.36
ENTC	BE	Electronics & Telecommun 75 67 89.33ication Engineering	106	106	100
MECH	BE	Mechanical Engineering	157	150	95.71
CIVIL	BE	Civil Engineering	44	24	54.54

No file uploaded.

2.7 – Student Satisfaction Survey

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

<http://www.dacoe.ac.in/feedback>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

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

No file uploaded.

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	31/05/2017

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
NIL	NIL	NIL	31/05/2017	NIL
No file uploaded.				

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	31/05/2017
No file uploaded.					

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
Dept. of Civil Engineering	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	Electronics and Telecommunication Engineering	42	4.2
International	Civil Engineering	2	1.2
International	Computer Science and Engineering	32	6.6
International	Mechanical Engineering	7	4.0
National	Mechanical Engineering	72	3.3
No file uploaded.			

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	4
ENTC	38
CSE	31

No file uploaded.

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
Detection and Classification of Plant Leaf Disease	Mr. Patil A. N.	International Advanced Research Journal in Science, Engineering and Technology.	2017	11	DACOE	2

[View File](#)

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Perspectives of Friction Stir Welding Tools	Ganesh S. Jadhav, Gurunath Shinde, Sonali V Dhantude, Nutan J. NikamPritee H. Mane	Elsevier Materials Today Proceedings	2016	3	12	DACOE
Low Cost Friction Stir Welding: A Review	Gurunath Shinde, Sameer Gajghate, Prakash Dubeer Chandrakant Seemkeri	Elsevier Materials Today Proceedings	2016	3	14	DACOE

No file uploaded.

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	Nill	22	26	4
Presented papers	24	73	Nill	Nill
Resource persons	Nill	Nill	Nill	Nill

No file uploaded.

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
NIL	NIL	Nil	Nil
No file uploaded.			

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	Nil
No file uploaded.			

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/Agen cy/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
COMMUNITY SERVICES	CSE , DACOE	E- Governance Awareness	1	71
No file uploaded.				

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	NIL	NIL	0
No file uploaded.			

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	V dam Lab Solapur	15/05/2016	15/05/2016	1
View File					

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
International Advanced Research	02/01/2017	Research Publication	81

Journal in Science, Engineering and Technology ISSN 2393-8021.		
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
225	222

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
No file uploaded.	

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
e- granthalaya	Partially	3.0	2016

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	13499	5941677	582	353467	14081	6295144
Reference Books	1900	423000	104	107000	2004	530000
Journals	386	1827072	81	430410	467	2257482
No file uploaded.						

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
---------------------	--------------------	---------------------------------------	-----------------------------

Nil	Nil	NIL	31/05/2017
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	357	7	357	357	1	5	0	48	0
Added	50	0	50	50	0	0	0	0	0
Total	407	7	407	407	1	5	0	48	0

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

48 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
NIL	NIL

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
50	43.76	225	201

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 equipments 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://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	943	35854390
Financial Support from Other Sources			
a) National	Emerson	16	569010
b) International	Nil	Nil	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 implementation	Number of students enrolled	Agencies involved
Mobile Application Development	19/09/2016	89	PHN Technology
Xamarin Microsoft Mobile Technology	07/10/2016	33	Mr. Mayur Tendulkar, Microsoft India, Pune Mr. Vikram Pendase, Microsoft India, Pune
Short Term Training Program-Internet of Things	05/12/2016	46	Dr. Sanjeev wagh, GCEK, karad Dr. Hanmant Renuse BVOE, karad Mr. Ganesh Bhosale, Mr. Ganesh Joshi, Prygma
at Dolphin Labs, Pune- Electronics and Telecommunication Engineering	25/02/2017	150	Mr. Chittaranjan Mahajan
Mahatransco.-Electronics and Telecommunication Engineering	19/09/2016	150	Mr. Sandip hake
Fluid Mechanics	13/12/2016	109	Prof. A. M. Naniwadekar
Electrical Technology	08/12/2016	120	Dr. A. M. Mulla

Applied Thermodynamics	28/09/2016	156	Prof. S. S. Shinde
I.C. Engine and Theory of Machine II	08/09/2016	91	Prof. S. L. Ghodake Prof. A. M. Pirijade
No file uploaded.			

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 passed in the comp. exam	Number of students placed
2017	0	Nil	Nil	Nil	Nil
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
Nil	Nil	Nil

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Nil	Nil	Nil	Fablab Engg Ltd Thane	2	2
View File					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2017	2	BE	E&TC	RIT, Sakharale	M. Tech E&TC
2016	1	BE	CSE	Bharati Vidyapeeth, Pune	M. Tech Computer Engineering
2016	1	BE	CIVIL	RIT, Sakharale.	M. Tech CIVIL
2016	1	BE	CIVIL	K. J. Jadhav College of Engineering and	M.E CIVIL

No file uploaded.

