

NAAC AQAR 2019-20

[Period: 1st July 2019 to 30th June 2020]

**Annual Quality Assurance Report (AQAR) of
the Internal Quality Assurance Cell (IQAC) of**

**Annasaheb Dange College of Engineering & Technology, Ashta, Tal:
Walwa, District: Sangli, Pin Code: 416301, Maharashtra, India**

Submitted To



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

P. O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, **Bengaluru - 560 072** India

By



**Annasaheb Dange College of Engineering & Technology, Ashta,
Tal: Walwa, District: Sangli, Pin Code: 416301, Maharashtra,
India**

www.adcet.in

Part A

DATA OF THE INSTITUTION

1. Name of the Institution:	Annasaheb Dange College of Engineering & Technology, Ashta
• Name of the Head of the Institution	Dr. Vikram S. Patil
• Designation:	Director
• Does the institution function from own campus:	Yes
• Phone no./Alternate phone no.:	8600600700
• Mobile no.:	8600106350
• Registered e-mail:	dean_qa@adcet.in
• Alternate e-mail :	director@adcet.in
• Address :	Annasaheb Dange College of Engineering & Technology
• City/Town :	Ashta
• State/UT :	Maharashtra
• Pin Code :	416301
2. Institutional status:	
• Affiliated / Constituent:	Affiliated
• Type of Institution: Co-education/Men/Women	Co-education
• Location : Rural/Semi-urban/Urban:	Rural
• Financial Status: Grants-in aid/ UGC 2f and 12 (B)/ Self financing	Private-Self-financing
• Name of the Affiliating University:	Shivaji University, Kolhapur
• Name of the IQAC Coordinator :	Mr. K. J. Burle
• Phone no. :	8600600700
• Alternate phone no.	--
• Mobile:	9766250246

- IQAC e-mail address: dean_qa@adcet.in
- Alternate Email address: profrak@rediffmail.com

3. Website address: www.adcet.in

Web-link of the AQAR: (Previous Academic Year): <http://adcet.in/ADCET/NAACAQAR.php>

4. Whether Academic Calendar prepared during the year? Yes

Weblink: http://adcet.in/ADCET/Acadamic_Calender_TE_BE_Even_sem_2019-20.pdf

5. Accreditation Details:

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1 st	A	3.01	2015	March 2015 to Feb. 2020. Extended up-to 31 st December 2022
2 nd	Not Applicable			

6. Date of Establishment of IQAC: 01/01/2013

7. Internal Quality Assurance System

7.1 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
Meeting of IQAC	28/09/2019	1 Day	25
Academic & Administration Audit-Internal	26/07/2019, 27/07/2019, 03/08/2019	3 Days	14 Process Owner
ISO Certification-Audit	26/08/2019, 27/08/2019	2 Days	14 Process Owner
NBA (Compliance) of UG program of Computer Engineering and Civil	16/02/2020	1 Days	Civil Engineering and Computer Engineering stakeholders

Engineering			
-------------	--	--	--

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
Civil Engineering	SERB -TARE	SERB INDIA	2019-20 (Two years)	18,30,000 /-
Civil Engineering	Research Initiation scheme	Shivaji University Kolhapur	2019-20 (Two years)	45000/-
Mechanical Engineering	Research Initiation scheme	Shivaji University Kolhapur	2019-20 (Two years)	75000/-
Mechanical Engineering	Research Initiation scheme	Shivaji University Kolhapur	2019-20 (Two years)	80000/-
Mechanical Engineering	Research Initiation scheme	Shivaji University Kolhapur	2019-20 (Two years)	100000/-
Mechanical Engineering	Research Initiation scheme	Shivaji University Kolhapur	2019-20 (Two years)	28000/-
Computer Science & Engineering	Research Initiation scheme	Shivaji University Kolhapur	2019-20 (Two years)	65000/-
Automobile Engineering	Research Initiation scheme	Shivaji University Kolhapur	2019-20 (Two years)	93000/-
Automobile Engineering	Research Initiation scheme	Shivaji University Kolhapur	2019-20 (Two years)	90000/-
Automobile Engineering	Research Initiation	Shivaji University	2019-20 (Two years)	120000/-

	scheme	Kolhapur		
Electrical Engineering	MODROB	AICTE	2019-20	1505334/-
Mechanical Engineering	STTP	AICTE	2019-20	261000/-

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

*upload latest notification of formation of IQAC

10. No. of IQAC meetings held during the year: 01

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website Yes

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

- Implementation of Quality Management System through ISO 9001:2015 quality system compliance
- Framing of the quality objectives of the Institution and departments
- Design of formats for effective implementation of Quality management System
- Program on patent writing & documentation conducted
- Academic monitoring and improving teaching and learning

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

Plan of Action	Achievements/Outcomes
To prepare the final year B Tech curriculum for all UG	Final year B Tech curriculum for all UG Programs is ready and started

Programs	implementation.
To prepare the branch specific curriculum for FY B Tech.	Branch specific curriculum for FY B Tech. is ready and started implementation.
To define objectives for various process owners	Objectives of the various process owners are defined.
To conduct academic and administrative audit of the Institute.	Academic and administrative audit of the Institute was conducted.
To promote student for internship	Sent students for doing internship in different organizations.

14. Whether the AQAR was placed before statutory body? Yes /No: Yes

Name of the Statutory body: IQAC Date of meeting(s): 15/07/2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning? Yes

During NBA Accreditation of Computer and Civil Engineering Under Graduate Program.

Date-16/02/2020

16. Whether institutional data submitted to AISHE: Yes/No: Yes. AISHE No-C-11099
Year: Date of Submission: 20/04/2020

17. Does the Institution have Management Information System? Yes-Partial

Management Information System:

ADCET has three levels of management, lower, middle and upper. Faculties are the elements of lower management which collects or gets information about the performance of the students in the form of surveys, rubrics, counselling etc. This information is conveyed to the mid- level management involving HOD's, Deans and Director of the ADCET and IQAC. The mid-level management after discussing with upper management consisting of governing body, executive director and a management representative, implements the plans and regulations as per the information received from lower level management. On an example basis the information related to strength and weakness of the outcome based teaching-

learning process of the Institute, academic results etc. are discussed at the mid-level in core-committee meeting and are conveyed to upper management so that the strength can be properly utilized and opportunity can be created and weakness found if any can be converted into strength.

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

The institution develops action plans for effective implementation of the curriculum. At the outset, the Core Committee (CC) of the Institute conducts meetings with the various department heads to develop strategies for effective implementation of the curriculum. Teachers are encouraged to impart the curriculum through innovative teaching methods such as presentations, activity base teaching, assignments, discussions, workshops, seminars, industrial visits, apart from regular/traditional chalk and talk methods. The detailed process is as given below:

Class room learning:

- Academic calendar is made available to all in line with university and AICTE guidelines.
- Head of department (HOD) allots academic work load in consultation with the faculty.
- Class timetable is prepared and displayed before commencement of semester.
- All faculties prepare course file and lesson plan and get approved from HOD, Dean Academics.
- Academic booklet is provided to all students.
- Teaching and learning is carried out by all faculties with the help of chalk and board and other teaching aids.
- Faculty shall submit class attendance online.
- Every fortnight department academic progress is reviewed by Dean academic
- Modular outcome based report is prepared to check achievement of course outcome.
- Conducting internal test (I- class test, midterm test & II - class test) evaluate and review as per the schedule in the academic calendar.
- Outcome based question paper for internal tests.
- Monthly review of student's attendance and reporting defaulters to parents.
- Review of university examination results.

- Learning beyond syllabus by arranging guest lectures.
- Review of progress of project work of BE students by project review committee.
- Review of usage of library by both students & faculty.
- Conducting remedial and improvement classes for academically weaker students and monitor their progress.

Laboratory learning:

- Actual laboratory performance by the faculty during vacation period.
- Batches are made and conveyed to students.
- Laboratory/term work/tutorial learning material is prepared and furnished to students.
- Time slots for laboratory/term work are specified in the time table as per academic calendar.
- Performance of practical by students facilitated by learning leaders in the allotted sessions.
- Continues assessment of performance of the students and giving feedback of their laboratory/tutorial/ term work learning.
- Practical internal oral examination after completion of curriculum.
- Maintaining laboratory manuals/dead stock register/outcome assessment report in the laboratory.
- Service, calibration and maintenance of equipment's by the laboratory assistants.

Evaluation of learning process:

- Observation of classroom/practical/term work/tutorial delivery.
- Generate a report for attainment of module outcomes.
- Signing of academic dairy on regular basis.
- Analysis of student's feedback
- Self-assessment of faculty in terms of key performance indicators.

1.1.2 Certificate/ Diploma Courses introduced during the Academic year

Department	Name of the Certificate Course	Name of the Diploma Courses	Date of introduction and duration	focus on employability/ entrepreneurship	Skill development
Aeronautical Engineering	Introductory Workshop On Computational Fluid Dynamics using ANSYS CFX	Nil	03/06/2019 and 1 Week	Employability	Computational Fluid Dynamics
Mechanical Engineering	Applications of CATIA	Nil	01/06/2020 Duration 1 Week	Employability	CAD Modelling
Mechanical Engineering	Reading Engineering Drawings	Nil	08/06/2020 Duration 1 Week	Employability	Drawing Reading
Mechanical Engineering	Programming Using Arduino	Nil	15/06/2020 Duration 1 Week	Employability	Arduino Programming
Mechanical Engineering	Non-destructive Techniques	Nil	22/06/2020 Duration 1 Week	Employability	Non-destructive Techniques
Mechanical Engineering	Applications of ANSYS	Nil	01/06/2020 Duration 1 Week	Employability	Structural Analysis
Mechanical Engineering	Programming Using Python	Nil	08/06/2020 Duration 1 Week	Employability	Python Programming
Mechanical Engineering	Design Thinking	Nil	15/06/2020 Duration 1 Week	Employability	Design Analysis
Mechanical Engineering	Applications of CFD	Nil	22/06/2020 Duration 1 Week	Employability	CFD Analysis

1.2 Academic Flexibility

1.2.1 New programmes/courses introduced during the Academic year

Programme with Code	Date of Introduction	Course with Code	Date of Introduction
Food Technology	01-06-2019	Nil	Nil

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	UG	Date of implementation of CBCS / Elective Course System
----------------------------------	----	---

Automobile Engineering	BE	18/06/2018
Aeronautical Engineering	BE	18/06/2018
Civil Engineering	BE	18/06/2018
Computer Science & Engineering	BE	18/06/2018
Electrical Engineering	BE	18/06/2018
Electronics and Telecommunication Engineering	BE	18/06/2018
Mechanical Engineering	BE	18/06/2018

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

No of Students	Certificate	Diploma Courses	Offered By
22	Introductory Workshop On Computational Fluid Dynamics using ANSYS CFX	Nil	Aeronautical Engineering
280	Applications of CATIA	Nil	Mechanical Engineering
280	Reading Engineering Drawings	Nil	Mechanical Engineering
280	Programming Using Arduino	Nil	Mechanical Engineering
280	Non-destructive Techniques	Nil	Mechanical Engineering
280	Applications of ANSYS	Nil	Mechanical Engineering
280	Programming Using Python	Nil	Mechanical Engineering
280	Design Thinking	Nil	Mechanical Engineering
280	Applications of CFD	Nil	Mechanical Engineering

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
Professional English Communication Program (PECP)	26/6/2019 - 18/9/2019	208
Professional English Communication Program (PECP)	26/6/2019 - 18/9/2019	153

Revit Architecture	3-13 June 2019	71
Shaping the Future of Construction Practices	23-28th Dec 2019	78
A Vision for the future of Structural Engineering	12th to 16th May 2020	98
Webinar Series	27th July to 01st August 2020	75
Two Weeks Activity Based Workshop on “Advancements In Infrastructure And Rural Development	26th August to 09th September 2020	166
Professional English Communication Program (PECP)	26/6/2019 - 18/9/2019	211
Aptitude Session	18th January 2020	211
Skill Enhancement Programme(DS, C, C++, Algorithms, Database, Java, SE)	25th January 2020	211
Soft Skills	27 July, 2018	48
Professional English Communication Program (PECP)	26/6/2019 - 18/9/2019	68
CRT Training	14/12/2019	284
TCS Specific Training	05/07/2019	100
Infosys Training	15/01/2020	140
Infosys Specific Training	17/01/2020	140

1.3.2 Field Projects / Internships under taken during the year

Project/Programme Title	Program Specialization	No. of students enrolled for Field Projects / Internships
Field project- Design of a Creep Testing Machine for Polymers	Automobile Engineering	4
Field Training	Automobile Engineering	55
Civil Engineering	Civil Engineering	73
Ethical Hacking and Cyber Security	Computer Science Engineering	25
Web Design	Computer Science Engineering	8
Software Development	Computer Science Engineering	3
Software Development	Computer Science Engineering	6
Internship	Electrical Engineering	120
Internship	Mechanical	236

	Engineering	
--	-------------	--

1.4 Feedback System

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes	No	Yes	Yes	Yes

1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution

Feedback analysis Process:

Faculties of ADCET are assessed for their effective teaching methodologies from the students twice in a semester. This process is an online and conducted at department level and is full proof. A faculty from Computer Science & Engineering is assigned a job of institute level coordination who is assisted by each department coordinator to monitor the feedback process. The faculty is assessed against well designed thirteen and fourteen questionnaires in theory subjects and Practical respectively

The each head is measured in the category of Excellent (E), Good (G), Satisfactory(S), Average (A) and Below average (B). The final assessment (Overall rating) is carried out as per the equation mentioned below:

$$\text{FinalAssessment} = \frac{2.5(4\sum E + 3\sum G + 2\sum S + 1\sum A + 0\sum B)}{(\sum E + \sum G + \sum S + \sum A + \sum B)}$$

The overall rating is on the scale of 0 to 10. Soon after the feedback collection the coordinator circulates the overall ratings of all faculties for necessary action. The list of faculties having overall rating more than 9 and less than 7 are made available for reward and corrective measures respectively.

System of Reward:

As detailed in the feedback process, ADCET has designed a process of feedback in which the faculties are issued a letter of appreciation for achieving excellence in the teaching. The letter of appreciation issued by the head of the institution reads as “On behalf of the management and our own behalf, we appreciate you for obtaining the excellent student feedback in the subject _____ taught by you for _____ Year for the year_____.

Please accept our sincere appreciation for the excellent job you had done. We are sure that in future also you will be able to contribute to the growth and development of the institute. Wish you all the best for your future endeavors”.

Sant Dyneshwar Shikshan Sanstha to which our institute ADCET belongs is also contributing for appreciation of teachers who achieved a mile stone in teaching excellence as best teacher award every year.

Corrective Measures:

Discussion of Principal, Head of Department and the faculty performing below average is carried out after every feedback. The points of discussion about the preparation of the subject, student class control etc. and advised them to improve by the next feedback giving concentration on the items where they are lagging.

