Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**RAJGAD DNYANPEETH'S , SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**
Name of the head of the Institution	**Sanjay Bapuso Patil**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**02113-282556**
Mobile no.	**9970397696**
Registered Email	**principal@rajgad.edu.in**
Alternate Email	**sin.rdtc@gmail.com**
Address	**Gat no. 237, Pune- Banglor highway, Dhangwadi, Taluka- Bhor, District- Pune.**
City/Town	**PUNE**
State/UT	**Maharashtra**

Pincode	**412205**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Prof. T. M. Dudhane**
Phone no/Alternate Phone no.	**02113282556**
Mobile no.	**9922341662**
Registered Email	**tmdudhane@yahoo.com**
Alternate Email	**patilsbp@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.rajgad.org.in/NAAC/SSR.pdf

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.rajgad.org.in/NAAC/ACRDTC2019-20.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B++**	**2.97**	**2020**	**08-Jan-2020**	**07-Jan-2025**

6. Date of Establishment of IQAC	**10-Mar-2016**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries

IQAC		
Submission of NAAC Self Study Report	26-Jun-2019 1	20
Organized the IQAC meeting	27-Jun-2019 1	22
Initiative to Purchase High end Computers	29-Jul-2019 1	185
Organized Tech Fest (SPARK-2K19) Competition	20-Sep-2019 2	250
Organized the IQAC meeting	19-Dec-2019 1	22
Mega Event for Placement Activity as Rajgad Rojgar Melava	29-Feb-2020 1	942
Organized Industry Institute Interaction Program in association with Board of Apprenticeship Training (BOAT), Mumbai	26-Feb-2020 1	182
Conduction of Academic and Administrative Audit	30-May-2020 1	68
[View File](#)		

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Nil	Nil	Nil	2020 0	0
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View File](#)
10. Number of IQAC meetings held during the year :	**2**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities	**No**

during the year?

12. Significant contributions made by IQAC during the current year(maximum five bullets)

1. Promotion for 'internship program' to all final year and prefinal year students is initiated under 'Training and Placement Cell' with consultation of industry expertise. 2. To give industry exposure to students and to increase industry interaction individual department sign number of MOUs with the help of 'Training and Placement Cell' 45 industry representative, 52 Institute representatives and 85 students were participated in Industry Institute Interaction Program by Board of Apprenticeship Training, Mumbai. 3. Motivate faculty to enroll for professional development programs such as NPTEL/ FDP/Workshops/ conferences etc. Which helps to enhance professional knowledge of individual faculty and ultimately students get benefited through them.

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

Plan of Action	Achivements/Outcomes
Motivate students to participate in National and International event.	30 students of our institute made the Racing Car participated in Indian Karting championship 2k20 and won second prize in 150cc category also received prize of best emerging team.
Organizing Annual Technical Event as Tech Fest (SPARK-2K19) Competition	In Annual Technical Event SPARK2K19 is conducted along with participation of students from sister Institutes of Rajgad Dnyanpeeth. In this event Various competitions such as Poster presentations, Model Making activities are carried out.
Conduction of Mega Placement Drive	Freshers of Any Degree Graduates from rural area Can Apply this Drive for Pune Satara Location and made opportunity to 995 candidates work with leading 98 industries..
Organizing Industry Institute Interaction Program by Board of Apprenticeship Training (BOAT), Mumbai	To bridge the gap between Industry expectations and student's skills required for their successful career in industry, Institute organized Industry Institute Interaction Program in association with Board of Apprenticeship Training (BOAT), Mumbai. There are 45 industry representative from Pune Satara district, 52 Institute representatives and 85 students interacts with each other understand the NATS Portal.
Conduction of Internal, External Academic & Administrative Audit	Internal and External Academic and Administrative audits are carried out

	by Independent Body of Invited Members.
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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
College Development Committee	**22-Jun-2020**

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

Date of Visit	**29-Nov-2019**

16. Whether institutional data submitted to AISHE:	**Yes**

Year of Submission	**2020**

Date of Submission	**06-Jan-2020**

17. Does the Institution have Management Information System ?	**Yes**

If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**The educational MIS/ERP system, iCloud EMS is a cloud based automation college MIS/ERP system/software which manages the entire administration, campus operations, and academic management in an efficient way. It is targeting primarily the educational ERP markets in India. This MIS/ERP system used from Academic Year 201819. The objective of the ERP Software is to promote Paperless Office Protect the Environment Friendly Campus. ERP software is helping RDTC Campus in many ways. The application helps to streamline all the processes including, administration, Student attendance, Courses, Assignments, Question Bank, Teaching Plans, inventory and facilities management, transport, generating reports like examination, mark sheets and also be very useful for managing the database of the students and coordinating with parents. Modules to be available in the ERP application: 1. Administration 2. Admission Process 3. Fees Collection 4. Attendance Student/ Staff 5. Student Details 6.**