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
Any Other	Nil
No file uploaded.	

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

Activity	Level	Number of Participants
Kabaddi (Mens)	Inter Zonal	108
Annual Sports	College Level	255
Women's Cricket	Inter Zonal	132
Women's Cricket	Zonal	110
One Day Sports Workshop	State Level (Shivaji University Sponsered)	85
Kabaddi (Mens)	Inter Zonal	108
No file uploaded.		

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
2017	Gold Medal Selected in State and Shivaji University Team	National	1	Nil	2016065100	Tapasya Anil Nikam
2017	Gold Medal Selected in University Team	National	1	Nil	2016063022	Amar Kisan Lade
No file uploaded.						

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

Yes, the Institute has a registered Alumni Association. The Institute interacts with the Alumni through the Alumni cell time to time. The Alumni cell comprises faculty in charge of each department. The Association conducts meets at the Institute level. Departmental Alumni coordinator having a contact number and

email ID of alumni. Through that e-mail ID department contacts the alumni. Social media is also used as a communication medium to communicate with alumni. Activities major contributions of Alumni are: The Institute organizes Alumni meet periodically to reunite the pass out, students. The alumni members share their opinion and technical skills with the current students. They provide references for placements. Alumni share their ideas for projects. Sr. No Name Designation 1 Dr. J. R. Patil President 2 Mr. L. B. Jamale Vice President 3 Mr. S. P. Kamble Secretary 4 Ms. P. S. Lokare Treasurer 5 Mr. S. A. Pidde Member 6 Mr. S. B. Bhilare Member 7 Ms. K. R. Prabhune Member

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

162

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

DACOE Alumni Association organized meetings on Sunday 9th Oct 2016. Over 50 students participated in a meeting. Alumni Meet started at 10 am in the morning. Breakfast and lunch were arranged for Alumni. An arrangement was done in the hostel to stay for the alumni who came from far places if needed. The alumni meet was concluded at 2 pm. Some of the alumni shared their views about the industrial trends, work culture.

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 a various level 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), 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 a delegation of powers through strategic policies. The Principal of the Institute is assisted by Vice Principal, HOD's, Administrative Head, Section in-charges and coordinators of various cells/committees in the decision-making process of the Institute. Faculty and staff are assigned to 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 and administrative activities. The Institute maintained the culture of retention of Faculty and hence has an edge of senior and dedicated Faculty for realizing its Vision. Institute follows recruitment policies and service conditions as per the rules and regulations of regulatory authorities. Fair representation of women faculty is also ensured at all levels of an organization and a congenial environment is fostered. Based on the Vision and Mission of the Institution, • Deployment of the quality policy is done by providing requisite academic infrastructure, learning environment and

harmonious work culture. Student's surveys and feedback from all the stakeholders play a vital role in framing and revising policies. The Institution policy believes in 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
Examination and Evaluation	The affiliating University prescribes the overall Evaluation and Examinations process. Unit test conducted for each semester and consider it for term work with attendance and regular assessment marks.
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. Our faculty members participate in workshops conducted by the University for curriculum development.
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 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 programs
Library, ICT and Physical	<ul style="list-style-type: none"> Central and departmental library

Infrastructure / Instrumentation	<p>facilities are available. • Library Software is available in central library • NPTEL video lecture CDs are available ICT - • Broadband connection • Wi-Fi facility • Language laboratory</p> <p>Physical Infrastructure: • Campus security with surveillance • Canteen facility available within campus • Girls and Boys hostel available within campus</p>
Human Resource Management	Motivating faculty members to participate in various STTP/ Orientation Program. Maintain grievance redressal cell, anti-ragging committee and sexual harassment committee.
Industry Interaction / Collaboration	The Institution continues to propagate industry connect through: 1) Technical talks / Invited seminars by industry persons 2) Industry visits / tours 3) Student's project work / internships 4) MOU(Memorandum of Understanding) 5) Placement Activity
Admission of Students	Admission of students is done as per DTE and government of Maharashtra norms by Central Admission Process (CAP). To improve the admissions the following activities are being done. 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

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

E-governance area	Details
Planning and Development	<ul style="list-style-type: none"> • 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 • In campus digital library facility by using software
Administration	<ul style="list-style-type: none"> • Notices are circulated by the coordinator through an e-mail • Library and office has computers with internet facilities.
Finance and Accounts	<ul style="list-style-type: none"> • Salary of faculty members and staff is transferred directly to the bank account
Student Admission and Support	<ul style="list-style-type: none"> • Admission of students is done as per DTE and government of Maharashtra norms
Examination	Reforms did as per Shivaji University

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
2016	Ms. R. N. Mahind, Ms. P. S. Lokare, Ms. M. B. Shingan	Discover the world of .NET , dotnetConf, Pune	Nil	3893
2016	Ms. A.N. Mandale, Ms. R.N. Mahind	IBM Rational Software Architect	Nil	2854
2016	Ms. R. N. Mahind, Ms. P. S. Lokare	Teaching Methodology of Revised Syllabus: BE CSE	Nil	226
No file uploaded.				