CRITERION II -TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 Demand Ratio during the year

Name of the Programme	Program Specialization	Number of seats available	Number of applications received	Students Enrolled
B.E.	Aeronautical Engineering	60	54	54
	Automobile Engineering	60	07	07
	Computer Science & Engineering	120	115	115
	Electrical Engineering	120	106	106
	Mechanical Engineering	180	112	112
	Civil Engineering	60	60	60
	Food Technology	60	35	35

2.2 Catering to Student Diversity

2.2.1. Student - Full time teacher ratio (2019-20)

Year	Program	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019-20	Aeronautical	208	00	13	00	00

	Engineering					
	Automobile Engineering	153	00	11	00	00
	Computer Science & Engineering	208	01	19	00	01
	Electrical Engineering	421	8	24	3	2
	Mechanical Engineering	786	5	46	1	00
	Civil Engineering	220	3	18	2	2
	Electronics & Telecommunication Engineering	221	1	10	00	00
	Basic Science	492	00	39	00	00
	Total	2705	18	180	6	6

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 (<i>LMS, e-Resources</i>)	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
Aeronautical Engineering					
13	13	E – Course Files, Interactive Projectors	03	03	E – Course Files & Moodle
Automobile Engineering					
11	11	E – Course Files, Interactive	03	03	E – Course Files, Google classroom,

		Projectors Computers, software programs.			Microsoft teams & Moodle
Computer Science & Engineering					
20	20	E – Course Files, Interactive Projectors Computers, software programs.	03	03	Moocs, Videos, Ppts, E-books, Microsoft Teams, Google Classroom, Google Site, YouTube Channels
Electrical Engineering					
29	29	E – Course Files, Interactive Projectors Computers, software programs	04	04	Moocs, Videos, Ppts, E-books, Microsoft Teams, Google Classroom, Google Site, YouTube channels, Moodle
Mechanical Engineering					
47	47	E – Course Files,	12	12	Moocs, Videos,

		Interactive Projectors Computers, software programs			Ppts, E-books, Microsoft Teams, Google Classroom, Google Site, YouTube channels Moodle
Electronics & Telecommunication Engineering					
10	10	Laptop, Internet with wifi connectivity, Intranet, Digital Library, Power Point Presentation E – Course Files, Interactive Projectors Computers, software programs	03	03	Moocs, Videos, Ppts, E-books, Microsoft Teams, Google Classroom, Google Site, YouTube channels Moodle
Civil					
22	22	E – Course Files, Interactive Projectors Computers,	03	03	Moocs, Videos, Ppts, E-books, Microsoft

		software programs			Teams, Google Classroom, Google Site, YouTube channels Moodle
Basic Science					
39	39	E – Course Files, Interactive Projectors Computers, software programs	10	10	Moocs, Videos, Ppts, E-books, Microsoft Teams, Google Classroom, Google Site, YouTube channels Moodle
Total	Total	Total	Total	Total	Total
191	191	E – Course Files, Interactive Projectors Computers, software programs	41	41	Moocs, Videos, Ppts, E-books, Microsoft Teams, Google Classroom, Google Site, YouTube channels Moodle

2.3.2 Students mentoring system available in the institution? Give details.

The Annasaheb Dange College of Engineering and technology has since last several years practiced a system of mentoring, whereby a Mentor has been provided to every Mentee to look after his/her academic and psychological wellbeing and monitor class attendance, performance and professional as well as personal issues. Under the Mentor system, the departmental teachers of the college have been engaged as mentors. Each faculty will be the mentor of a group of 15 to 20 students. First year students will have mentors from the department of Basic Engineering & Science and second, third, fourth year students will have mentors from the parent department. Each department has coordinator to monitor departmental mentoring activities. At the beginning of the academic session, the class-wise names of the mentors are displayed on the college notice board. The mentors are responsible for academic progress and psychological wellbeing of their mentees. They are also entrusted with the task of monitoring the attendance and academic progress of the students.

Responsibilities: The mentor will perform the following functions. A mentor can always do more for the benefit of the students.

1. Meet the group of students or individual student at least twice a month.
2. Continuously monitor, counsel, guide and motivate the students in all curricular/ co-curricular and extracurricular matters.
3. Advise students regarding choice of electives, project, summer training etc.
4. Contact parents/guardians if situation demands e.g. academic irregularities, negative behavioral changes and interpersonal relations, detrimental activities etc. with the help of class teacher.
5. Advise students in their career development/professional guidance.
6. Intimate HOD and suggest if any administrative action is called for.
7. Refer student if student is needed any psychological help to central counselor.
8. Maintain a detail progressive record of the student (for record purpose uniform record sheet will be there)

Along with this practice College has Counselling Cell since 2015. The Counselling cell of the Annasaheb Dange College of Engineering and Technology, Ashta was established with the aim of providing the therapeutic services to students and parents. The center aims to journey with students and parents in their lives by helping them build more resources within

themselves, remove barriers to their growing potential. And it aims at the holistic development of students. Their emotional and mental health along with their studies is the priority of the college. The counseling cell, with a professionally qualified counselor, helps students overcome stress and develop emotional intelligence that will better equip them for a great professional and personal life ahead. It helps students in learning and living better in a pressure ridden, fast paced competitive world. Confidentiality will be maintained not because it is important in building trust and productive for Student -counselor relationship, but it is also an ethical and legal issue. Students come to counseling cell with concerns such as: Procrastination, loneliness, Anxiety and phobias, Poor body image, Family problems, Achievement conflicts, Problems in intimate relationships, low self-esteem, addiction, Depression, Anger etc. Counselor organizes many lectures for students' various subjects such as Emotional Intelligence, Anger Management, Self-Acceptance, Thinking Styles, Stress Management, Time Management etc. Students are advised to take prior appointment to seek the service.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
2723	191	14.25

2.4 Teacher Profile and Quality

2.4.1 Number of full time teachers appointed during the year

Program	No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D.
Aeronautical Engineering	13	13	00	05	04
Automobile Engineering	11	10	00	00	00
Computer Science & Engineering	20	21	00	01	01
Electrical	21	21	00	04	01

Engineering					
Mechanical Engineering	52	52	00	07	01
Civil Engineering	16	16	0	01	01
Electronics & Telecommunication Engineering	15	15	00	00	02
Basic Science	17	17	00	00	03
Total	165	165	00	18	13

2.4.2 Honors and recognitions received by teachers

(Received awards, recognition, fellowships at State, National, International level from Government, recognized bodies during the year)

<i>Year of award</i>	<i>Name of full time teachers receiving awards from state level, national level, international level</i>	<i>Designation</i>	<i>Name of the award, fellowship, received from Government or recognized bodies</i>
2019-20	Mr. Sushant M. Patil, Mr. Prasad V shinde, Mr. Vijay R. Patil	Asst. Professor	Best Paper Award
2019-20	Mr. Siddheshwar Vilas Patil	Assistant Professor	Best paper award in Research Symposium on Computing 2019 at WCE, Sangli
2019-2020	S.A.Moolya	Assistant Professor	PhD from BITS Pilani K K Birla Goa Campus
2019-2020	Dr. S. S. Shinde	Associate Professor	MVLA Trust, Mumbai

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-	Date of declaration of
----------------	----------------	----------------	---------------------------------	------------------------

			end/ year- end examination	results of semester-end/ year- end examination
B. Tech.	All	First Year	As per the government guidelines due to pandemic situation examinations were not conducted	As per the government guidelines the results were declared on 12/06/2020
	ME	Second Year		
	ET	Second Year		
	CS	Second Year		
	EE	Second Year		
	CV	Second Year		
	AU	Second Year		
	AE	Second Year		
M. Tech	SE	First Year		
	PS	First Year		
	ET	First Year		
	ME	First Year		
	CS	First Year		

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

Assessment and evaluation of the student's performance is the most important and critical part of the educational system. It becomes critical as it must follow the true and fair assessment and evaluation of a student's acquired performance from the blend of the knowledge, skills, and attitude. As a part of sound educational strategy, the institution adopts **Continuous Assessment System (CAS)** to assess all aspects of a student's development on a continuous basis throughout the year.

The CAS includes the evaluation of the student's performance in,

- a) The institute offers a continuous assessment of students cognitive domain by a various examination conducted by Office of Controller of Examinations. It includes In Semester Evaluation I and II (ISE I and II) of 20 marks for theory courses, conducted by course co-ordinator with any of assessment tool other than a written examination of his choice. Using this he/she can assess the other skill sets of the students other than the cognitive domain. The

Mid Semester Examination (MSE) of 30 marks and End Semester Examination of 50 marks conducted centrally under Office of Controller of Examinations.

b) Assessment and evaluation of practical courses are carried out through continuous assessment per week at the time of practical slots.

c) The student's performance at practical courses is evaluated by the external examiner appointed by the Office of Controller of Examinations based on hands-on or viva voce

Other than these points, students and faculties are facilitated with the academic calendar, outcome-based teach plan, activity-based evaluation, and outcome-based continuous assessment sheet.

2.5.3 Academic calendar prepared and adhered for conduct of Examination and other related matters

As the Institute has granted autonomy in 2017-18, planning of academic activities and examination activities are done for First Year, Second Year, Third Year in 2019-20. Also, as the Final year were affiliated to Shivaji University Kolhapur, the planning of examinations is done by the university as per their academic plan. Academic calendar was prepared for all the four years and conduct of examination was in adherence to academic calendar only. Institute focuses on the perfect planning and accurate implementation of planed activity. The number of assessment events per semester are listed below hence planning and on time conduction is important.

- a. In Semester evaluation-I (ISE I)
- b. Mid Semester Examination (MSE)
- c. In Semester evaluation-II (ISE II)
- d. End Semester Examination (ESE)
- e. End Semester Examinations for Practical course
- f. End Semester Re-Examination (Re-ESE)
- g. 100 % Examinations

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs

<http://www.adcet.in/ADCET/mechanicalMain.php>

<http://www.adcet.in/CURRICULUM/MECH/FY.pdf>

<http://www.adcet.in/CURRICULUM/MECH/SY.pdf>

<http://www.adcet.in/CURRICULUM/MECH/TY.pdf>

2.6.2 Pass percentage of students

Programme Code	Programme name	Program Specialization	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage
AE	BE	Aeronautical Engineering	78	78	100
AU		Automobile Engineering	55	55	100
CS		Computer Science & Engineering	76	76	100
EE		Electrical Engineering	128	128	100
ME		Mechanical Engineering	222	216	97.29
CV		Civil Engineering	73	73	100
ET		Electronics & Telecommunication Engineering	68	68	100

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 web-link)

http://adcet.in/ADCET/ADCET_Facility_Feedback_Sem-II_2019-20.pdf

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 organizations

Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the Academic year	Program
Other-AICTE Modrob	3 Years	DST-SERB	1830000	2019-20	Civil Engineering
Minor Projects	2 Years	Shivaji University, Kolhapur	65,000/-	2019-20	Computer Science and Engineering
	2 Years	Shivaji University, Kolhapur	85,000/-	2018-19	Computer Science and Engineering
	2 Years	Shivaji University, Kolhapur	65,000/-	2018-19	Computer Science and Engineering
Interdisciplinary Projects	00	00	00	00	00
Industry sponsored Projects	One year	Shiv Sadan Sangli	Technical Support	2019-20	E & TC
Projects sponsored by the University/ College	2 years	Shivaji University, Kolhapur	3,03,000/-	--	Automobile Engineering
	01 Year	SUK	Rs 75000/-	2019-20	Mechanical Engineering
	2 Years	SUK	20000	2019-20	Civil Engineering
	2 Years	SUK	45000	2019-20	Civil Engineering

Students Research Projects (other than compulsory by the College)	00	00	00	00	00
International Projects	00	00	00	00	00
Any other(Specify)	00	00	00	00	00
Total	--	--	--	--	--

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(s)
Intellectual Property Rights	ADCET	27 th June 2020 11.00 a.m. to 01.30 p.m.
Applications of CATIA	Mechanical Engineering	01/06/2020-05/06/2020
Reading Engineering Drawings	Mechanical Engineering	08/06/2020-12/06/2020
Programming Using Arduino	Mechanical Engineering	15/06/2020-19/06/2020
Non-destructive Techniques	Mechanical Engineering	22/06/2020-26/06/2020
Applications of ANSYS	Mechanical Engineering	01/06/2020-05/06/2020
Programming Using Python	Mechanical Engineering	08/06/2020-12/06/2020
Design Thinking	Mechanical Engineering	15/06/2020-19/06/2020
Applications of CFD	Mechanical Engineering	22/06/2020-26/06/2020
Two Days National Level Workshop on "LaTex"	Basic Science	05th – 6th July 2019

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

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
Automatic Number Plate Recognition	Mrs. Madhura M. Raste, Mr. Magdum	KPIT, Pune	01/03/2020	Project

	Akhilesh, Ms. Pokharnikar Prajakta			
Kitchen Waste Power Station	Mrs. Saylee S. Bidwai, Ms. Pooja Rakate, Ms. Phalle Aishwrya, Ms. Snehal Pawar, Mr. Prajwal Kmable, Ms. Jadhav Shruti	AICTE, Chatra Vishwakarma Award, New Delhi(Ranked in top 13)		Project

3.2.3 No. of Incubation center created, start-ups incubated on campus during the year

Incubation center	Name	Sponsored by	Name of startup	Nature of start up	Date of commencement
NIL	Nil	Nil	Nil	Nil	Nil

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	No. of Ph. Ds Awarded
Nil	Nil

3.3.3 Research Publications in the Journals notified on UGC website during the year

	Department	No. of Publication	Average Impact Factor, if any
National	Aeronautical Engineering	0	--
International		5	--
National	Automobile Engineering	--	--
International		1	--
National	Basic Science	NIL	--
International		9	1.46

National	Civil Engineering	10	1
International		26	1
National	Computer Science and Engineering	2	--
International		8	1.62
National	Electrical Engineering	NIL	--
International		2	--
National	Electronics & Telecommunication Engineering	--	--
International		7	--
National	Mechanical Engineering	0	--
International		19	--

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

Department	No. of publication
Aeronautical Engineering	NIL
Automobile Engineering	1
Basic Science	1
Civil Engineering	13
Computer Science and Engineering	NIL
Electrical Engineering	Book-7, International Conference-10, International Journal-15
Electronics & Telecommunication	1
Mechanical Engineering	10 (Books)
Mechanical Engineering	10 (Conference)

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

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation

						ns
Aeronautical Engineering						
Effect of intermediate aerodisk mounted sharp tip spike on the drag reduction over a hemispherical body at Mach 2.0	Tembhurnikar Payal V., Jadhav Akash T., Sahoo Devabrata	FME Transactions	2020	1.37	Annasaheb Dange College of Engineering and Technology, Ashta	0
Computational analysis of novel cavity-based flameholder designs for supersonic combustion engines	Sanchayata Nayal, Sampada Lamb, Devabrata Sahoo, N. V. Raghavendra, S.A.I. Bellary	IOP Conference Series: Materials Science and Engineering	2020	0	Annasaheb Dange College of Engineering and Technology, Ashta	0
A review of Lighter-than-Air systems for exploring the atmosphere of Venus	Babu, KM Kiran, and Rajkumar S. Pant	Progress in Aerospace Sciences	2020	2.5	Annasaheb Dange College of Engineering and Technology, Ashta	2
Performance optimization of a constant power subcritical organic rankine cycle for low grade heat source with varying temperature	T. Anup Kumar, Ch. Sai Kiran, A. Srinath, N. Samuel, Noble Sharma	International Journal of Mechanical and Production Engineering Research and Development	2020	1.1	Annasaheb Dange College of Engineering and Technology, Ashta	0
Thermo-hydraulic optimization of plate heat exchanger in ORC for a rated heat load	T. Anup Kumar, SK. Vajeer Baba, Noble Sharma, A. Srinath	Journal of Critical Reviews	2020	1.09	Annasaheb Dange College of Engineering and Technology, Ashta	0
Co ₂ + Substituted ZnCuFe ₂ O ₄ (0.0 ≤ x ≤ 0.5) Ferrites: Synthesis, Magneto-structural and Optical Properties for Their Photocatalytic Performance	Mr. Pratapsingh Vijaysingh Gaikwad.	Springer	2019	1	Annasaheb Dange College of Engineering and Technology, Ashta	2

Coefficient Estimates For a Certain Subclass of Bi-Univalent Functions Defined By Multiplier Transformation,	Dr. Navneet Dhondiba Sangle	IJRAR	2019		Annasaheb Dange College of Engineering and Technology, Ashta	
Certain New Classes Of Analytic Functions Defined By Using Al-Oboudi Operator	Dr. Navneet Dhondiba Sangle Mr. Anandrao Nivrutti Metkari	IJRAR	2019		Annasaheb Dange College of Engineering and Technology, Ashta	
New subclass of Bi-Univalent Functions associated to Horadam polynomials	Dr. Navneet Dhondiba Sangle	Science & Engineering Research Support society	2019		Annasaheb Dange College of Engineering and Technology, Ashta	
Mr. A. N. Metkari Dr. N. D. Sangle	A New Class of Univalent Harmonic Meromorphic, Functions of Complex Order	Our Heritage	2020		Annasaheb Dange College of Engineering and Technology, Ashta	
Theme of Social Realism in Premanand Gajve e's Kirwant	Mr. Sandip Bhagwan Barge	Langlit	2020		Annasaheb Dange College of Engineering and Technology, Ashta	
Correlation of Fibonacci Sequence and Golden Ratio With its Applications in Engineering and Science	Mr. Anil Dinkar Chavan Mr. Chetankumar Vasant Suryawanshi	IJMR	2020		Annasaheb Dange College of Engineering and Technology, Ashta	
Effect of electrolytes on photoelectrochemical performance of a CuS-CdS heterojunction	Dr. Ms. Ashatai S. Jadhav	Springer	2020	1	Annasaheb Dange College of Engineering and Technology, Ashta	
To study the effect of substrate on	Dr. Ms. Ashatai Shashikant Jadhav	ICAPAS	2020		Annasaheb Dange College of Engineering	

morphology and photochemical performance of CuS-CdS for solar cell application					and Technology, Ashta	
Automobile Engineering						
Model-Based Condition Monitoring for the Detection of Failure of a Ball Bearing in a Centrifugal Pump	I. M. Jamadar, S. A. I. Bellary, R. A. Kanai, A. A. Alrobaian	Journal of Failure Analysis and Prevention	2019	24	Annasaheb Dange College of Engineering and Technology, Ashta, Walwa, Sangli, Maharashtra, 416301, India	1
Computer Engineering						
Breast cancer diagnosis using abnormalities on ipsilateral views of digital mammograms	S Sapate, S Talbar, A Mahajan, N Sable, S Desai, M Thakur	Biocybernetics and Biomedical Engineering	2019-20	5	AMGOI, Wathar	5
Machine Learning Approach towards Mammographic Breast Density Measurement for Breast Cancer Risk Prediction: An Overview	S Pawar, S Sapate, K Sharma	Proceedings of the 3rd International Conference on Advances in Science & Technology (ICAST) 2020	2019-20	0	ADCET, Ashta	0
Mining Weakly Labeled Web Facial Images for Search-Based Face Annotation Using Neural Network Classifier	AA Kale, AFN Mulla	Computing in Engineering and Technology	2019-20	0	ADCET, Ashta	0
Parallelizing neural network learning to build safe trained model	S Sayyad, D Kulkarni	Computing in Engineering and Technology	2019-20	2	ADCET, Ashta	2
Resource utilization enhancement through live virtual machine migration in cloud using ant colony optimization algorithm	SG Sutar, PJ Mali, AY More	International Journal of Speech Technology	2019-20	2	ADCET, Ashta	2