	Examination 7. Bulk SMS and email 8. Report Generation 9. Manage Transportation 10. Parent coordination

<div align="center">Part B</div>

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

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

• As Institute is affiliated to SPPU it follows the curriculum given by SPPU University. • At the start of each semester Principal calls the meeting of all departmental Heads, Academic dean, Cultural secretary, Sports incharge and student representatives to prepare the academic calendar. • The calendar is finalized by Academic dean for the current year and distributed to all departments. • From the Institute's academic calendar, academic coordinator of each department prepares academic calendar for the department under guidance of HOD. • Before preparation of departmental academic calendar and commencement of next semester, choices of the electives are taken from students. • The load distribution is carried out by HOD, based on faculty experience, qualification; number of times subject taught by corresponding faculty. • Also every faculty plans for seminars & workshops they want to conduct during the semester. • The teachers are encouraged to attend FDP, STP, STTP programs for enhancing their skills and knowledge within vacation period organized by various institutes. • Before starting of teaching every faculty member prepares the course file, lesson plans, practical plans, tutorial plans & laboratory manuals. • Course File Contents: 1. Vision & Mission of Department 2. CO and PO 3. Subject Timetable 4. Academic Calendar 5. Syllabus of subject 6. Notes / ppts 7. Question papers 8. Model answers 9. Question bank 10. Result analysis • Deployment of Curriculum: • Time table (master copy, class wise, laboratory wise, individual and for remedial students as per need) is prepared by timetable coordinator of every department. • After finalizing departmental time table by HOD and Principal it is displayed on department's notice board, ERP and Google Apps. • Course file, lab manuals are prepared by faculty before start of every semester and get checked by Academic Monitoring Committee of each department. • Actual delivery of course planning and student attendance for lecture and practical is reported to A. M.C on daily basis by faculty members. • For effective teaching- learning faculty uses ICT tools. • Seminars, workshops and guest lectures, industrial visits are arranged for improving skill set & knowledge of students and also to aware the students about current requirements and demands of industries as well as society. • After one month defaulter list is displayed, parents are informed about the attendance, marks of unit test, online exams, test conducted through SMS/ telephone conversation. • For slow learners extra lectures are arranged as per need, different level assignments are given to students also remedial classes are arranged for those. • For the subject having term work, continuous assessment activity is done by faculty. • Teacher guardian scheme is allotted for 15-20 students. It works in all curriculum and non curriculum aspects solving all issues of the students. • The central and department library provides book facility to students. • The final year students are encouraged for sponsored projects, also they are motivated to do internship. • Feedback is taken form stakeholders regarding curriculum, facilities provided by the institute.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene	Skill Development

		urship	

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Systems in Mechanical Engineering	15/06/2019
BE	Programming and Problem Solving	15/06/2019
BE	Audit Course 1 (Environmental studies 1)	15/06/2019
BE	Engineering Graphics	16/12/2019
BE	Project Based Learning	16/12/2019
BE	Audit Course 2 (Environmental studies 2)	16/12/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Architecture and Town Planning	15/06/2019
BE	TQM & MIS In Civil Engg	15/06/2019
BE	Hydropower Engineering	16/12/2019
BE	Construction Management	16/12/2019
BE	Pervasive and Ubiquitous Computing	15/06/2019
BE	Software Testing and Quality Assurance	15/06/2019
BE	Compilers	16/12/2019
BE	Embedded and Real Time Operating Systems	16/12/2019
BE	Cloud Computing	16/12/2019
BE	Internet of Things	15/06/2019
BE	Electronics Product Design	15/06/2019
BE	Audio Video Engineering	16/12/2019
BE	Wireless Sensor Networks	16/12/2019
BE	Heating Ventilation and Air Conditioning	15/06/2019
BE	Finite Element Analysis	15/06/2019
BE	Automobile Engineering	15/06/2019
BE	Energy Audit and	15/06/2019