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)
2016	Scilab and opencv applicatio ns in Image processing	Nil	05/12/2016	10/12/2016	20	Nil
2016	Internet of Things	NIL	05/12/2016	10/12/2016	9	Nil
2016	Mobile A pplication Developmen t, DACOE, Karad	Nil	19/09/2016	20/09/2016	11	Nil
2016	Quantity Surveying, Project Planning and Scheduling using MS Project 2013	NIL	05/12/2016	10/12/2016	10	Nil

No file uploaded.

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
Quantity Surveying, Project Planning and Scheduling using MS Project 2013	10	05/12/2016	10/12/2016	06
Scilab and opencv applications in Image processing	20	05/12/2016	10/12/2016	06
Internet of Things	9	05/12/2016	10/12/2016	06
Mobile Application Development, DACOE, Karad	11	19/09/2016	20/09/2016	02

No file uploaded.

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
56	110	27	77

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. • 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. The 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 complied with as per the 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
No file uploaded.		

6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Nill	Yes	Internal
Administrative	Yes	CA	No	Nill

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

Parent Meet - Conducted once in a semester Parents gave Feedback on Curriculum
--

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.
--

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
2017	NIL	01/07/2016	01/07/2016	31/05/2017	Nill
No file uploaded.					

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
One day Workshop on Awareness of Women harassment at workplace	08/03/2017	08/03/2017	150	30

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	Nil
Provision for lift	No	Nil
Ramp/Rails	Yes	Nil
Braille Software/facilities	No	Nil
Rest Rooms	Yes	Nil
Scribes for examination	Yes	Nil
Special skill development for differently abled students	No	Nil
Any other similar facility	No	Nil

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
2017	Nil	Nil	31/05/2017	0	NIL	NIL	Nil
No file uploaded.							

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	31/05/2017	Follow Universities Code of conduct

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
NIL	30/05/2017	30/05/2017	Nil
No file uploaded.			

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

NIL

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

<p>1. Title of the practice: GATE Training to students Objectives of Practice: • To make the students capable of competitive exams. • To enhance conceptual knowledge of students in a particular courses and disciplines through instructions particularly for solving novel problems in the respective area. • To improve thinking skills to generalize as well as to standardize the methods and concepts to other applications. • To develop systematic methods for learning from problem sets, including: how to apply and transfer conceptual knowledge identify common obstacles and errors and contextualize problems within the themes and concepts of the course. The Context: • Institute has started providing GATE Training to third year and final year Engineering students from professional trainers and using GateTutor software. The in-house GATE training program has been designed implemented to prepare our students for competitive exams such as GATE/IES. 2. Title of Practice: Prizes to meritorious students Objectives of Practice: • To motivate the students to reach higher levels of success and keep consistency in their academic performance. • To provide a tangible reminder of what is possible. • To support needy students. The Context: It promotes students who are economically backward and need financial assistance. This practice is for promoting the students to have excellent performance in University Examinations and competitions. In this context, the institution has been doing the practice of giving prizes to meritorious students.</p>
--

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

<http://www.dacoe.ac.in/uploads/news/7.2.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

<p>College is in a rural background and the motive behind establishing this was to provide quality and outcome-based education for the students belonging to this area. Institute is trying to make students competent to face challenges in today's world. For this, various skill development programs are conducted for faculties as well as students. Institute has collaboration and tie-up with various industries for empowering placement 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. In line with the institute vision, the department encourages students and faculty members to Good quality research work that could also get published in the National / International reputed conferences and journals. A few innovative ideas could then be converted into filing patents. To support this initiative, Institute encourages students to work on their Innovative /Entrepreneurship ideas by way of providing separate workspace within the campus and necessary laboratory infrastructure in terms of hardware and software, and faculty guidance. The facility is termed as Entrepreneurship Development Cell (EDC) and students get complete freedom in terms of laboratory</p>

equipment and Internet usage. It is expected that students would develop new products/services and make them commercially viable in the market. Students also receive financial assistance from the Institute in terms of seed money/encouragement awards to start their research and development work.

Provide the weblink of the institution

[http://www.dacoe.ac.in/uploads/news/7.3\(2\).pdf](http://www.dacoe.ac.in/uploads/news/7.3(2).pdf)

8.Future Plans of Actions for Next Academic Year

Implementation of outcome-based education. The Course Coordinator should find a curriculum gap if in the course and develop a teaching strategy accordingly. Online Feedback. Expert / Guest Lectures in various engineering areas to be organized by departments. Continuous Assessment Sheet (CAS) should be design by considering parameters like practical performance, attendance and unit test performance and the same is implemented.