EELEACH Clustering Approach to Improve Energy Efficiency in WSN	ND Desai, SD Khatawkar	Recent Patents on Engineering	2019-20	0	ADCET, Ashta	0
Load Balancing In Parallel Computing Using Multilevel Graph Partitioning	SV Patil, DB Kulkarni	Solid State Technology	2019-20	0	WCE, Sangli	0
Parallel computing approaches for dimensionality reduction in the high-dimensional data	SV Patil, DB Kulkarni	Third National Research Symposium on Computing	2019-20	1	WCE, Sangli	1
Enhanced Security in Cloud Using Data Partitioning Technique	TS Ruprah, AS Dange	Proceedings of International Conference on Sustainable Computing in Science, Technology and Management (SUSCOM), Amity University Rajasthan, Jaipur - India, February 26-28, 2019	2019-20	0	ADCET, Ashta	0
Civil Science						
A hill slope failure analysis: A case study of Malingaon village, Maharashtra, India	C. R. Shah, S. S. Sathe, P. B. Bhagwati, S. S. Mohite	Geology, Ecology and Landscape, Taylor & Francis	2019	1	ADCET, Ashta	1
Evaluation and Remedial Measures on Premature Failure of Roads in India	P. G. Chandak	Journal of Performance of Constructed Facilities, American Society for Civil Engineers (ASCE)	2019	1	ADCET, Ashta	1
Electrical						
Operation and Control of a DC Micro-grid with Wind Power Generation and Energy Storage	Manoj D. Patil	International Journal of Recent Technology and Engineering (IJRTE)	July 2019	Scopus indexed & UGC approved	ADCET, Ashta	0

Modeling and Simulation of Indirect Back EMF Detection Based Sensor Less Operation of PMSM Drive	Manoj D. Patil, Rajendra B. Madake, Sonali L. Sawant	International Journal of Engineering and Advanced Technology (IJEAT),	October 2019.	Scopus indexed & UGC approved	ADCET, Ashta	0
Design of fractional order controllers using constrained optimization and reference tracking method	M. D. Patil	International Journal of Power Electronics and Drive System	March 2020	Scopus Indexed Journal	ADCET, Ashta	1
A new Intelligent Scheme for Power System Faults detection and classification: A hybrid Technique	Singaram Gopinath	International Journal of Numerical Modelling: Electronic Networks, Devices and Fields	Jan 2020	Web of Science	Annasaheb Dange College of Engineering and Technology, Ashta, India	1
A Access of SST Converter Topologies: Control & Modulation Techniques	J. M. Kharade	International Journal of Recent Technology and Engineering	September -2019	Scopus Indexed Journal	ADCET, Ashta	0
PSO-ANFIS Controlled Multi Level Inverter for integration of Renewable Energy Sources with Smart Grid	Manoj D Patil, Vadirajacharya, Gopinath Singaram, Rajendra B Madake	International Journal of Grid and Distributed Computing (IJGDC)		SCOPUS Indexed	ADCET, Ashta	0
Different Models Formulated for Deregulation in Power System to Improve Its Quality	Dr. Niteen G Savagave, Suraj D Pawar	TEST Engineering and Management. Vol 83		SCOPUS Indexed		
A Comparative Study and Analysis of Deregulation of Indian Power Sector	Dr. Niteen G Savagave, Suraj D Pawar	International Journal of Advanced Science and Technology		SCOPUS Indexed		
Methods and Performance of Congestion	Dr. Niteen G Savagave, Suraj D Pawar	TEST Engineering and Management		SCOPUS Indexed		

Management System		Vol 83		<i>ed</i>		
Electronics and Telecommunication						
Smart Solid Waste Collection and Management System	T. S. Vasagade, Dr. S. S. Tamboli, and A. D. Shinde	Springer Nature Switzerland AG 2020	2019	21	ADCET, Ashta	
Deep Learning Predictive Models for Cognitive Radio System	Sandeep Bidwai, Nikhil Joshi, Saylee Bidwai, Uday Wali	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019		ADCET, Ashta	
Deposition of ZnO Thin Film at Different Substrate Temperature Using RF Sputtering for Growth of ZnO Nanorods Using Hydrothermal Method for UV Detection	· Basavaraj S. Sannakashappanavar, C. R. Byrareddy, Sanjit Varma, Nandini A. Pattanshetti, Aniruddh Bahadur Yadav	Springer Nature Singapore Pte. Ltd. 2020	2020		ADCET, Ashta	
Growth of ZnO Nanorods on different seed layer thickness using the Hydrothermal method for UV detection	· Basavaraj S. Sannakashappanavar, · C. R. Byrareddy, Nandini A. Pattanshetti, Kunal Singh, A. B. Yadav	Journal of Nanoelectronics & Optoelectronics	2019	5	ADCET, Ashta	
Fabrication and characterization of Schottky diode on ultra thin ZnO film and its application for UV detection	· Basavaraj S. Sannakashappanavar, · C. R. Byrareddy, Nandini A. Pattanshetti, Kunal Singh, Aniruddh Bahadur Yadav	Material Research Express	2019	1	ADCET, Ashta	
Robust Speaker Identification using power spectral density and pitch	Mr. V. A. Mane & Dr. S. B. Patil	International Journal of Advanced Science & Technology	2020	-	ADCET, Ashta	-
Synthesis of ZnO Ultra-Thin Film-	Basavaraj S. Sannakashapp	Journal of electronic	2020	-	ADCET, Ashta	-

Based Bottom-Gate Phototransistors for UV Detection	anavar, C. R. Byrareddy, NVL Narasimha Murty, and Aniruddh Bahadur Yadav	Materials				
Mechanical Engineering						
Life Cycle cost analysis of a computerized numerical control machine tool: a case study from Indian Manufacturing Industry	R.B.Patil, L.Y.Waghmode	Journal of Quality in Maintenance Engineering	2019	2	Annasaheb Dange College of Engineering and Technology, Ashta	15
Optimal Design of Surface Texturing Parameters for Improving the Performance of Journal Bearing	Anil B. Shinde, Prashant Pawar, P. S. Daingade, S. P. Chavan	AIP Conference Proceedings	2019	1	Annasaheb Dange College of Engineering and Technology, Ashta	29
Comparative Analysis of Performance Parameters of Journal Bearing with Groove and Dimple Shape Surface Texturing	Anil B. Shinde, M.M.Jadhav	AIP Conference Proceedings	2019	1	Annasaheb Dange College of Engineering and Technology, Ashta	29
Experimental Investigation of Rheological Properties of Water Lubricant by Adding CuO Nano Particles	Anil B. Shinde, D.A.Mhamne, S.V. Nishandar	AIP Conference Proceedings	2019	1	Annasaheb Dange College of Engineering and Technology, Ashta	29
Evaluation of bio-fouling effect in cooling tower by chemical treatment	Vilas S. Hajare, Avesahemad S. N. Husainy, Mandar A. Jadhav, Sumit G. Bardiya, Siddhanath V. Nishandar	International Journal of Recent Technology and Engineering	2019	1	Annasaheb Dange College of Engineering and Technology, Ashta	0
Effect on bubble dynamics during pool boiling heat transfer in a novel aqueous binary mixture of	Prashant B. Pawar, Ganesh N. Rakate, Sujit V. Yadav, Vivek S. Gondkar, Suresh L.	International Conference on Sustainable Innovations in Civil and Mechanical	2020	-	Annasaheb Dange College of Engineering and Technology, Ashta	1

surfactants	Chittewar, Prashant S. Daingade	Engineering				
An Investigation into Performance of Electric Discharge Milling using Slotted tools	S. A. Mullya, G. Karthikeyan, and V. S. Ganachari,	Journal of Mechanical Science and Technology	2020	-	Annasaheb Dange College of Engineering and Technology, Ashta	4
Comparative study of the straight capillary tube for CO2 and R22 refrigerants	Pravin Jadhav, Neeraj Agrawal and Ajit Mane	ICMET 2019.	2019	-	Annasaheb Dange College of Engineering and Technology, Ashta	0
Micromechanics Based Models for Effective Evaluation of Elastic Properties of Reinforced Polymer Matrix Composites	Kathavate, V.S., Pawar, D.N., Bagal, N.S., Adkine, A.S., Salunkhe, V.G.	Sixth International Conference on Recent Advances in Composite Materials	2019	--	Annasaheb Dange College of Engineering and Technology, Ashta	3
A study on Wrinkling Characteristics of NBR Material	Vaibhav S Pawar, Rajkumar S Pant, PJ Guruprasad,	ICTACEM, Scopus	2020	--	Indian Institute of Technology, Bombay	5
Basic Science						
Co ₂₊ Substituted ZnCuFe ₂ O ₄ (0.0 ≤ x ≤ 0.5) Ferrites: Synthesis, Magneto-structural and Optical Properties for Their Photocatalytic Performance	Mr. Pratapsingh Vijaysingh Gaikwad.	Springer	2019	1	YES	2
Coefficient Estimates For a Certain Subclass of Bi-Univalent Functions Defined By Multiplier Transformation,	Dr. Navneet Dhondiba Sangle	IJRAR	2019		YES	
Certain New Classes Of Analytic Functions	Dr. Navneet Dhondiba Sangle Mr. Anandrao	IJRAR	2019		YES	

Defined By Using Al-Oboudi Operator	Nivrutti Metkari					
New subclass of Bi-Univalent Functions associated to Horadam polynomials	Dr. Navneet Dhondiba Sangle	Science & Engineering Research Support society	2019		YES	
Mr. A. N. Metkari Dr. N. D. Sangle	A New Class of Univalent Harmonic Meromorphic, Functions of Complex Order	Our Heritage	2020		YES	
Theme of Social Realism in Premanand Gajve e's Kirwant	Mr. Sandip Bhagwan Barge	Langlit	2020		YES	
Correlation of Fibonacci Sequence and Golden Ratio With its Applications in Engineering and Science	Mr. Anil Dinkar Chavan Mr. Chetankumar Vasant Suryawanshi	IJMR	2020		YES	
Effect of electrolytes on photoelectrochemical performance of a CuS-CdS heterojunction	Dr. Ms. Ashatai S. Jadhav	Springer	2020	1	SUK	
To study the effect of substrate on morphology and photochemical performance of CuS-CdS for solar cell application	Dr. Ms. Ashatai Shashikant Jadhav	ICAPAS	2020		YES	

3.3.6 h-index of the Institutional Publications during the year. (Based on Scopus/ Web of science)

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citation	Institutional affiliations
--------------------	--------------------	----------------------	---------------------	---------	--------------------	----------------------------

						s excludi ng self citation s	mentioned in the publication
Automobile							
Model-Based Condition Monitoring for the Detection of Failure of a Ball Bearing in a Centrifugal Pump	I. M. Jamadar, S. A. I. Bellary, R. A. Kanai, A. A. Alrobaian	Journal of Failure Analysis and Prevention	2019	24	1		Annasaheb Dange College of Engineering and Technology, Ashta, Walwa, Sangli, Maharashtra, 416301, India
Civil							
Evaluation and remedial measures on prematue failure f roads in India	P. G. Chandak	Journal of Preformance of Cnstructed facilities, American Society for Civil Engineers	2019	1	--	--	--
Electronics & Telecommunication							
Smart Solid Waste Collection and Management System	T. S. Vasagade, Dr. S. S. Tamboli, and A. D. Shinde	Springer Nature Switzerland AG 2020	2019	4			ADCET, Ashta
Deep Learning Predictive Models for Cognitive Radio System	Sandeep Bidwai, Nikhil Joshi, Saylee Bidwai, Uday Wali	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	3			ADCET, Ashta
Deposition of ZnO Thin Film at Different Substrate Temperature Using RF Sputtering for Growth of ZnO Nanorods Using Hydrothermal Method for UV Detection	· Basavaraj S. Sannakashappan avar, C. R. Byrareddy, Sanjit Varma, Nandini A. Pattanshetti, Aniruddh Bahadur Yadav	Springer Nature Singapore Pte. Ltd. 2020	2020	3			ADCET, Ashta

Growth of ZnO Nanorods on different seed layer thickness using the Hydrothermal method for UV detection	· Basavaraj S. Sannakashappan avar, · C. R. Byrareddy, Nandini A. Pattanshetti, Kunal Singh, A. B. Yadav	Journal of Nanoelectronics & Optoelectronics	2019	3		ADCET, Ashta
Fabrication and characterization of Schottky diode on ultra thin ZnO film and its application for UV detection	· Basavaraj S. Sannakashappan avar, · C. R. Byrareddy, Nandini A. Pattanshetti, Kunal Singh, Aniruddh Bahadur Yadav	Material Research Express	2019	2		ADCET, Ashta
Robust Speaker Identification using power spectral density and pitch	Mr. V. A. Mane & Dr. S. B. Patil	International Journal of Advanced Science & Technology	2020			ADCET, Ashta
Synthesis of ZnO Ultra-Thin Film-Based Bottom-Gate Phototransistors for UV Detection	Basavaraj S. Sannakashappana var, C. R. Byrareddy, NVL Narasimha Murty, and Aniruddh Bahadur Yadav	Journal of electronic Materials	2020	3		ADCET, Ashta
Mechanical						
Life Cycle cost analysis of a computerized numerical control machine tool: a case study from Indian Manufacturing Industry	R.B.Patil	Journal of Quality in Maintenance Engineering	2019	5	15	Annasaheb Dange College of Engineering and Technology, Ashta
Optimal Design of Surface Texturing Parameters for Improving the Performance of Journal Bearing	Anil B. Sinde	AIP Conference Proceedings	2019	5	29	Annasaheb Dange College of Engineering and Technology, Ashta
Comparative Analysis of Performance Parameters of Journal Bearing with Groove and Dimple Shape Surface Texturing	Anil B. Sinde	AIP Conference Proceedings	2019	5	29	Annasaheb Dange College of Engineering and Technology, Ashta
Experimental Investigation of	Anil B. Sinde	AIP Conference	2019	5	29	Annasaheb Dange