		Management	
BE	Industrial Engineering		16/12/2019
BE	Tribology		16/12/2019
BE	Advanced Manufacturing Processes		16/12/2019
BE	Engineering Mathematics-I		15/06/2019
BE	Engineering Physics		15/06/2019
BE	Engineering Chemistry		15/06/2019
BE	Systems in Mechanical Engineering		15/06/2019
BE	Basic Electrical Engineering		15/06/2019
BE	Basic Electronics Engineering		15/06/2019
BE	Programming and Problem Solving		15/06/2019
BE	Engineering Mechanics		15/06/2019
BE	Engineering Graphics		16/12/2019

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

	Certificate	Diploma Course
Number of Students	205	Nil

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
DESIGN AND FABRICATION OF GO-KART VEHICLE.	11/02/2020	30
Programming Languages-I (C and C)	06/01/2020	55
STAAD Pro	04/01/2020	15
Software used for Electronic Product Development Process	31/01/2020	40
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Mechanical Engineering	130
BE	Computer Engineering	9
BE	Civil Engineering	28
BE	Electronics and Telecommunication engineering	56

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	No
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained

For every semester feedback of stake holders (Students, Parents, Faculties and Alumni) is collected with the help of physical questionnaires. 1. Course feedback is taken from the students for the each course in the curriculum. It comprises objective of course, prerequisite, order of the content, volume of content, references etc. Also student's feedback to faculty is taken on the parameters such as punctuality, audibility, use of teaching aids, delivery of contents, skill of teaching, class test conduction, help and guidance etc. Exit survey is also carried out from the final year students of the institute in their last semester. 2. Parent feedback is taken on progress of ward, infrastructural facility, administration, quality of education gained from course and institute, mechanism adapted by institute for communication regarding progress of their wards, faculty mentoring students etc. 3. Faculty feedback is taken on library facility, Infrastructural facilities, Laboratories, Canteen and refreshment facility, leave policy, staff welfare etc. 4. Alumni feedback is taken from alumni students who has attended alumni meet regarding relevance of curriculum, gaps between industry and academia, availability and accessibility of faculty members, infrastructure of the institute, Placement and career guidance provided by the institute, overall quality of engineering programs and institute management. 5. The feedback obtained from all stake holders are being analyzed at department and institute level. Institutional Facilities and Curriculum issues are sorted out. As per the feedback received from various stakeholders regarding institutional facilities an internal review is conducted. An overview of stake holder feedback is discussed in a meeting with management, Principal, HOD's of all departments and committee Heads. In a meeting stake holder opinion and suggestion points are focused for improvement wherever it is required and necessary. 6. Feedback collected from stake holders are communicated to Board of studies (BOS) members of Savitribai Phule Pune University.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Mechanical Engineering	126	10	10
BE	Mechanical Engineering DSE	119	59	59
BE	Computer Engineering FE	63	42	42

BE	Computer Engineering DSE	51	45	45
BE	Civil Engineering FE	63	11	11
BE	Civil Engineering DSE	51	43	43
BE	Electronics and Telecommunication Engineering FE	63	6	6
BE	Electronics and Telecommunication Engineering DSE	65	26	26

[View File](#)

2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	693	Nill	63	Nill	63

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
63	63	6	15	5	7

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

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

All the students get academic and personal guidance from the concerned Mentors, Guardian faculty member and Heads of the Department. Following are the various guidance services (professional counselling / mentoring / academic advice) are provided by the institute. FE induction When new students get admission in First year Engineering course Induction Program is organized to make students aware with Engineering academics and curriculum. Induction program is addressed by Principal where all new students are oriented about institute's infrastructure facilities, teaching learning methodologies, opportunities for participating in curricular and extracurricular activities and training and placement. The department has student counselling cell, which comprises of faculty members as batch counsellors. The batch size is of 20 students. The batch counsellors help to solve problems of the students in academics, career advancement, campus/hostel, personal issues etc. counselling forms are maintained by the mentors, which includes – • Personal Information • Previous Academic Record • Academic Performance • Competitive Examination Details • Details of Internship and Industrial training • Scholarships/awards received • Cocurricular and Extra Curricular activities. • Discussions, progress records. The mentors meet the students periodically/as and when needed and monitor their performance and activities The SWOT analysis of the students is carried out through this psychometric test and the students are made aware of their strengths and weaknesses. The students are also guided on professional and career

advancement. Guardian faculty member do monitoring of attendance and performance of each students six times in a semester and identifies irregular and academically weak students. GFM conducts one to one meeting with such students and motivate them to improve their performance. The progress and observations are conveyed through telephonic conversation.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
693	45	1:15

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
60	63	Nill	8	2

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Prof. S. P. Salunkhe	Assistant Professor	Completion of NPTEL course with Elite certificate, IIT Kharagpur (Structural Analysis-1)
2019	Prof. S. P. Salunkhe	Assistant Professor	Completion of NPTEL course with Elite certificate, IIT Kharagpur (Design of Reinforced Concrete Structure)
2019	Prof. K. R. Suryawanshi	Assistant Professor	Completion of NPTEL course with EliteSilver certificate, IIT Kharagpur
2019	Prof. Dr. S. I. Nipanikar	Associate Professor	Reviewer for international Conference on Innovating Technology for Humanity (IEEE PuneCon 2019)
2019	Prof. Dr. S. I. Nipanikar	Associate Professor	Best Teacher of the Year in Engineering Education
2019	Prof. Dr. S. I. Nipanikar	Associate Professor	Awarded Ph.D. from Veltech Rangarajan Dr. Sagunthala R D

2019	Prof. Dr. S. I. Nipanikar	Associate Professor	Patent Granted in ACI - Water Distribution: Automatic Computerized Intelligent Water Distribution System for Saving Water
2019	Prof. Dr. S. B. Patil	Principal	Member of Advisory Board of International Conference -Equinox 2020
2019	Prof. M. B. Bankar	Assistant Professor	Educational counselor for rural area in recognition of outstanding contribution in education
2020	Prof. Dr. S. I. Nipanikar	Associate Professor	Reviewer for International Conference on Innovation and Recent Trends in Engineering and Science (ICIRTE-20)

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	632461210	8th Semester	03/12/2019	28/01/2020
BE	632419110	8th Semester	03/12/2019	28/01/2020
BE	632424510	8th Semester	03/12/2019	28/01/2020
BE	632437210	8th Semester	03/12/2019	28/01/2020

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Reforms initiated on Continuous Internal Evaluation (CIE) system: The Institute has constituted examinations committee consisting of College Examination Officer (CEO), assistant to CEO and one faculty member from each department. The Institute conducts the following internal examinations as part of continuous evaluation of students. For TE and BE students also two class tests are conducted in a semester and the results are conveyed to the parents by way of SMS. Mock practical orals are also conducted for all SE to BE classes. The term work marks are allocated based on different parameters such as attendance

of student, performance in the internal examinations which includes class tests, mock practical/oral examinations, mock on-line examination, practical performance and file submission and value added courses. Performance of students is assessed continuously during practical performance for regular completion and understanding. The mid semester submission is part of the academic calendar where the submission of assignments is assessed at mid of every semester. At least three reviews for seminar projects are conducted per semester for evaluating the progress of student. The Institute organizes the Central Assessment Program (CAP) for TE and BE In-Semester examinations as per the guidelines of affiliating university. The CAP director arranges for assessment of papers and on-line filling of the marks on university portal.

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

Academic calendar prepared and adhered for conduct of Examinations and other related matters – Institute level academic calendar is prepared by IQAC committee well before the commencement of every semester taking into consideration duration of academic semester, major planned events and public holidays. The institute calendar includes start and end of academic semester, class test weeks, In-semester examination / On-line examination weeks of affiliating university, mock on-line test, mock practical duration weeks, practical and theory examination dates etc. Based on the Institute level calendar, academic coordinator of the department in consultation with the Heads of department and faculty members of the department prepares the department calendar. Various departmental activities such as planned guest lectures, add on courses, augmentation courses, seminars/workshops/conferences, industry visits, faculty development programs, department students association activities, seminar reviews, project reviews and academic semester schedule. The department academic calendar is prepared keeping in view the Institute level academic calendar and the specified dates therein. The academic calendar is prominently displayed on various student notice boards and is strictly followed throughout the semester. It is monitored by IQAC committee, Head of departments and Principal.