Rheological Properties of Water Lubricant by Adding CuO Nano Particles		Proceedings				College of Engineering and Technology, Ashta
Evaluation of bio-fouling effect in cooling tower by chemical treatment	Siddhanath V. Nishandar	International Journal of Recent Technology and Engineering	2019	0	0	Annasaheb Dange College of Engineering and Technology, Ashta
Effect on bubble dynamics during pool boiling heat transfer in a novel aqueous binary mixture of surfactants	Prashant B. Pawar	International Conference on Sustainable Innovations in Civil and Mechanical Engineering	2020	1	1	Annasaheb Dange College of Engineering and Technology, Ashta
An Investigation into Performance of Electric Discharge Milling using Slotted tools	S. A. Mullya,	Journal of Mechanical Science and Technology	2020	1	4	Annasaheb Dange College of Engineering and Technology, Ashta
Comparative study of the straight capillary tube for CO ₂ and R22 refrigerants	Ajit Mane	ICMET 2019.	2019	0	0	Annasaheb Dange College of Engineering and Technology, Ashta
Micromechanics Based Models for Effective Evaluation of Elastic Properties of Reinforced Polymer Matrix Composites	Salunkhe, V.G.	Sixth International Conference on Recent Advances in Composite Materials	2019	1	3	Annasaheb Dange College of Engineering and Technology, Ashta
A study on Wrinkling Characteristics of NBR Material	Vaibhav S Pawar	ICTACEM, Scopus	2020	1	5	Indian Institute of Technology, Bombay
Basic Science						
Co ₂₊ Substituted ZnCuFe ₂ O ₄ (0.0 ≤ x ≤ 0.5) Ferrites: Synthesis, Magneto-	Mr. Pratapsingh Vijaysingh Gaikwad.	Springer	2019	2	2	ADCET, Ashta

structural and Optical Properties for Their Photocatalytic Performance						
Coefficient Estimates For a Certain Subclass of Bi-Univalent Functions Defined By Multiplier Transformation,	Dr. Navneet Dhondiba Sangle	IJRAR	2019	3		ADCET, Ashta
Certain New Classes Of Analytic Functions Defined By Using Al-Oboudi Operator	Dr. Navneet Dhondiba Sangle Mr. Anandrao Nivrutti Metkari	IJRAR	2019			ADCET, Ashta
New subclass of Bi-Univalent Functions associated to Horadam polynomials	Dr. Navneet Dhondiba Sangle	Science & Engineering Research Support society	2019	3		ADCET, Ashta
Mr. A. N. Metkari Dr. N. D. Sangle	A New Class of Univalent Harmonic Meromorphic, Functions of Complex Order	Our Heritage	2020			ADCET, Ashta
Theme of Social Realism in Premanand Gajvee's Kirwant	Mr. Sandip Bhagwan Barge	Langlit	2020			ADCET, Ashta
Correlation of Fibonacci Sequence and Golden Ratio With its Applications in Engineering and Science	Mr. Anil Dinkar Chavan Mr. Chetankumar Vasant Suryawanshi	IJMR	2020			ADCET, Ashta
Effect of electrolytes on photoelectrochemical performance of a CuS-CdS heterojunction	Dr. Ms. Ashatai S. Jadhav	Springer	2020	1	1	ADCET, Ashta
To study the effect of substrate on morphology and photochemical performance of CuS-CdS for solar cell application	Dr. Ms. Ashatai Shashikant Jadhav	ICAPAS	2020			ADCET, Ashta
Computer Engineering						
Breast cancer diagnosis using abnormalities on ipsilateral views of	S Sapate, S Talbar, A Mahajan, N Sable, S Desai,	Biocybernetics and Biomedical Engineering	2019-20	1	5	AMGOI, Wathar

digital mammograms	M Thakur					
Machine Learning Approach towards Mammographic Breast Density Measurement for Breast Cancer Risk Prediction: An Overview	S Pawar, S Sapate, K Sharma	Proceedings of the 3rd International Conference on Advances in Science & Technology (ICAST) 2020	2019-20	0	0	ADCET, Ashta
Mining Weakly Labeled Web Facial Images for Search-Based Face Annotation Using Neural Network Classifier	AA Kale, AFN Mulla	Computing in Engineering and Technology	2019-20	0	0	ADCET, Ashta
Parallelizing neural network learning to build safe trained model	S Sayyad, D Kulkarni	Computing in Engineering and Technology	2019-20	1	2	ADCET, Ashta
Resource utilization enhancement through live virtual machine migration in cloud using ant colony optimization algorithm	SG Sutar, PJ Mali, AY More	International Journal of Speech Technology	2019-20	1	2	ADCET, Ashta
EELEACH Clustering Approach to Improve Energy Efficiency in WSN	ND Desai, SD Khatawkar	Recent Patents on Engineering	2019-20	0	0	ADCET, Ashta
Load Balancing In Parallel Computing Using Multilevel Graph Partitioning	SV Patil, DB Kulkarni	Solid State Technology	2019-20	0	0	WCE, Sangli
Parallel computing approaches for dimensionality reduction in the high-dimensional data	SV Patil, DB Kulkarni	Third National Research Symposium on Computing	2019-20	0	1	WCE, Sangli
Enhanced Security in Cloud Using Data Partitioning Technique	TS Ruprah, AS Dange	Proceedings of International Conference on Sustainable Computing in Science, Technology and Management (SUSCOM), Amity University Rajasthan, Jaipur - India, February 26-28, 2019	2019-20	0	0	ADCET, Ashta

Electrical Engineering						
Operation and Control of a DC Micro-grid with Wind Power Generation and Energy Storage	Manoj D. Patil	International Journal of Recent Technology and Engineering (IJRTE)	July 2019			Annasaheb Dange College of Engineering and Technology, Ashta, India
Modeling and Simulation of Indirect Back EMF Detection Based Sensor Less Operation of PMLDLC Motor Drive	Manoj D. Patil, Rajendra B. Madake, Sonali L. Sawant	International Journal of Engineering and Advanced Technology (IJEAT),	October 2019.			Annasaheb Dange College of Engineering and Technology, Ashta, India
Design of fractional order controllers using constrained optimization and reference tracking method	M. D. Patil	International Journal of Power Electronics and Drive System	March 2020			Annasaheb Dange College of Engineering and Technology, Ashta, India
A new Intelligent Scheme for Power System Faults detection and classification: A hybrid Technique	Singaram Gopinath	International Journal of Numerical Modelling: Electronic Networks, Devices and Fields	Jan 2020	3	1	Annasaheb Dange College of Engineering and Technology, Ashta, India
A Access of SST Converter Topologies: Control & Modulation Techniques	J. M. Kharade	International Journal of Recent Technology and Engineering (IJRTE)	September-2019			Annasaheb Dange College of Engineering & Technology, Ashta, India
PSO-ANFIS Controlled Multi Level Inverter for integration of Renewable Energy Sources with Smart Grid	Manoj D Patil, Vadirajacharya, Gopinath Singaram, Rajendra B Madake	International Journal of Grid and Distributed Computing (IJGDC)				Annasaheb Dange College of Engineering & Technology, Ashta, India
Different Models Formulated for Deregulation in Power System to	Dr. Niteen G Savagave, Suraj D Pawar	TEST Engineering and Manageme				Annasaheb Dange College of Engineering

Improve Its Quality		nt. Vol 83				g & Technology, Ashta, India
A Comparative Study and Analysis of Deregulation of Indian Power Sector	Dr. Niteen G Savagave, Suraj D Pawar	International Journal of Advanced Science and Technology				Annasaheb Dange College of Engineering & Technology, Ashta, India
Methods and Performance of Congestion Management System	Dr. Niteen G Savagave, Suraj D Pawar	TEST Engineering and Management Vol 83				Annasaheb Dange College of Engineering & Technology, Ashta, India
Aeronautical Engineering						
A review of Lighter-than-Air systems for exploring the atmosphere of Venus	Babu, KM Kiran, and Rajkumar S. Pant	Progress in Aerospace Sciences	2020	-	2	Annasaheb Dange College of Engineering and Technology, Ashta

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

No. of Faculty	International level	National level	State level	Local level
Aeronautical				
Attended Seminars/ Workshops	0	6	0	0
Presented papers	2	0	0	0
Resource Persons	0	0	0	1
Automobile				
Attended Seminars/ Workshops	0	14	2	0

Presented papers	10	0	0	0
Resource Persons	00	0	0	0
Civil				
Attended Seminars/ Workshops	0	2	0	0
Presented papers	20	0	0	0
Resource Persons	0	0	0	0
Computer Science				
Attended Seminars/ Workshops	0	45	0	58
Presented papers	8	2	0	0
Resource Persons	0	4	0	2
Electrical				
Attended Seminars/ Workshops	0	112	0	0
Presented papers	0	0	0	0
Resource Persons	0	0	0	0
Electronics & Telecommunication				
Attended Seminars/ Workshops	19	01	06	01
Presented papers	0	0	0	0
Resource Persons	0	0	0	0
Mechanical				
Attended Seminars/ Workshops	00	49	00	00
Presented papers	10	00	00	00
Resource Persons	00	00	00	00
Basic Science				
Attended Seminars/ Workshops	00	24	00	00
Presented papers	00	15	00	00
Resource Persons	7	3	00	00
Total				

Attended Seminars/ Workshops	19	253	08	59
Presented papers	40	17	00	00
Resource Persons	7	07	00	03

3.4 Extension Activities

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

Title of the Activities	Organizing unit/ agency/ collaborating agency	Number of teachers coordinated such activities	Number of students participated in such activities
Cleanliness Program under Swatch Bharat Abhiyan	NSS, ADCET, Ashta	9	100
Tree Plantation Drive at Malewadi, Taluka Walawa, District Sangli	NSS, ADCET Ashta and Forest Department, Govt. of Maharashtra	9	350
Blood Donation Camp	NSS, ADCET Ashta and Rajarambapu Patil Blood Bank, Islampur, Shashwat Blood Bank, Mraj	9	272
Walk of 10000 steps under "Fit India Movement" and Live viewing of the programme "Fit India Movement" held at New Delhi Launched by Prime Minister	NSS, ADCET Ashta, and Govt of India	2	96
Cleanliness program at ADCET under Swatch Bharat Abhiyan	NSS, ADCET Ashta	18	440
Street Play – Ek Paul Swachhatekade at Sangli Railway Station	NSS, ADCET Ashta	2	14
Seminar on gender equality by Dr. Varsha Khot	NSS, ADCET Ashta, ADAMC, Ashta	2	550

Republic Day Celebration and parade at ADCET Campus	NSS, ADCET Ashta,	9	70
Seminar on Election Literacy Program and Voting Registration	NSS ADCET Ashta	1	500

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	No. of Students benefited
--	--	--	--

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

Name of the scheme	Organizing unit/ agency/ collaborating agency	Name of the activity	Number of teachers coordinated such activities	Number of students participated in such activities
“Fit India Movement” held at New Delhi Launched by Prime Minister	NSS, ADCET Ashta, and Govt of India	Walk of 10000 steps under “Fit India Movement” and Live viewing of the programme	2	96

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	Duration
--------------------	-------------	---------------------	----------

		support	
--	--	--	--

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-To)	Participant
Automobile				
Industry Institute Interaction	Industry Institute Interaction	Sound Casting, E-2, MIDC, Shirol, Kolhapur	28/11/2019	1
Industry Institute Interaction	Industry Institute Interaction	Ghatage Patil Industries, 5 star MIDC, Kolhapur	28/11/2019	1
Industry Institute Interaction	Industry Institute Interaction	QH Talbros pvt. Ltd. A/p-Shirval, Pune.	29/11/2019	1
Industry Institute Interaction	Industry Institute Interaction	Henka Suru, A/p-Shirval	29/11/2019	2
Industry Institute Interaction	Industry Institute Interaction	Ijlin global India pvt. ltd., A/p-Shirval, Pune	29/11/2019	2
Industry Institute Interaction	Industry Institute Interaction	Ghatage Patil Industries Plant No. 1, RS no. 364/1, Kolhapur	04/12/2019	3
Industry Institute Interaction	Industry Institute Interaction	Marine Fabrics, J-8, MIDC, Gokul Shirgoan, Kolhapur	05/12/2019	2
Industry Institute Interaction	Industry Institute Interaction	OHR Foundation, Shivajinagar, Pune.	29/11/2019	1
Computer Science				
Research	Resource utilization enhancemnet through live virtual machine migration in cloud using ant colony optimization algorithm	OPRA IT Solutions, Pune	Jun-19	Feb-20

Internship	Internship	OPRA IT Solutions, Pune	17/1/2020	18/3/2020
training of student and faculty	Webinar on software developemnt using agile	Siemen's , Pune	21-Jun-20	21-Jun-20
placemnet drive	Placement drive of Raja Software	Tech Hub, Pune	23-Sep-19	26-Sep-19
placemnt and webinar	Placement and webinar	Mithi Softwares, Pune	Jun-19	Apr-20
Internship	Internship	Pristine Info, Kolhapur	08-Jun-19	16-Jun-19
Placement	Placement	Axelor technologies, Surat	14-Oct-19	14-Oct-19
internship	internship	List software Sangli	19-Jun	20-Jul
Placement	Placement	Renu Electronics Pvt Ltd., Pune	30-May-19	14-Jun-19
Placement and training	Placement, faculty dvelopment program	Proxima Biz Pvt Ltd Pune	05-Jun-20	07-Jun-20
Training	Guest lecture	BrainGrid Solutions Pvt Ltd Pune	03-Feb-20	23-Feb-20
Training	Faculty developemnt program	Oracle Financial Services Pvt Ltd Pune	05-Jun-20	07-Jun-20
Internship	Internship	Aquiscent Technologies, Pune	25-Dec-19	25-Jan-20
Mechanical				
Industry	Internship	Aarti Enterprises, Ichalkaranji	28/12/2019-11/01/2020	6
Industry	Internship	Alpha Foundary	28/12/2019-11/01/2020	3
Industry	Internship	Ashta linears pvt. Ltd. Ashta	28/12/2019-11/01/2020	5
Industry	Internship	Bashko Engineering Pvt. Ltd., Kupwad	28/12/2019-11/01/2020	4
Industry	Internship	Bhabha Engg. Pvt Ltd, Miraj	28/12/2019-11/01/2020	2
Industry	Internship	Bharat Forge, Pune	28/12/2019-11/01/2020	5
Industry	Internship	Bhide & Sons Pvt Ltd, Sangli	28/12/2019-11/01/2020	2
Industry	Internship	Bhudhale and bhudhale Industries pvt ltd, Kolhapur	28/12/2019-11/01/2020	1
Industry	Internship	Chinchwade Associates	28/12/2019-11/01/2020	1
Industry	Internship	Cooper Corporation Pvt. Ltd., Satara	28/12/2019-11/01/2020	1
Industry	Internship	D N Wind Pvt. Ltd, Topsambhapur, Kolhapur	28/12/2019-11/01/2020	1
Industry	Internship	Dazzle Dynacoats, Sangli	28/12/2019-11/01/2020	1
Industry	Internship	Dhanaprakash Industrial Corporation, Kupwad	28/12/2019-11/01/2020	3
Industry	Internship	Digvijay Industries, Sangli	28/12/2019-	2

			11/01/2020	
Industry	Internship	ED Steel Pvt. Ltd., Shirol Kolhapur	28/12/2019-11/01/2020	7
Industry	Internship	Emprirical Technology Pune	28/12/2019-11/01/2020	9
Industry	Internship	Fag Controls, Udyamnagar, Kolhapur	28/12/2019-11/01/2020	1
Industry	Internship	FIE Group, Ichalkaranji	28/12/2019-11/01/2020	2
Industry	Internship	Fine Speavy Associates & Engg.Pvt Ltd., Miraj	28/12/2019-11/01/2020	9
Industry	Internship	Forbes marshall, Pune	28/12/2019-11/01/2020	1
Industry	Internship	Fuel Instruments & Engg. Pvt. Ltd, Ichalkaranji	28/12/2019-11/01/2020	1
Industry	Internship	Genral Machine Tools, Ichalkaranji	28/12/2019-11/01/2020	1
Industry	Internship	Ghatge Patil Industries, Unchgaon, Kolhapur	28/12/2019-11/01/2020	4
Industry	Internship	J K Industries, Sangli	28/12/2019-11/01/2020	1
Industry	Internship	JANGS Technologyes, Ichalkaranji	28/12/2019-11/01/2020	2
Industry	Internship	Jsons Foundry Pvt. Ltd., Kupwad	28/12/2019-11/01/2020	4
Industry	Internship	JSW Energy Ltd, Jaigad, Ratnagiri	28/12/2019-11/01/2020	5
Industry	Internship	K. U . B. Quliaty Service pvt ltd, Nigadi, Pune	28/12/2019-11/01/2020	2
Industry	Internship	Kadam Pattern, Tasgaon	28/12/2019-11/01/2020	1
Industry	Internship	Kalapi Engineering, Kupwad, Sangli	28/12/2019-11/01/2020	1
Industry	Internship	Karad Project & Motors Ltd., Tasawade, Karad	28/12/2019-11/01/2020	8
Industry	Internship	Kiran Industries, Karad	28/12/2019-11/01/2020	1
Industry	Internship	Kirloskar Brothers Ltd., Kirloskarwadi	28/12/2019-11/01/2020	8
Industry	Internship	Kirloskar Oil Engine, Kagal	28/12/2019-11/01/2020	1
Industry	Internship	Kirloskar Pumps Ltd, Kirloskarwadi	28/12/2019-11/01/2020	6
Industry	Internship	Koshal engineering	28/12/2019-11/01/2020	2
Industry	Internship	Kulkarni Engineering Industry, Kupwad	28/12/2019-11/01/2020	1
Industry	Internship	M. P. Metals, Ashta	28/12/2019-11/01/2020	1
Industry	Internship	Mahabal Metals, Miraj	28/12/2019-	2