2.6 – Student Performance and Learning Outcomes

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

https://www.rajgad.org.in/AQAR/cr2/2.6.1.pdf

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
632461210	BE	Mechanical Engineering	93	90	96.77
632419110	BE	Civil Engineering	51	49	96.07
632424510	BE	Computer Engineering	34	34	100
632437210	BE	Electronics & Telecommunication	40	39	97.5

	Engineering	

	[View File](#)

2.7 – Student Satisfaction Survey

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

https://www.rajgad.org.in/AQAR/cr2/2.7.1.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 organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Students Research Projects (Other than compulsory by the University)	180	Rajgad Dnyanpeeth, Bhor	187500	187500

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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Webinar on Importance of Industry Sponsored Projects	Mechanical Engineering	30/05/2020
Webinar on Importance of GATE, ESE and Opportunities	Mechanical Engineering	29/05/2020
Webinar on Intellectual Property Rights	Electronics and Telecommunication Engineering	25/05/2020
Webinar on Introduction of Embedded Systems and Interfacing	Electronics and Telecommunication Engineering	24/05/2020
Webinar on Gate Awareness- Career Options and Benefits	Electronics and Telecommunication Engineering	22/05/2020
Webinar on 3D Printing and its application	Mechanical Engineering	20/05/2020
Workshop on Software Used for Electronic Product Development Process	Electronics and Telecommunication Engineering	31/01/2020
Workshop on Skill Building in Concrete Technology- Level-2	Civil Engineering	30/01/2020
Webinar on Contribution of Building Chemicals in	Civil Engineering	29/01/2020

Building Performance		
A Seminar on Electric Vehicles Design Challenges	Mechanical Engineering	23/01/2020
A Seminar on Piping Design	Mechanical Engineering	15/05/2020
Workshop on Programming Languages (C and C)	Computer Engineering	06/01/2020
Workshop on Start-up India – Helping hands for budding Engineers	Civil Engineering	28/09/2019
Workshop on Hands on training on developing IoT based applications	Electronics and Telecommunication Engineering	27/09/2019
Workshop on Automated software Testing using Selenium	Computer Engineering	14/09/2019
Seminar on Intellectual Property Rights - Patents	Electronics and Telecommunication Engineering	14/09/2019
Seminar on 'Clean Energy'	Mechanical Engineering	11/09/2019
Seminar on Guidance for Competitive Exam (GATE)	Mechanical Engineering	29/08/2019
Workshop on Skill Building in Concrete Technology Level-1	Civil Engineering	28/08/2019
Seminar on Industrial Automation	Mechanical Engineering	31/07/2019
Seminar on CAD/CAM/ CAE in Industry opportunities in Industrial Sector	Mechanical Engineering	18/07/2019

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Educational Councellor	Prof. M. B. Bankar	Ira Education Society, Sinhgad Road Pune	15/09/2019	National
Member of Advisory Board of International Conference -Equinox 2020	Prof. Dr. S. B. Patil (Principal)	International Conference on Information, Knowledge Research in Engineering, Technology Science (IC-IKR-ETS)-2012, Terna College of Engineering , Mumbai	15/10/2019	International
Reviewer at	Prof. Dr. S.	IEEE Pune	20/12/2019	International

IEEE conference, Punecon 2019, 20 Dec 2019.	I. Nipanikar	section and MIT WPU,Pune		
Session Chair for International Conference	Prof. Dr. S. B. Patil (Principal)	International Conference ICRIET 20, BSCOER, Pune	23/01/2020	International
Reviewer for International Conference	Prof. Dr. S. B. Patil (Principal)	International Conference on Pervasive Computing (ICPC 2020), Sinhgad College of Engineering, Pune	14/02/2020	International
Session Chair for International Conference	Prof. Dr. S. B. Patil (Principal)	International Conference on Pervasive Computing (ICPC 2020), Sinhgad College of Engineering, Pune	11/02/2020	International
Paper Setter of TE ETC, Microcontroller subject May 2020	Prof. T. M. Dudhane	Savitribai Phule Pune University, Pune	07/03/2020	National
Paper Setter of SE ETC, IC Subject	Prof. Dr. S. I. Nipanikar	Savitribai Phule Pune University, Pune	07/03/2020	National
Team Kshatriya Achieved Third Rank in GOKART Car Racing Competition	Kanade Akash (Captain of Team Kshatriya Racing)	Mohite Racing Academy, Kolhapur organized by Nexus Motorsport	07/03/2020	National
Reviewer at International Conference on innovation and recent trends in Engineering and science	Prof. Dr. S. I. Nipanikar	Arvind Gawali College of Engg. Satara	14/03/2020	International
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Incubation Innovation Cell	Anant Incubation Center	Rajgad Dnyanpeeths Bhor	Nill	Nill	Nill

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
9087	0	600

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

Name of the Department	Number of PhD's Awarded
No Data Entered/Not Applicable !!!	

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Mechanical Engineering	1	7.53
International	Computer Engineering	1	7.21
International	Electronic and Telecommunication Engineering	2	Nill

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

Department	Number of Publication
Electronic Telecommunication Engineering	2

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Convolutional neural networks for leaf image-based plant disease classification	Dr. Sanjay B. Patil	IAES International Journal of Artificial Intelligence (IJ-AI)	2019	12	Shri. Chattrapati Shivajiraje College of Engineering, Bhor, Pune, India	12
Soybean leaf disease detection and severity m	Dr. Sanjay B. Patil	International Journal of Electrical and Computer E	2019	4	Shri. Chattrapati Shivajiraje College of Engineering,	4

easurement using multiclass SVM and KNN classifier		ngineering			Bhor, Pune, India	
Design and Implementation of Extended 16 Bit Co-Operative Arithmetic and Logic Unit (CALU) for 16 Bit Instructions	Prof. Tanaji M. Dudhane	Journal of Low Power Electronics	2019	1	Sathyabama Institute of Science and Technology, Chennai, India	1
Numerical study of one-dimensional buffered advection-diffusion of calcium and IP 3 in a hepatocyte cell	Prof. Yogita Jagtap	Network Modeling Analysis in Health Informatics and Bioinformatics	2019	1	Sardar Vallabhbhai National Institute of Technology, Ichchhanath Surat, Gujarat 395007, India	Nill
Identification of plant diseases using convolutional neural networks	Dr. Sanjay B. Patil	International Journal of Information Technology	2020	8	Shri. Chattrapati Shivajiraje College of Engineering, Bhor, Pune, India	9
Architectural Enhancement of Processor with 8 Bit Multiplier and 16 Bit Co-operative ALU using VHDL	Prof. Tanaji M. Dudhane	International Journal of Emerging Trends in Engineering Research	2020	1	Sathyabama Institute of Science and Technology, Chennai, India	Nill
Enhancement of features of 8 bit	Prof. Tanaji M. Dudhane	International Journal on Emerging T	2020	1	Sathyabama Institute of Science	1

Title of the Paper	Name of Author	Title of journal	Year of publication		Institutional affiliation as mentioned in the publication
risc processor by implementing 8 bit shift/add multiplier		echnologie s			and Techno logy, Chennai, India
Estimating Calorific Value of Biodiesel Using Free Fatty Acid Chemical Composition	Prof. Sumod K. Pawar	International Journal of Mechanical and Production Engineering Research and Development	2020	1	JSPM Rajarshi shahu college of engineering , Tathawade	Nill
Predictive Diagnostic Approach for Vehicle Transmission Clutch Using Fuzzy Logic and Bayesian Algorithm	Dr. Sanjay B. Patil	TEST Engineering and Management	2020	1	Shri. Chattrapati Shivajiraje College of Engineering, Bhor, Pune, India	Nill
Machine Learning Approach for Identification and Recognition of Rice Leaf Diseases:A Survey	Dr. Sanjay B. Patil	TEST Engineering and Management	2020	1	Shri. Chattrapati Shivajiraje College of Engineering, Bhor, Pune, India	Nill
[View File](#)						

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Convolutional neural networks for leaf image-based plant disease classificati	Dr. Sanjay B. Patil	IAES International Journal of Artificial Intelligence (IJ-AI)	2019	4	12	Shri. Chattrapati Shivajiraje College of Engineering, Bhor, Pune, India

on						
Soybean leaf disease detection and severity measurement using multiclass SVM and KNN classifier	Dr. Sanjay B. Patil	International Journal of Electrical and Computer Engineering	2019	4	4	Shri. Chattrapati Shivajiraje College of Engineering, Bhor, Pune, India
Design and Implementation of Extended 16 Bit Co-Operative Arithmetic and Logic Unit (CALU) for 16 Bit Instructions	Prof. Tanaji M. Dudhane	Journal of Low Power Electronics	2019	1	1	Sathyabama Institute of Science and Technology, Chennai, India
Numerical study of one-dimensional buffered advection-diffusion of calcium and IP 3 in a hepatocyte cell	Prof. Yogita Jagtap	Network Modeling Analysis in Health Informatics and Bioinformatics	2019	1	Nill	Sardar Vallabhbhai National Institute of Technology, Ichchhanath Surat, Gujarat 395007, India
Identification of plant diseases using convolutional neural networks	Dr. Sanjay B. Patil	International Journal of Information Technology	2020	4	6	Shri. Chattrapati Shivajiraje College of Engineering, Bhor, Pune, India
Architectural Enhancement of Processor with 8 Bit Multiplier and 16 Bit Co-	Prof. Tanaji M. Dudhane	International Journal of Emerging Trends in Engineering Research	2020	1	Nill	Sathyabama Institute of Science and Technology, Chennai, India