			11/01/2020	
Industry	Internship	Manufactures Association of Kagal-Hatkanagale (MAKH)	28/12/2019-11/01/2020	29
Industry	Internship	Manugraph Industries Ltd., Kolhapur	28/12/2019-11/01/2020	4
Industry	Internship	Maya Engineering Works, Karad	28/12/2019-11/01/2020	2
Industry	Internship	Menon Automobiles, Kolhapur	28/12/2019-11/01/2020	2
Industry	Internship	Menon Piston Ltd, Kagal	28/12/2019-11/01/2020	1
Industry	Internship	MK Industries Ltd. Palus	28/12/2019-11/01/2020	1
Industry	Internship	Neeta Instruments Pvt Ltd, Shirol Kolhapur	28/12/2019-11/01/2020	3
Industry	Internship	NETMECH Engineering, Pvt. Ltd, Yadrav, Ichalkaranji	28/12/2019-11/01/2020	11
Industry	Internship	P. K. Industries, Palus	28/12/2019-11/01/2020	1
Industry	Internship	Pragati Industries, Sangli	28/12/2019-11/01/2020	1
Industry	Internship	Rajarambapu Sahakari Sakhar Karkhana, Islampur	28/12/2019-11/01/2020	3
Industry	Internship	Ratnatray Engineering, Mouje Agar	28/12/2019-11/01/2020	1
Industry	Internship	Sagar Cold Storage, Tasgaon	28/12/2019-11/01/2020	2
Industry	Internship	Shahu Shugar Factory, Kagal	28/12/2019-11/01/2020	1
Industry	Internship	Shiv Engineering and Services, Tasawade, Karad	28/12/2019-11/01/2020	7
Industry	Internship	Sigal Engineer, Ahmednagar	28/12/2019-11/01/2020	1
Industry	Internship	Sound Casting Industries Pvt Ltd, Hatkangale	28/12/2019-11/01/2020	2
Industry	Internship	Srujan Automation, Ichalkaranji	28/12/2019-11/01/2020	1
Industry	Internship	Sunanda Engineering Works, Palus	28/12/2019-11/01/2020	2
Industry	Internship	SunBeam Appliances, Yelur	28/12/2019-11/01/2020	2
Industry	Internship	Suparcraft Foundry, Sangli	28/12/2019-11/01/2020	1
Industry	Internship	Suyash Iron & Steel, Miraj	28/12/2019-11/01/2020	2
Industry	Internship	Swastik Engineers, Ichalkaranji	28/12/2019-11/01/2020	6
Industry	Internship	Tata Motors, Nagpur	28/12/2019-11/01/2020	2
Industry	Internship	Technica Engineers, Shirol, Kolhapur	28/12/2019-	4

			11/01/2020	
Industry	Internship	Techno Engineering, Ichalkaranji	28/12/2019-11/01/2020	3
Industry	Internship	Technomax Engineering product, Karad	28/12/2019-11/01/2020	4
Industry	Internship	Ushaprabha Industries, Kagal	28/12/2019-11/01/2020	2
Industry	Internship	V R Precision Industries, Bhosari, Pune	28/12/2019-11/01/2020	3
Industry	Internship	Waaree Energies Ltd, Surat	28/12/2019-11/01/2020	1
Industry	Internship	Pooja Industries, Jaysingpur	28/12/2019-11/01/2020	5
Industry	Internship	Super Craft Foundary, Jaysingpur	28/12/2019-11/01/2020	5
Industry	Internship	Engineering Technologies, Jaysingpur	28/12/2019-11/01/2020	3
Project work	Reduction in Ingate Length of Differential with Help of Simulation Tool.	Ashta Liners, Ashta	July 2019 to April 2020	Mr. S. L. Chittewar + 5 Members
Project work	Design & Development of Semiautomatic Pipe Bending Machine	MAX-V Refrigeration Pvt. Ltd., Madhavnagar, Sangli,	July 2019 to April 2020	Mr. G. M. Chendke + 5 Members
Project work	Design and Analysis of Butterfly Valve in Hydraulic System	Aquavari Technical Solutions Pvt. Ltd., Palus	July 2019 to April 2020	Mr. S. L. Chittewar + 4 Members
Project work	Design of Bulk Milk Cooler for Capacity 1000 Liter	Shiv Engineers and Services, MIDC Karad	July 2019 to April 2020	Mr. A. R. Mane + 4 Members
Project work	Design and Development of Dough Ball Rolling Machine	Swastik Camphor industries, Kolhapur	July 2019 to April 2020	Mr. M. M. Bepari + 5 Members
Project work	Design and Manufacturing of Fixture Body for "Body Pressure Relief Valve	KBS Engineers, Shirol MIDC, Kolhapur	July 2019 to April 2020	Mr. K. I. Nargatti + 5 Members
Project work	Design and Development of Oil Dipping Machine	Climax Engineering Enterprises, Ichalkaranji	July 2019 to April 2020	Mr. S. A. Mullya + 4 Members
Project work	Design and	Bharat Auto Industries, Hatkanangale	July 2019 to	Mr. S. V. Patil

	Development of Automatic Magnetic Separator		April 2020	+ 5 Members
Project work	Optimization of Casting Process Parameters through Simulation by using AutocastX	Ashta Liners Pvt.Ltd. , Ashta	July 2019 to April 2020	Mr. V. S. Gondkar + 5 Members
Project work	Design and development of setup for coating of heat sealing belt	Dazzle Dynacoates Pvt. Ltd., Sangli	July 2019 to April 2020	Mr. H. H. Patil + 5 Members
Project work	Design and Development of Sheet Metal Rolling Machine	Koshal Engineering Works, Sangli	July 2019 to April 2020	Mr. D. A. Mhamane + 5 Members
Project work	Design and Fabrication of Single Girder Overhead Crane	K. K. Trading company, Sangli	July 2019 to April 2020	Mr. P. B. Pawar + 5 Members
Project work	Design and Development of Dish End Flanging Machine for Milk Chiller	MAX-V Refrigeration Pvt. Ltd., Madhavnagar, Sangli,	July 2019 to April 2020	Mr. K.J. Burle + 5 Members
Project work	Maintenance & Upgradation of Slotting Machine	Kasturi Foundry Pvt Ltd Ashta	July 2019 to April 2020	Mr. Y. P. Ballal + 5 Members
Project work	Design and Development of Automatic Chakali Making Machine	K. K. Trading company, Sangli	July 2019 to April 2020	Mr. G. B. Pawar + 5 Members
Project work	Design and Development of CNC Plotter Machine	Immaculate Instruments, Pune	July 2019 to April 2020	Mr. P. B. Patil + 5 Members
Project work	Solar Operated 3600 Automatic Air Cooler	Ascent electrotech, electrical engg. & contractors, Kasabe Digraj	July 2019 to April 2020	Mr. P. D. Kulkarni + 5 Members
Project work	Design and Development of Manual Rice Trans Planter	Vishwakarma Industry, Peth	July 2019 to April 2020	Mr. P. R. Bhokare + 5 Members
Project work	Design of Tool Holding Device	Technocraft Engineering, Hatkangale	July 2019 to April 2020	Mr. A. V. Patil

	to Check Tool Run-Out by using Dial Indicator			+ 5 Members
Project work	Design and Analysis of Ash Handling System using Temperature Reduction in Screw Conveyor	Spaco Co-operation Sangli	July 2019 to April 2020	Dr. V. S. Pawar + 5 Members
Project work	Design and Development of Alignment Fixture for Conveyor Shaft Pulley	Spaco Co-operation Sangli	July 2019 to April 2020	Mr. S. V. Yadav + 5 Members
Project work	Design and Development of Pesticide Sprayer	Sairam Agro Agency, Solapur	July 2019 to April 2020	Mr. P. V. Mali + 5 Members
Project work	Design Developed and Optimization of Hydraulic Press as a Silage Making Machine.	Satyavijay Engineering and Welding Works, Kasegaon	July 2019 to April 2020	Mr. P. S. Daingade + 5 Members
Project work	Design and development of wire cable measuring and winding machine	J. K. Engineering works Pvt. Ltd. Sangli		Mr. G. B. Pawar + 6 Members
Project work	Design and fabrication of mixture for drilling machine to conduct angular drilling operation	Chikurdekar Industries Urun Islampur		Mr. A. A. Jadhav + 6 Members
Project work	Design and development of dough rolling machine	Arti Industries Pvt. Ltd. Ichalkaranji		Mr. S. V. Patil + 6 Members
Electrical Engineering				
Final year project design support	Project entitled "Design and Analysis of Shunt Passive Power Filter for	Clariant Power System Ltd "Clariant House", 799/A, Bhandarkar Road, PUNE – 411004 Mbl : +91 8975753242/+91 9175106355	One Day (27.07.2019-27.07.2019)	Prof. Sameer Usman Bagwan (Project Guide)

	Harmonic Mitigation"	Web : www.clariantpower.com		1. Gaurav Kolap 2. Pooja Chogule 3. Bibhisan Ghule 4. Nikita Nangare
50 % sponsorship on MPP capacitor purchase for project and Testing Facility	Project entitled "Design and Analysis of Shunt Passive Power Filter for Harmonic Mitigation"	YashEnergy Capacitors PVT. LTD., Islampur	One Day (25.09.2019-25.09.2019)	Prof. Sameer Usman Bagwan (Project Guide) 1. Gaurav Kolap 2. Pooja Chogule 3. Bibhisan Ghule 4. Nikita Nangare
Basic Science				
Nature of Linkage	Title of Linkage	Name of industry	Duration	Participant
Industry	Internship	Indocount Home Textile, MIDC, Kagal.	01/06/19 to 15/06/19	01
		J.K.Engineering and suppliers, Sangli.	01/06/19 to 20/06/19	01
		Shankar Sargar Industry Madhavnagar,Dist.-Sangli	20/05/19 to 05/06/19	01
			24/05/19 to 07/06/19	02
		Shriwardhan Corporation, Sangli	16/06/19 to 24/06/19	01
		Girija Industries	10/05/19 to 05/06/19	01
		MG Industries Karad, Dist- Satara	12/05/19 to 30/05/19	19
		Vinati Organic Ltd. Lote MIDC,Khed	07/06/19 to 22/06/19	02
		Mahabal Metals,Pvt.Ltd., MIDC,	24/05/19 to	01

		Miraj	24/06/19	
		A.G.Electricals, Karad	08/06/19 to 24/06/19	07
		Kirloskar Brothers, Ltd. Kirloskarwadi	10/06/19 to 17/06/19	02
		Sheetal Industries, Pune	20/05/19 to 05/06/19	02
		Shankar Sargar Industry Madhavnagar, Dist.-Sangli	24/05/19 to 07/06/19	02
			30/05/19 to 13/06/19	01
		SNR Electronics, Kupwad	15/06/19 to 22/06/19	01
	Internship	Cooper Corporation Pvt. Ltd. Additional MIDC, Satara.	04/03/2019	4
	curriculum design	Kirloskar Brother Ltd. Kirloskarwadi. Tal-Walwa, Dist.-Sangli.	14/03/2019	3
	Industrial Visits	Hindusdtan Aeronautoics Ltd. HCL Corporation office, 15/1 Cubbon Road, Banglore-560001	15/03/2019	4
	Training	RCF Thal India Ltd. Alibag.	16/03/2019	3
	Internship	Exotech Zanini Industries Pvt. Ltd. F27, B Ranjangaon MIDC Taluka – Shirur, Dist.: Pune, 412220, Maharashtra, India	01/04/2019	2
	Industrial Training	AG Electricals, Karad.	15/04/2019	3
Electronics and Telecommunication Engineering				
Industry		Dolphin Labs, Pune	27/05/2019	4
		Electro Dreams Tech India, Sangli	18/12/2019	4
		CPC Academic, Pune	13/06/2019	2
		RTTC BSNL, Pune	22/12/2018	20

		Disha Computers, Sangli	01/06/2019	5
		ECS Software Technologies Pvt. Ltd, Karad	05/06/2019	4
		Kaivalya Electricals, Islampur	17/12/2018	5
		FountLab Solutions Pvt, Ltd.	05/06/2019	2
		Sparsh Tech, Kodoli	10/06/2019	1
		ECS software technologies Pvt.Ltd. Karad	05/06/2019	3
		Kanaad Services and Training, Sangli	29/05/2019	4
		Inteva Products India Automotive Pvt.Ltd. , Chakan	20/12/2018	5
		S.N.R Electronics Sangli	03/12/2018	4
		E-Cube Electro solutions, Miraj	04/06/2019	4
		Innovate Industrial Automation Training	04/06/2019	3
		Mayuresh Industries, Kolhapur	28/05/2018	
		Unicon Agro , Sangli	04/06/2018	1
		M/S Shankar Sargar Engineering, Sangli	01/12/2017	1
Civil Engineering				
Industry	Intership	Ashta Shahar & Parisar Engineer's Association	01/06/2019	30/06/2019
Industry	Intership	SCG Design Solutions Pvt. Ltd. Pune	01/06/2019	30/06/2019
Association	Intership	The Karad Architect and Engineers Association	01/06/2019	30/06/2019
Aeronautical Engineering				
Projects	Three Dimensional Charecterization of Welded Joints	M/S KUB Quality Services Pvt. Ltd, Pune, Maharashtra	20th June 2019	4

Placements	Campus Recruitment	M/s Quest Global Pvt.Ltd, Belgaum, Karnataka	10th Aug 2019	7
Placements	Campus Recruitment	M/s Gloinnt Solutions Pvt. Ltd, Bangalore, Karnataka		12
Training	Workshop on Gas Turbine Engines	M/s Pratt & Whitney India Training Center, Hyderabad, Telangana	13/09/2019 to 14/09/2019	28
Projects	Three Dimensional Charecterization of Welded Joints	M/S KUB Quality Services Pvt. Ltd, Pune, Maharashtra	20th June 2019	4

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

Organization	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs
Automobile			
New Bharat Diesel, Sangli.	23/07/2015	Training	1 Faculty
Siddhivinayak Auto[Hero], Sangli.	01/02/2019	Training	2 faculty
Perfect Pins, Kolhapur.	01/02/2019	Internship & Placement	10 Students
Shri Pant Industries, Islampur.	01/02/2019	Internship & Placement	2 Faculty
Pentamech, Ichalkaranji.	01/02/2019	Internship & Placement	2 Faculty
ACE Micromatics Machine Tool Pvt. Ltd. Kolhapur.	01/02/2019	Internship & Placement	2 Faculty
Civil			
Ashta Shahar & Parisar Engineer's Association		A workshop named as "Nirmittee Expo 2020"	220
SCG Design Solutions Pvt. Ltd. Pune		Students Placements	5
The Karad Architect and Engineers Association		Students Internships	8
Electrical			
YashEnergy Capacitors PVT. LTD., Islampur	09.11.2019	Industrial Visit in group	4/1
		Component Testing Facility	
Fusion Leap PVT.LTD, Vijaynagar, Miraj	15.11.2019	Faculty Training	21
A plus Electrical	21.11.2019	Project Assistance	8/2

Solution, Sangli			
Mechanical			
Palus MIDC Manufacturing, Association	27/07/2019	Internships, Placements, Curriculum Design, Industrial Trainings/Visits, FDP	Dr. G. N. Kulkarni, Dr. S. P. Chavan, Dr. P. D. Kulkarni, Mr. S. V. Patil
Manufactures Association of Kagal-Hatkanagale (MAKH)	20/08/2019	Internships, Placements, Curriculum Design, Industrial Trainings/Visits, FDP	Prof. R. A. Kanai, Dr. S. P. Chavan, Dr. P. D. Kulkarni
Krishna Valley chamber of Industries & Commerce, Kupwad, Sangli	18/07/2019	Internships, Placements, Curriculum Design, Industrial Trainings/Visits, FDP	Dr. S. P. Chavan, Dr. P. D. Kulkarni
Shiroli Manufacturing Association, Kolhapur (SMAK)	11/09/2019	Internships, Placements, Curriculum Design, Industrial Trainings/Visits, FDP	Prof. R. A. Kanai, Mr. M. M. Jadhav, Dr. P. D. Kulkarni, Mr. S. T. Ghutukade, Mr. D. A. Mhamane, Mr. S. V. Nishandar, Mr. S. V. Yadav
Ecosun Energy Company, Pune	12/09/2019	Internships, Placements, Curriculum Design, Industrial Trainings/Visits, FDP	Dr. P. D. Kulkarni

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
4,00,00,000/-	3,76,06,398/-

4.1.2 Details of augmentation in infrastructure facilities during the year

Facilities	Existing	Newly added
Campus area	20 Acers	--
Class rooms	48	--
Laboratories	100	--
Seminar Hall	08	--
Class room with LCD facilities	48	--
Class room with wifi/LAN	Yes	--
Class Rooms		
Aero	03	
Auto	03	--
Civil	03	
CSE	03	
Electrical	06	
ETC	04	
Mech	11	
BS	10	
Laboratories		
Aero	12	

Auto	11	
Civil	13	
CSE	09	
Electrical	14	
ETC	14	
Mech	22	
BS	04	
Seminar Halls		
Aero	01	
Auto	01	
Civil	01	
CSE	01	
Electrical	01	
ETC	01	
Mech	03	
BS	01	
Classrooms with LCD facilities		
Aero	03	
Auto	03	
Civil	03	
CSE	03	
Electrical	04	
ETC	03	
Mech	11	
BS	10	
Classrooms with Wi-Fi/ LAN		
Aero	03	
Auto	04	
Civil	03	
CSE	03	
Electrical	04	
ETC	04	

Mech	11	
BS	10	
Seminar halls with ICT facilities		
Aero	01	
Auto	01	
Civil	01	
CSE	01	
Electrical	01	
ETC	01	
Mech	01	
BS	01	
Video Centre		
Aero	--	
Auto	--	
Civil	01	
CSE	--	
Electrical	01	
ETC	--	
Mech	--	
BS	--	
No. of important equipment's purchased (\geq 1-0 lakh) during the current year.		
Aero	1	
Auto	--	
Civil	1	
CSE	1	
Electrical	--	
ETC	--	
Mech	34	
BS	--	--
Value of the equipment purchased		

during the year (Rs. in Lakhs)		
Aero		3531256/-
Auto	--	--
Civil	--	1,65,200/-
CSE	--	2,50,000/-
Electrical	--	--
ETC	--	--
Mech	1,65,56,698/-	833,276/-
BS	--	--
Others	--	--

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-Granthalay	Partially	3.0	2010

4.2.2 Library Services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	41555	1,33,67,441/-	246	53,555/-	41801	1,334,20,996/-
Reference Books	2500	64,78,483/-	45	87,332/-	2545	65,65,815/-
e-Books	9726	23,83,711/-	-	-	9726	23,83,711/-
Journals	42	1,15,288/-	38	88,500/-	-	-
e-Journals	780	8,99,570/-	-	-	-	-
Digital Database	-	-	-	-	-	-
CD &	65&NPTEL 10000+ Lectures	3,64,446/-	-	-	-	-

Video						
Library automation	-	-	-	-	-	-
Weeding (Hard & Soft)						
Others (specify)						

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
Mr.K.M.Kiran Babu (Teaching Assistant)	Introduction to Aerospace Engineering	NPTEL	01/08/2019

4.3 IT Infrastructure

4.3.1 Technology Up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available band width (MGBPS)	Others
Existing	886	24	Yes	1	1	1	8	200mbps	
Added	10	03	Yes	-	-	-	-	-	
Total	896	27	Yes	1	1	1	8	200mpbs	

4.3.2 Bandwidth available of internet connection in the Institution (Leased line): 155 mbps

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
Aeronautical	
Google Sites	https://sites.google.com/adcet.in/aero
Automobile	
Google Sites	https://sites.google.com/a/adcet.in/sushant-patil/
	https://sites.google.com/a/adcet.in/mr-i-m-jamadar/
	https://sites.google.com/a/adcet.in/shailendracha van/
	https://sites.google.com/a/adcet.in/swapnilgawade15/
	https://sites.google.com/a/adcet.in/rohitbarwadeauto/
	https://sites.google.com/a/adcet.in/yogeshmohite auto/
	https://sites.google.com/a/adcet.in/prasad-v-shinde/
	https://sites.google.com/a/adcet.in/vijay-patil/
	https://sites.google.com/a/adcet.in/asmitamali/
Civil	
Mrs. Sharayu S. Pujari.	https://unacademy.com/@sharayupujari?utm_campaign=SharayuPujari&utm_medium=SharayuPujari_30_11_18&utm_source=Youtube_Main_SpecialClass
CSE	
Google Sites	https://sites.google.com/adcet.in/iot https://sites.google.com/a/adcet.in/mrs-a-n-mulla/course-2 https://sites.google.com/a/adcet.in/taranpreet-singh/course-3 https://sites.google.com/a/adcet.in/prof-amol-dange/ https://sites.google.com/a/adcet.in/mrs-ashvini-s-

	patil/course-1
Electrical	
Google Sites	https://sites.google.com/site/manojdhondirampatil/ https://sites.google.com/a/adcet.in/vishalpatil/ https://sites.google.com/a/adcet.in/swapnil-d-patil/ https://sites.google.com/a/adcet.in/yakubmakandar/
ETC	
Google Sites	https://sites.google.com/a/adcet.in/prof-mrs-s-s-shinde/
	https://sites.google.com/a/adcet.in/rupali-jagtap/
	http://sites.google.com/a/adcet.in/mrs-m-m-raste
	http://sites.google.com/a/adcet.in/prof-v-a-mane
	https://sites.google.com/a/adcet.in/shabnam-tamboli-1
	http://sites.google.com/a/adcet.in/s-s-bidwai/
	http://sites.google.com/a/adcet.in/saylee-bidwai/home
	http://sites.google.com/a/adcet.in/vapatil/
	https://sites.google.com/a/adcet.in/mrs-m-n-chavan/
	https://sites.google.com/a/adcet.in/basavaraj/
	https://sites.google.com/a/adcet.in/maheshmkumbhar_etc/
	http://sites.google.com/a/adcet.in/mr-k-n-patil/
Mechanical	
	http://sites.google.com/a/adcet.in/satish-mullya/ https://sites.google.com/a/adcet.in/harshwardhan-h-patil https://sites.google.com/a/adcet.in/k-i-nargatti/ https://sites.google.com/a/adcet.in/dabholeas/ https://sites.google.com/a/adcet.in/satish-mullya-control-engg/home

--	--

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
4,00,00,000/-	3,31,80,656/-	25,00,000/-	20,95,716/-

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)

http://adcet.in/ADCET/Procedures_and_policies_for_maintaining_and_utilizing_physical_academic_and_support%20facilities.pdf

The Institute ensures optimal allocation and utilization of the available financial resources for maintenance and to upkeep of different facilities by holding regular meetings of various committees constituted for this purpose and using the grants allocated by Institute as per the requirements in the interest of students.

Laboratory- Laboratory maintenance record is maintained by lab assistants and supervised by HODs of the concerned departments. Other measures to maintain laboratories are as follows:

- The calibration, repairing and maintenance of lab equipment are done by the technicians of related owner enterprises.
- The preventive maintenance of the equipment is done before the commencement of each semester, record of maintenance is maintained by lab assistant and supervised by HODs of the concerned departments.
- The laboratory assistant maintains preventive, break-down maintenance register and history card of the equipment in the lab.

- There is systematic disposal of waste of all types.

Library- The requirement and list of books is taken from the concerned departments and HoDs and department library in-charge are involved in the process. The finalized list of required books is duly approved and signed by the Executive Director.

- Every year in the beginning of semester, students and faculties are motivated to register themselves in library to use library facility.
- Suggestion box is installed inside the reading room to take users feedback. Their continuous feedback helps a lot in introducing new ideas regarding library enrichment.
- The proper account of visitors (students and staff) on daily basis is maintained.
- Other issues such as weeding out of old titles, schedule of issue/ return of books etc. are chalked out / resolved by the library committee.
- Daily cleaning of library premises is done by sweepers.
- Copy of eBooks is circulated by librarian through email.
- Notification for making use of e-resources in the library is circulated by librarian on regular basis.

Sports: ADCET has a sport complex offering the facilities such as indoor Badminton/ basket Ball court / TT Courts/ Snooker/ Carom / Board game/Gym/Music Room/Yoga Room etc.

- Sport in-charge circulates the circular for participation in various sport completions and arranges annual sports.
- Cultural teachers send the circular to students and arranges their training and motivates them to participate in different events.
- Cleaning and maintenance of sport facility is carried out on a regular basis.

Computers- ADCET has a Central computer center which procures and maintain computers in the Institute. Computer maintenance is done regularly and non-repairable systems are disposed off.

Classrooms-ADCET has a committee for maintenance and upkeep of infrastructure. At the departmental level, HoDs submit their requirements to the Executive director regarding classroom furniture and other. The Institute development fund is utilized for maintenance and minor repair of furniture and other electrical equipment.

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	EBC	1073	44960119/-
	OBC-Freeship	26	4941410/-
	OBC-Scholarship	320	14207506/-
	SBC-Freeship	26	2224031/-
	SBC-Scholarship	50	4282317/-
	SC-Freeship	95	8827300/-
	SC-Scholarship	176	17484075/-
	ST-Freeship	04	369000/-
	ST-Scholarship	05	506430/-
	VJ-NT-Freeship	80	6775468/-
	VJ-NT-Scholarship	262	22603209/-
	Total	2117	127180865/-
Financial support from other sources			
a) National	--	--	--
b) International	--	--	--

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
CRT Training	14/12/2019	284	APT-Tech, Kolhapur
TCS Specific Training	05/07/2019	100	APT-Tech, Kolhapur
Infosys Training	15/01/2020	140	APT-Tech, Kolhapur
Infosys Specific Training	17/01/2020	140	Skilogic, Sangli
Bridge course	01/07/19	32	ADCET
Personal Counselling	2015-16	787	Counselling Cell ADCET
Stress Management	2/6/19	15	Mr. Lalit Kapil
Signals & Systems	2/06/19	15	Ms. S. S. Tamboli
Programming Laboratory - II	2/6/2019	15	Ms. R. R. Jagtap
Aptitude Training	17/06/2019	800	Apt-Tech
CRT Training	4/12/2019	800	Apt-Tech
PECP	2/7/2019	800	Department Faculties
Bridge courses	12/10/2020	20	ADCET
Bridge Course	16/09/19	9	Department Faculty
Mentoring	08/09/2019	430	Department Faculty
Language Lab	26/08/2019	492	Professional Communication Faculties
Mentoring	26/08/2019	492	27 Faculty members (Mentors)
Personal Counselling	26/8/2019	492	27 Faculty members (Mentors) one personal interaction per semester with mentee

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 by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed

2019-20	Career Guidance Cell	10	20	2	10
---------	----------------------	----	----	---	----

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

Functions of the Grievances Redressal Committee:

- To look into student complaints and judge its merit
- To look into matter of harassment
- Any one genuine grievance may approach the committee members in person or in consultation with the class in-charge
- In case the person is unwilling to appear in self, grievances may be dropped in writing at suggestion box.
- The cases will be attended from promptly in receipt of written grievances from the student. The grievance will act upon those cases which have been forwarded along with necessary documents.
- The grievance cell will assure that the grievance has been properly solved in stipulated time limit provided by the cell.
- The cell formally will review all cases and will prepare statistical report about the number of cases received.
- The committee will give the report to the authority about the cases attended to and no. of pending cases, if any, which require direction & guidance from higher authority.

Student Grievance Redressal Cell at ADCET

Sr. No	Name of Member	Affiliation	Designation
1.	Prof. R. A. Kanai	Executive Director	Chairman
2.	Dr. L. Y. Waghmode	Registrar	Member
3.	Dr. S. P. Chavan	Senior Faculty Member	Member
4.	Prof. S. B. Hivarekar	Dean faculty &	Member

		Student Welfare	
5.	Dr. S. S. Shinde	Ladies Faculty Representative	Member
6.	Mr. Shubham Chougule	Student Representative	Member
7.	Prof. Amol S. Dange	NSS Head,	Member Secretary

Total grievances received	No. of grievances redressed	Average number of days for grievance redressal
04	04	15

5.2 Student Progression

5.2.1 Details of campus placement during the year

On campus			Off campus		
Name of organization visited	Number of students Participated	Number of students placed	Name of organization visited	Number of students Participated	Number of students placed
TCS	60	5	TCS	3	3
Capgemini	60	3	Accenture	1	1
Bharat Forge	52	1	Capgemini	1	1
Ellicium	06	3	BYJUs	1	1
Cognizant	48	2	Scope TNM	2	2
Hexaware	46	1	Emerson Commercial & Res. Soln	1	1
Dhoot Transmission	80	39	PnSoftTech Pvt. Sol.	1	1
Advik HI Tech	16	1	Anand Ele & Consultant	1	1
Infosys	51	1	Shree Tech.	1	1
Wipro	50	2	XI Dynamic	2	2
SLK Global	50	2	Accenture	1	1
DXC	45	5	Byjus	1	1

TCS	34	1	Softcell	1	1
Onix Capital	34	1	Tata Motors, Pune	01	01
Hexaware	34	3	IBM	1	1
Infosys	34	6	Entercoms	1	1
Dhoot Transmission	62	17	Accenture	1	1
Belcan	14	3	TCS	6	6
HightechSoln	12	2	Capgemini	1	1
Byjus	8	1	TCS	2	2
Dhoot Transmission	15	10	Capgemini	1	1
QH Talbors	22	01	DXC Techno.	2	2
Advik Hi tech Soln	22	05	Nitor Infotech	2	2
Jaro	02	01			
SCG Design	18	4			
ACC	25	1			
Infosys	18	1			
Infrasys Techno	2	1			
B.B.Gunjate	1	1			
Shinde Construction	18	5			
DXC Technology	16	1			
Capgemini	48	3			
Teksun	25	7			
Infosys	23	2			
Cognizant	15	4			
Dhoot Transmission	55	35			
Greyatom	17	4			
SLK	12	3			
Dxc Technology	5	2			
TCS	72	4			
Indian Navy	15	0			
Wipro	68	0			
Hexaware	68	0			
Bharat Forge	106	5			
Jaro	102	0			
Acc	106	2			

QH Talbors	35	15			
Aquachill	101	1			
Infosys	106	13			
Cognizant	93	8			
Dhoot Transmission	96	58			
Jsw	20	0			
Advik HI Tech	100	51			
RamkyEnviroEngg.	54	0			
Belcan	67	0			
JW Consultant	56	0			
Dxc Technology	85	1			
DeltaX	82	0			
SLK	105	6			
Gray Atom	12	2			
TCS	36	4			
Capgemini	36	4			
Sankey Solution	60	2			
Coditas	60	1			
Teksun	58	5			
Hexaware	30	2			
Fiserv	20	1			
GreayAtom	50	4			
Infosys	30	1			
Wipro	30	1			
Tech Mahindra	30	4			
SLK Global	30	1			
DXC	45	3			

5.2.2 Student progression to higher education in percentage during the year

Year	Number of students enrolling	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to

	into higher education				
2019-2020	04	Power System	Electrical Engineering	WCE, Sangli	Mtech
		Power System and power Electronics		RajaramBapu Institute of Technology	Mtech
		Control System		WCS,Sangli	Mtech
2019-20	02	Aeronautical Engineering	Aeronautical Engineering	Birla Institute of Technology, Mesra	MTech
				Defence institute of advance technology, Pune	MTech

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	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET	Nil	Nil
SET	Nil	Nil
SLET	Nil	Nil
GATE	Mechanical - 2	ME20S82091043, ME20S82090090

	Electrical-1	EE20S52036052
	Aeronautical-1	AE20S42091006
GMAT	Nil	Nil
CAT	Nil	Nil
GRE	Nil	Nil
TOFEL	Nil	Nil
Civil Services	Nil	Nil
State Government Services	Nil	Nil
Any Other	Nil	Nil

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

Activity	Level	Participants
Discovery2K19	National Level	1422
SNEHA2K19	Institute Level	1658
Sports	Institute Level	1264

5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student
2019-20	Silver Medal	Zonal Sports	Football (Women)	***	2016090949	Awte Omkar Shrikant + Team
	Silver Medal	Zonal Sports	Table-Tennis (Women)	***	19141054	Waghmare Anjali Sanjay + Team
	Silver Medal	Zonal Sports	Table-Tennis (Men)	***	17173033	Gurav Onkar Vijay + Team

	Bronze Medal	Zonal Sports	Cricket (W)	***	2016090984	Suryawanshi Pooja Pandurang + Team
	Bronze Medal	Zonal Sports	Cricket (M)	***	2017104116	Ronge Vishnu Tanaji + Team
	Participation	National	Swimming (Diving)	***	2017104966	Dhadke Sumit Gajanan
	Gold Medal	Zonal Sports	Long Jump (W)	***	17151032	Mali Snehal Shashikant
	Silver Medal	Zonal Sports	Long Jump (W)	***	17151032	Mali Snehal Shashikant
	Participation	National	Cricket	***	2016090984	Suryawanshi Pooja.P
	Participation	National	Volleyball(W)	***	2016092355	.Barudwale Aisha Sikandar
	Second Place	National	Rope Skipping	***	17171008	Chouhan Hemlata K.
	4 th Place	Zonal Sports	Chess(Men)	***	17111071	Chavan Abhishek.B

5.3.2 Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution

DISCIPLINE AND CONDUCT

1. It is understood that student achievement is a direct result of attending and participating in classroom instruction and classroom activities. It is, therefore, a requirement for students to attend all classes/Laboratory on time.

2. Students who come late will not be awarded attendance and may be denied entry to the class.
3. All students shall follow institute dress code, decent and formal dressing along with leather shoes.
4. All students are advised to possess Institute valid Identity Card.
5. Students must read the notices/instruction regularly.
6. Students are not permitted to use mobile phones in any of the academic area (class room, Library, Computer Centre, Examination Halls, etc)
7. Silence shall be maintained in all the academic premises of the college.
8. No student shall enter or leave the classroom/Laboratory when the session is on without the permission of the teacher.
9. Students should keep the class rooms tidy. They should switch off lights and fans when they are not required for saving energy.
10. Use of Internet for the purpose other than academic related activities is banned.
11. Access all educational opportunities and benefits available at the college and make good use of them to prosper academically and develop scientific temper.
12. Students are expected to spend their free time in the Library/Reading Room. They shall not remain along the verandahs or crowd in front of the offices or the Campus roads. Students should refrain from sitting on places such as parapets, Stairs, footpaths etc.
13. Students shall not indulge in activities, which would damage / disfigure Institute's property including books, apparatus, furniture etc.
14. Unauthorized entry of outsiders into the campus as well as hostels is strictly prohibited. Without specific permission of the authorities, students shall not bring outsiders to the College or hostels.
15. Students are prohibited from indulging in anti-institutional, anti-national, anti social, communal, immoral or political expressions and activities within the Campus and hostels.
16. Students are not permitted to undertake any Educational tours or Industrial visits without the prior approval and permission of the Principal.
17. All Educational tours or Industrial visits shall be accompanied by the faculty members after obtaining necessary undertaking from the Parents / Guardian of the students' / Students.
18. Vehicles should be parked in the parking space only. Students are warned that the two wheelers not parked in the parking area will be locked/ seized by the security.

19. Students shall demonstrate respect for all staff and students.
20. Students shall not indulge in any kind of ragging and shall follow the instructions displayed in the campus and hostels under the heading of prevention and prohibition of ragging.

Student Council of ADCET

Sr. No.	Name of student	Nomination Category	Class & Department	Caste
01	Ms. Anjum S. Dhalait	T.E. Topper	B.E. ELE	OBC
02	Ms. Sanchayta S. Nayal	S.E. Topper	T.E. AERO	OPEN
03	Mr. Abhishek A. Surve	F.E. Topper	S.E. MECH	OPEN
04	Mr. Shyamkumar S. Shukla	12 th CET Topper	F.E. MECH	OPEN
05	Mr. Shubham S. Chaugule	Sports Representative	B.E. MAE	NT- B
06	Mr. Vikrant K. Suryavanshi	Cultural Representative	B.E. E&TC	SC
07	Mr. Makarand J. Patil	N.C.C Representative	T.E. CIVIL	OPEN
08	Mr. Pratik P. Chougale	N.S.S. Representative	B.E. AERO	OPEN
09	Ms. Anuja A. Pawar	Principal Nominated Girl	T.E. CSE	OPEN
10	Ms. Sayali S. Shewale	Principal Nominated Girl	T.E. AUTO	NT - B

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes.

Institute has registered Alumni Association named as ADCET Alumni Association, Ashta which is registered at Charity Commissioner, Sangli with registration number Maharashtra/157/15. Following are the objectives of ADCET Alumni Association,

1. To organize Alumni meet of passed out students
2. To organise career guidance seminars for Alumni and students
3. To organise campus drives for students.
4. To felicitate students, alumni, players and other dignitaries on their remarkable achievements
5. To organise camp for preparation of competitive examinations
6. To organise Entrepreneurship development programs for youngsters

7. To publish the news letters for students and alumni
There are 13 members of first executive committee.

5.4.2 – No. of enrolled Alumni: 6437

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

5.4.4 – Meetings/activities organized by Alumni Association:

Alumni Meet 2020:

Alumni meet 2020 was held on Saturday, Saturday 15th February 2020 at ADCET Ashta. Total 90 alumni from various batches were attended this meet. Alumni shown gratitude towards institute for their development. Also, alumni have shown interest in ADCET development.

Activities:

1. Internship Activities

Sr. no.	Name of Industry	Name of Alumni	Department	No. of Students benefitted
1.	OPRA IT SOLUTIONS PUNE	Amruta Kapase (More)	Computer Science and Engineering	25

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)

Decentralization creates a significant impact on policy, planning and effective management of technical education system. Decentralization is seen as a means of improving the efficiency of education system and the quality of educational services.

- The overall steering guidance and vision for the institute is provided by the think tank bodies such as Governing Council, Academic Advisory Council and Internal Quality Assurance Cell. Major decisions on the functioning of the Institution are taken by the Governing Body, whose members are eminent personalities in the Industry and Academia. Academic activities and policy decisions regarding the academic matters are taken by the Academic Advisory Committee (AAC) of the Institutions. Members of the AAC are Executive Director (Chairman), Principal, Vice-Principals, Heads of All Departments, Senior Professors, Expert Members from Industry and Academia.
- The Mission Path to reach the vision is monitored and steered by the Core - Committee consisting of the Director, Deans and Heads of Department, and a weekly meeting of the core committee is scheduled to discuss and deliberate on the Academic Progress.
- The matters at the department academics level monitored by the Department Academic Advisory Committee whose members are the Senior Faculty Members and chaired by the HoD. This gives the faculty an enormous sense of belonging and pride in the institution and this brings out the best in them.
- The Activities related to the Examination are governed and monitored by the Institute Examination Cell and controlled by the Office of the Controller of Examination.
- The matters related Quality Assurance and Strategic Planning to meet the requirements of the Accreditation Bodies like NAAC, NBA and ISO are looked after by the Office of Dean Quality Assurance.

- The Placement and Industry Institute Interactions of the Institute are coordinated by the Office of Dean Industry Institute Interaction and the Dean - Training and Placement and the Team of Placement Coordinators for each of the Department.
- The Administrative activities of the Institute are under the Office of Dean Administration and Dean Faculty and Student Affairs.
- The Activities related to the Research and Consultancy at the Institute are governed and monitored by the Office of Dean Research and Development.

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

Yes/No/Partial: Partial

ADCET has three levels of management, lower, middle and upper. Faculties are the elements of lower management which collects or gets information about the performance of the students in the form of surveys, rubrics, counselling etc. This information is conveyed to the mid-level management involving HOD's, Deans and Director of the ADCET and IQAC. The mid-level management after discussing with upper management consisting of governing body, executive director and a management representative, implements the plans and regulations as per the information received from lower level management. On an example basis the information related to strength and weakness of the outcome based teaching-learning process of the Institute, academic results etc. are discussed at the mid-level in core-committee meeting and are conveyed to upper management so that the strength can be properly utilized and opportunity can be created and weakness found if any can be converted into strength.

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):

❖ Curriculum Development

-Respective departments prepare curriculum for various courses keeping in view the vision of the institute, interest of the stakeholders. Departments call the Board of Studies (BOS) meeting for the suggestion and modification in curriculum. Modified curriculum as per the suggestion given by BOS of departments is presented in front of Academic Council (AC). Academic council scrutinize and approve the proposals with or without modification of the BOS with regard to academic regulations, curriculum, assessment methods, etc., Academic Council approves the modified curriculum and departments prepares the handbooks of curriculum. The Academic audit is conducted to review the curriculum by experts from reputed institutes.

❖ **Teaching and Learning**

-Implementation of outcome based teaching and learning methodology. Use of activity based learning. Recruitment of well qualified and experienced staff as per AICTE norms. Sponsorship to faculty for higher studies and faculty development programmes. Use of modern teaching aids like projectors and interactive boards in the classrooms. Continuous evaluation system for students. Introduction of various professional programs in collaboration with global institutions of repute like NPTEL, MOOC Courses. Emphasis on imparting skills through laboratory experiments and industrial visits / training / tours and various skill development programmes.

❖ **Examination and Evaluation**

-Institute adopted the new methodologies and innovative practices for quality improvement in the examination and evaluation process as an autonomous institute since 2017, few initiatives are listed below,

- Every answer book assessed twice, once by Internal Examiner and External Examiner at the End Semester Examinations (ESE).
- Blended coding and masking with variable pattern used to hide the identity at the time of assessment.
- Contribution of External expert from other premium institutes in paper setting in maintained at 60 % at every end semester examination.
- Result declaration is possible within a week after end of the examinations.
- Even and odd seating arrangement (Every block should contain two categories of students appearing for different courses)

❖ **Library, ICT and Physical Infrastructure / Instrumentation**

- Central Library has eGranthalaya Library Management software. Library provides Online Public Access Catalogue (OPAC) facility for document search. Central Library has well equipped digital library with 48 No. of multimedia PC's with internet connectivity for online services. Library has collection of 9726 e-books from Springer and Elsevier. Library has subscribed Science Direct, ASME, Inventi e-journals. Central Library has Institutional Membership of DELNET and National Digital Library. Library has collection of Multimedia CD's and DVD's including Softech E-learning CDs and Interview Simulation Software. Library provides NPTEL video lecture facility. Library has developed digital database of previous exam question

paper. Library provides Current content and book content service through email to the users. Library has designed a static page to extend e-services.

❖ **Human Resource Management**

The Institute appoints adequate number of qualified faculty through the procedure of open advertisement and interview by internal expert committee. Under the guidance of IQAC and Other Bodies, the Institute organizes various Faculty Development programmes and Training for both teaching and non-teaching staff members for upgrading their skills in the latest technology. The Faculty Members are encouraged to pursue higher education like Ph.D. and the institute provides the Necessary Duty Leaves and supports them. Medical leave provision is given to the faculty and staff members based on the request. On duty is provided for pursuing higher studies, attending FDP courses/seminars/conferences/workshops and exam duties. The faculty and staff members are entitled to avail summer and winter vacations, casual leave and special leave for marriage or any unavoidable circumstances.

❖ **Industry Interaction / Collaboration**

The college establishing Memorandum of Understanding [MoUs] with reputed core industries to enhance Industry Institute Interaction activities like industrial visits, in-plant trainings, internship, value added courses, guest lecturers etc., for the professional development of students and faculties.

The Following are the activities of the Industry Institute Interaction Cell, Establishing / continuing liaison between faculty in the Institute, representatives from the Industries and representatives from organizations involved in the promotion of industrial development in the region through organizing regular group meetings for mutual benefits to both the systems i.e. industry and institute

- Identifying and preparing / updating a list of top executives and technologists from various industries / establishments in the region and working out a system of inviting them to address the faculty and students
- Preparing / updating a comprehensive directory of technology experts in different fields of expertise and knowhow and forging continuing links with them through various means of involvement like talks, guest lectures, research collaboration, students project guidance, seminars etc.

❖ 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.

❖ Research and Development

The undergraduate and postgraduate departments of Institute are well established with few advanced laboratories which are essential to conduct research. The Institute library includes all the reference books along with regular books and sufficient amount of research journals. Currently, Institute has 13 doctorate faculty members and more than 38 faculty members are working on their doctorate research work. In the last two years, Institute could fetch a grant for 7 research projects received from Shivaji University Kolhapur and currently submitted 3 research proposals to SERB and DST under the scheme of Core Research Grant and Young Scientist respectively. Through UG and PG students, in last year more than 25 quality papers have been published. Also, Institute has published 1 patent in last year.

Institute has signed various MoU's with academic and research organizations along with various industries for enhancing the industry interaction with students and faculty and bridge the gap between academia and corporate world. Through consultancy, Institute has fetched consultancy of more than 8 lakh rupees from various industries. Institute has been organizing various events for promoting the research, which includes STTPs, workshops, International Conference which are supported by reputed funding agencies.

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

❖ Planning and Development

- Ion-CUDOS – Outcome Based Education Software ADCET, used an innovative software platform, Ion-CUDOS is designed to address the typical challenges that are faced by the Institute such as, Involving all the faculties in appropriate roles, Faculty time and resources involved in documentation, Non-uniform process practiced in establishing curricula and calculation of attainments at various outcome levels, Inadequacy of mapping between CO and PO, Overwhelming volume of data across batches, and Complex data analysis to isolate problem areas. Mainly focuses on curriculum design enabling faculties to create appropriate lesson plan, frame COs and mapping COs to POs and frame question banks. The curriculum delivery and assessment methods followed by the

institutions will be intact and the software platform is compatible with all the delivery and assessment methods followed by the institutions and generates reports for students' attainment, Course Outcome (CO) attainment, Program Outcome (PO) attainment and Program Education Objective (PEO). IonCUDOS OBE platform helps institutionalizing OBE practices, achieving transparency, optimizing data inputs, standardizing computation of attainments, isolating areas for improvements, trends from large historical data from batches. (The Log In Link for the Platform is: http://172.16.30.251/ioncudos_adcet_tier1/login)

❖ **Administration**

- ERP software is used for maintaining faculty and staff information and salary. Biometric system is installed and is used for faculty attendance.

❖ **Finance and Accounts**

- The college uses the ERP software for E-governance for transparent functioning of Finance and Accounts department of the college. This helps to increase the efficiency of staff towards the accuracy in financial transactions. The college conducts regular audit of annual books of accounts. The administrative office keeps the all financial records separately as per the events and transactions made for. The administrative office maintains the Books of Accounts properly which helps in auditing procedure.

❖ **Student Admission and Support**

- 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. After the admission process, data of students is maintained using office automation. Student's Roll call, benefited certificate, address, leaving certificate, general registration etc. are maintained using the office automation.

❖ **Examination**

-Institute always motivated and supported to its stakeholder for use and implementation of e - Governance in the every of its system. At the examination system also e-governance is implemented with the following aspect,

- Implementation of server-based indigenous ERP software for pre-examination, on-examination, and post-examination activities.

- Google platform based appointment orders issuing, question paper setting and feedback system implemented successfully.
- Android App-based examination result declaration with indigenous self-developed Android application the institute.
- Use of online money transactions to the paper setter and examiners as a part of remuneration paid to them.

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

Computer Science				
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
2019-20	S. S. Mohite	Civil STTP		4,000/-
	Suraj Pawar	ISTE, New Delhi		1180/-
	Amol Dange	CSE STTP		78567/-
	P. D. Kulkarni	IPR		12170/-
	Nikhil Franklin	Aero STTP		20926/-
	Dr. K. V. Kulkarni	Aero STTP		10275/-
	Amol Dange	Conference, Jaypur		15,562/-
	P. D. Kulkarni	WTE Expo, Mumbai		6955/-

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

Total	149635/-
--------------	-----------------

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	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
Automobile					
	Electric and Hybrid technology	--	03 rd to 08 th June 2019	14	--
	Computational Fluid Dynamics – a Practical Approach	--	31 st December 2019 to 04 th January 2020	11	--
Computer Science					
	STTP on “Digital Image Processing”	--	11 th to 15 th Nov 2019	20	---
	Online FDP on “ Docker – For DevOps ”		9 th , 10 th and 11 th May 2020	21	
	Online FDP on “ Design Thinking ”		19 th , 22 nd and 26 th May 2020	21	
	Online FDP on ““Software as a Service”- (SaaS).”		5 th to 7 th June 2020	21	
Electrical					
	“Electrical Panning with Auto CAD”		9-13 Dec 2019	33	

Electronics& Telecommunication					
	Digital Image Processing	--	19 th Aug – 24 th Aug, 2019	09	--
	SCILAB	--	23 rd May – 5 th June, 2020	09	--
Mechanical					
	One day Workshop on Moodle Learning	-	7th September 2019	49	-
Aeronautical					
Civil					
2019-20	Shaping the future of Construction Practices	NIL	23 rd to 28 th December 2019	77	NIL
	A Vision for the future of Structural Engineering	NIL	12 th to 16 th May 2020	98	NIL
	Reveit Architect	NIL	3 JUNE TO 13 JUNE 2019.	85	NIL
Basic Science					
2019-20	National Level Workshop on 'LaTeX'	NIL	5 th & 6 th July 2019	87	NIL
	Webinar series	NIL	12 th to 16 th June 2020	185	NIL

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	Date and Duration (from – to)
Computer Science		
STTP on Digital Image Processing	05	11 th to 15 th Nov 2019
Online FDP on “ Docker – For DevOps ”	17	9 th , 10 th and 11 th May 2020
Online FDP on “ Design Thinking ”	17	19 th , 22 nd and 26 th May 2020
Online FDP on ““Software as a Service”- (SaaS).”	17	5 th to 7 th June 2020
Digital Era of Education	01	11-13 May 2020
Multiprogramming using openMP and CUDA "	03	23 – 27 June 2020
Recent IT Technologies, Writing Papers and Funding Proposals	04	20 - 24 June 2020
Machine Learning	01	25- 29 May 2020
Promotion of innovation IPR entrepreneurship and Startups	01	28 April to 22 May 2020
Linux-Ubuntu Operating System	01	15 -20th April 2020
Online SDP on “Linux”	01	18 – 25 May 2020
National level STTP on PHP and MySQL	02	8 – 12 June 2020
FDP on C and CPP	01	26-Apr-20
FDP on Python 3.4.3	01	26-Apr-20
Linux workshop	01	18-25 May 2020
Industry 4.0, Data Analytics, Disruptive Technologies	02	18-25 May 2020
Research Paper Writing & Intellectual Property Rights	01	18-19 May 2020
Implementation of Advanced Optimization Techniques using MATLAB	01	01 - 06 June 2020
Next Generation Software Tools & Trends for Industrial Solutions: Current Practices	01	13 - 17 June 2020

Enhancing Research and Consultancy Skills	01	22 - 26 June 2020
Effective Use of ICT Tools in Online Teaching	01	22 June - 04 July 2020
One Week Short Term Training program on Implementation of Multi-objective Optimization Algorithm (NSGA -II) using MATLAB	01	29 June-03 July 2020
Java Business Application	01	20 June 2020
Artificial Intelligence	01	5-6-2020
Python for Data Analysis	01	17-19 June 2020
Blockchain Technology	01	5 - 7 June 2020
Fundamental of Object Oriented Programming	01	5-6-2020
Future- Vision : Marriage of AI and Blockchain	02	14 -17 May 2020
Introduction to forensic science and Digital and cyber forensics	01	15 - 19 May 2020
Industry 4.0, Data Analytics, Disruptive Technologies	01	18 to 25 May 2020
Sensor, IoT & Machine Learning	01	1 - 5 June 2020
Cloud Computing using AWS	01	3 - 7 June 2020
Online Course on crypto currency	01	28 April 2020
Fundamental of digital marketing by Google unlocked	01	29-04 to 10-05-2020
Faculty Development Program on “JAVA”	01	17-22 May
Python 3.4.3	02	5-11-2020
NAAC Awareness Programme for Faculty	01	8-14 May, 2020
Big data engineering	01	10 hrs, 01-06 June 2020
Short Term Training Program on PHP and MySQL	01	10 hrs, 08-12 June 2020
Effective Online Teaching Methods	01	07 hrs, 08-14 June 2020
Linux-One week online Faculty development Program	01	26 April - 2 May 2020, 2 Hrs. / day
FDP on Scilab	01	23 May - 05 June 2020

Entreprise Design Thinking Practitioner, IBM	01	25-05-2020
Neural Networks and Deep Learning - 4 weeks, 20 Hrs, Coursera	01	May 2020
Improving Deep Neural Networks Hyperparameter tuning, Regularization and Optimization - 3 weeks, 3-6 hours per week, Coursera	01	May 2020
Structuring Machine Learning Projects - 2 weeks, 3-4 hours/week, Coursera	01	May 2020
Data Visualization Using Python - 8 Hours, IBM	01	May 2020
AWS Cloud Practitioner Essentials	01	25-05-2020
Docker on Udemy - 10 Hrs.	01	May 2020
Electronic and Telecommunication		
Digital Image Processing	09	19 th Aug – 24 th Aug, 2019 (1 Week)
SCILAB	09	23 rd May – 5 th June, 2020 (2 Week)
Problem Solving through C Programming	01	(January to April-2019) 12 Week
Training program on Patent description, claims, drafting	01	02 nd Dec – 06 th Dec, 2019 (1 Week)
Patenting for Innovations	01	25 th May – 29 th May, 2020 (1 Week)
Machine Learning & Deep Learning Hands on Experimentation using Python	02	1 st June – 9 th June, 2020 (1 Week)
Problem Based Learning	01	1 st June – 5 th June, 2020 (1 Week)
Civil Engineering		
<i>Importance of Mathematics in Science and Engineering</i>	05	20 th to 22 th June, 2020
NAAC Assessment and Accreditation	04	21 st & 26 th

		May 2020
Enhancing Research and Consultancy Skills	04	22 nd to 26 th June,2020
Strategies & Challenges in Higher Education	04	15 th to 17 th May, 2020
National Level Workshop on 'LaTeX'	14	5 th & 6 th July 2019
Workshop on Assessment Tools for Undergraduate College Teachers	03	25 th to 26 th June, 2020
Workshop on Assessment Tools for Undergraduate College Teachers	02	25 th to 26 th June,
Fourth International Conference on Advances in Material Science	02	20 th &; 21 st January 2020
Fifth International Conference on Advances in Materials Science	02	6 th & 7 th June, 2020
FDP on 'SCILAB	05	11 th to 15 th May,2020
FDP On Design Thinking	04	19 th ,22 nd and 26 th May, 2020
Stepping Towards Problems and Project Based Learning Academic Excellence	02	09 th to 13 th June, 2020
Electrical Engineering		
LaTex	2	5 th & 6 th July 2019
Generation of Research and Project Ideas and Subsequent Preparation of Manuscripts	6	26 th to 31 st August 2019
Digital Image Processing with MATLAB	3	11 th to 15 th November 2019
Embedded System and internet of thing	2	11 th to 22 nd November 2019
Electric and Hybrid Vehicle Technology	2	03 rd to 08 th June 2019
Introduction of Electromagnetic Theory	01	July- September 2019 (8 week course)

Fundamentals of Electric Drives	01	July- September 2019 (8 week course)
Renewable Energy Sources and Technology : A state of Art	01	23 rd to 27 th September 2019
Hands – on Experimentation on Deep Learning	01	17 th to 22 th June 2019
Introduction to research	1	Aug-Oct 2019 8 Weeks
Fundamentals of Artificial Intelligence	1	Jul-Oct 2019 12 Weeks
Electrical Measurement and Electronic Instruments	1	Jul-Oct 2019 12 Weeks
Basic Electric Circuits	1	Jul-Oct 2019 12 Weeks
Academic Writing	1	Jul-Oct 2019 12 Weeks
Technical English for Engineers	1	Jul-Sept. 2019 8 Weeks
Control Engineering	1	Jul-Oct 2019 12 Weeks
Basic Science		
<i>Importance of Mathematics in Science and Engineering</i>	05	20 th to 22 th June,2020
NAAC Assessment and Accreditation	04	21 st &26 th May 2020
Enhancing Research and Consultancy Skills	04	22 nd to 26 th June,2020
Strategies & Challenges in Higher Education	04	15 th to 17 th May, 2020
National Level Workshop on ‘LaTeX’	14	5 th & 6 th July 2019
Workshop on Assessment Tools for Undergraduate College Teachers	03	25 th to 26 th June, 2020
Workshop on Assessment Tools for Undergraduate College Teachers	02	25 th to 26 th June,
Fourth International	02	20 th &; 21 st

Conference on Advances in Material Science		January 2020
Fifth International Conference on Advances in Materials Science	02	6 th & 7 th June, 2020
FDP on 'SCILAB	05	11 th to 15 th May, 2020
FDP On Design Thinking	04	19 th, 22 nd and 26 th May, 2020
Stepping Towards Problems and Project Based Learning Academic Excellence	02	09 th to 13 th June, 2020
Mechanical Engineering		
Engineering Simulation with ANSYS	41	6 th Jan 2020 to 10 th Jan 2020
Vibration Control Of Rotating Machines	49	8 th June.2020 To 12 th June 2020
Automobile Engineering		
Electric and Hybrid technology	14	03 rd to 08 th June 2019
Modelling and simulation of structural and fluid flow problems	01	08 th to 12 th July 2019
Generation of research and project ideas and subsequent preparation of manuscripts	01	26 th to 31 st August 2019
Digital Image Processing with MATLAB	01	11 th to 05 th November 2019
Computational Fluid Dynamics – a Practical Approach	11	31 st December 2019 to 04 th January 2020
Fuzzy logic & Network Approaches for Engineering Solution	01	29 th to 30 th April 2020
Intro to open foam	01	13 th to 17 th May 2020
3D Printing for Design and Advanced Development – Application	01	6 th to 9 th May 2020

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

Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime
98	81	79	125

6.3.5 Welfare schemes for

Teaching	Medical facility
Non-teaching	Medical facility
Students	Insurance, medical facility, Cash Prizes for toppers of each class

6.4 Financial Management and Resource Mobilization

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

Internal audit is carried out by the internal auditor once in a year appointed by the parent organization i.e. Sant Dnyaneshwar Sanstha, Islampur if required. Audit of all vouchers, receipts, cash book, and ledger of transaction is done by the internal auditor if required. External audit is done by chartered accountant appointed by the parent organization i.e. Sant Dnyaneshwar Sanstha, Islampur. Audit of all vouchers, receipts, cash book, and ledger of transaction is done by the external auditor.

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

Nil

6.4.3 Total corpus fund generated

3000000

6.5 Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	ISO	Yes	Quality Assurance team of Institute
Administrative	Yes	ISO	Yes	Quality Assurance team of Institute

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

- Institute conducts parent-teacher meeting for the newly admitted first year students during the induction program. The discussion on academic activities, student placements and training, library and other resources, infrastructure facilities, counselling cell etc. are discussed. The suggestions from parents if any during the discussion are taken into consideration from overall improvement of the Institute.
- Also, Institute organizes a parent meet every year during even semester for the parents for discussing the progress of the Institute. Improvement in wards performance, quality of academic resources, infrastructure facility, student mentoring etc. are discussed.
- Individual departments are also organizes the parent-teacher meeting based on the requirement.

6.5.3 Development programmes for support staff (at least three)

1. Software Testing, 03 March 2018-CSE
2. Company registration and funding options, 15 Feb. 2019-CSE
3. Maintenance, and record keeping of laboratories-

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

- Applied for NBA accreditation of Civil Engineering, Computer science and Engineering, Electronics and Telecommunication Engineering, Automobile Engineering in December 2016 and above mentioned programs got accredited in March 2017.
- Applied for 2nd cycle of NBA for Mechanical and Electrical engineering UG programs in March 2018.
- Submitted Annual Quality Assurance report for 2016-17, 2017-18.

- Prepared for and received ISO 9001:2015 certification

6.5.5 Internal Quality Assurance System Details

- a. Submission of Data for AISHE portal : Yes
 b. Participation in NIRF : Yes
 c. ISO Certification : Yes
 d. NBA or any other quality audit : Yes

6.5.6 Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from-- ---to-----)	Number of participants
2019-20	Meeting of IQAC	28/09/2019	28/09/2019 to 28/09/2019	25
2019-20	Academic & Administration Audit-Internal	26/07/2019	26/07/2019 to 03/08/2019	14 Process Owner
2019-20	ISO Certification-Audit	26/08/2019,	26/08/2019 to 27/08/2019	14 Process Owner
2019-20	NBA (Compliance) of UG program of Computer Engineering and Civil Engineering	16/02/2020	16/02/2020 to 16/02/2020	Civil Engineering and Computer Engineering stakeholders

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-to)	Participants	
		Female	Male
Seminar on gender equality	08/07/2019	250	300

7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as: Percentage of power requirement of the College met by the renewable energy sources

- Solar street lights.
- Electricity generation using solar energy.

7.1.3 Differently abled (Divyangjan) friendliness

Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities	Yes	01
Provision for lift	Yes	01
Ramp/ Rails	Yes	01
Braille Software/facilities	No	--
Rest Rooms	Yes	01
Scribes for examination	Yes	01
Special skill development for differently abled students	No	--
Any other similar facility	--	--

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 and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
2019-20	1	1	30 th Jan. 2020 (1 Day)	Cleanliness Program under Swatch Bharat Abhiyan	Cleanliness	Students - 100 Faculty - 09

7.1.5 Human Values and Professional Ethics

Code of conduct (handbooks) for various stakeholders

Title	Date of Publication	Follow up (maximum 100 words each)
Rules and Regulations	01/06/2019	https://www.adcet.in/ADCET/rules_regulations1.pdf

7.1.6 Activities conducted for promotion of universal Values and Ethics

Activity	Duration (from-----to-----)	Number of participants
Blood Donation Camp	09/07/2019	272
Street Play on cleanliness	04/10/2019	14
Election Literacy Program and Voting Registration	20/02/2020	500

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

- Tree Plantation
- Solar operated street lights

- Electricity generation using solar energy
- Printouts and photocopies are taken on both sides of paper
- Toner cartridges are recycled
- Wasted papers/Newspapers etc. are forwarded for recycling
- Boards are displayed to promote energy saving awareness
- Lights and fans of class rooms and labs are switched off after the session.
- Departments create awareness amongst staff and students to turn off water taps whenever required.

7.2 Best Practices

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

1. Practicing outcome based education:

Context-Imparting outcome based education is the mission of the Institute.

Practice- Each course coordinator prepares outcome based well-structured lesson plan for all the theory and practical course he/she conducts, scrutinized by HODs and makes it available on the website for student's to access.

2. Continuous Assessment in the laboratory:

Context-Imparting outcome based education is the mission of the Institute.

Practice- Continuous assessment is an important element of the outcome based education. To improve the quality of laboratory work each laboratory course coordinator prepares the outcome based laboratory plan. The rubrics for assessing the skill and attitude of the students are also designed. Each experiment is evaluated during respective practical session based on participation, understanding, timely submission, neatness of report and oral.

3. Student feedback on teaching learning process:

Context-Improving the teaching learning process of the Institute.

Practice- Faculties of ADCET are assessed for their effective teaching methodologies from the student's feedback twice in a semester. This process is online and conducted at each department. The faculty is assessed against well designed Questionnaires in theory subjects and Practical respectively.

4. Bright and Weak Students Initiatives:

Context- A mechanism is designed for improving the performance of weak/slow learner students and superseding the performance of the bright students

Practice-Faculties identify the Bright and Weak Students in the particular course based on the previous semester results or by conducting a pre-requisite MCQ Test for the course and the List is updated after every Internal Examination and the corrective actions are taken accordingly, this process is monitored by the Head of the Department. The corrective actions are in the form of remedial classes or in the form of Assignments, the faculties decide the corrective actions in consultation with the head of the department.

7.3 Institutional Distinctiveness

- ❖ **Industry Consultancy:** [*Mission Element of the Institution: Promoting research to benefit the society*]

The faculty members of the Institute are providing consultancy to the Industries (Sugar Mills, Automobile Industry etc.) in solving the problems such as balancing of rotors, shafts, alignment, vibration condition monitoring, structural audits, Non Destructive Testing, special purpose machines etc. Through this activities the Institute have developed a distinctive brand name among the Industry stakeholders and the faculty members are trained on the real life problems, which in-turn gets disseminated to the students.

- ❖ **Industry Institute-Interaction:** [*Mission Element of the Institution: Strengthening relationship with all stakeholders*]

The Institute is establishing connection with the industries by signing the Memorandum of Understanding [MoU's] 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.

- ❖ **Outcome based teaching and learning:** [*Mission Element of the Institution: Imparting effective outcome based education.*]

The Institute imparts outcome based education in that the Blooms cognitive level is used to address classroom teaching and for improving teaching learning process different pedagogical initiatives such as real world examples, collaborative learning, interactive tools (ICT) tools, and interactive classroom teaching sessions are used.

- ❖ **Training and Soft Skill Development Programs:** [*Mission Element of the Institution: Preparing students through skill oriented courses.*]

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.

8. Future Plans of action for next academic year

- It is proposed to conduct In Semester Examination using the Activity Bases Assessment Methods.
- Proposed to carry out the Academic Audit at the End of Every Semester.
- Proposed the Mission 90 for improving the Paper Publication
- Proposed workshops on ISO-9001:2015, NBA and OBE.
- Proposed to conduct training programs for faculties and staff

Name _____

Name _____

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

_____ *** _____

Abbreviations:

CAS	-	Career Advancement Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution

For Communication with NAAC

The Director

National Assessment and Accreditation Council (NAAC)

(An Autonomous Institution of the University Grants Commission)

P. O. Box. No. 1075, Nagarbhavi

Bengaluru - 560 072

Phone: +91-80-2321 0261/62/63/64/65

Fax: +91-80-2321 0268, 2321 0270

E-mail: director.naac@gmail.com

Website: www.naac.gov.in