operative ALU using VHDL						
Enhancement of features of 8 bit risc processor by implementing 8 bit shift/add multiplier	Prof. Tanaji M. Dudhane	International Journal on Emerging Technologies	2020	1	1	Sathyabama Institute of Science and Technology, Chennai, India
Estimating Calorific Value of Biodiesel Using Free Fatty Acid Chemical Composition	Prof. Sumod K. Pawar	International Journal of Mechanical and Production Engineering Research and Development	2020	Nill	Nill	JSPM Rajarshi shahu college of engineering , Tathawade
Predictive Diagnostic Approach for Vehicle Transmission Clutch Using Fuzzy Logic and Bayesian Algorithm	Dr. Sanjay B. Patil	TEST Engineering and Management	2020	4	Nill	Shri. Chattrapati Shivajiraje College of Engineering, Bhor, Pune, India
Machine Learning Approach for Identification and Recognition of Rice Leaf Diseases:A Survey	Dr. Sanjay B. Patil	TEST Engineering and Management	2020	4	Nill	Shri. Chattrapati Shivajiraje College of Engineering, Bhor, Pune, India
[View File](#)						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	7	190	Nill	4
Presented papers	3	Nill	Nill	Nill

| Resource persons | 5 | Nill | Nill | Nill |

View File

3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Lecture on Importance of Yoga, Meditation and Traking	NSS Unit RDs SCSCOE, Dhangawadi Grampanchyat Dhangawadi	7	56
Karate Training and Book Binding at Govt. Public School Dhangawadi	NSS Unit RDs SCSCOE, Dhangawadi Grampanchyat Dhangawadi	7	56
Tree Maintenance	NSS Unit RDs SCSCOE, Dhangawadi Grampanchyat Dhangawadi	7	56
Lecture on Agricultural Technology	NSS Unit RDs SCSCOE, Dhangawadi Grampanchyat Dhangawadi	7	56
Swachhata Abhiyan at Dhangawadi Village	NSS Unit RDs SCSCOE, Dhangawadi Grampanchyat Dhangawadi	7	56
Lecture on Constitution of India	NSS Unit RDs SCSCOE, Dhangawadi Grampanchyat Dhangawadi	7	56
Gram Swachhata Abhiyan at Adbalnath Temple	NSS Unit RDs SCSCOE, Dhangawadi Grampanchyat Dhangawadi	7	56
Book Exhibition	Library, RDs SCSCOE, Dhangawadi	9	450
Yoga and Health	Internal Complaints Committee , RDs SCSCOE, Dhangawadi	7	46
Tree Plantation Program	NSS Unit RDs SCSCOE, Dhangawadi	7	49

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

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited

Blood Donation Camp	Appreciation Certificate	Red Plus Blood Bank, Pune	110	
NSS Special Camp	Appreciation Letter	Dhanagawadi Grampanchyat, Tal- Bhor, Dist- Pune	56	
[View File](#)				

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Health Awareness	NSS Unit RDs SCSCOE, Dhangawadi Grampanchyat Dhangawadi	Lecture on Importance of Yoga, Meditation and Traking	7	56
Social Awareness	NSS Unit RDs SCSCOE, Dhangawadi Grampanchyat Dhangawadi	Karate Training and Book Binding at Govt. Public School Dhangawadi	7	56
Save Environment Campaign	NSS Unit RDs SCSCOE, Dhangawadi Grampanchyat Dhangawadi	Tree Maintenance	7	56
Social Awareness	NSS Unit RDs SCSCOE, Dhangawadi Grampanchyat Dhangawadi	Lecture on Agricultural Technology	7	56
Save Environment Campaign	NSS Unit RDs SCSCOE, Dhangawadi Grampanchyat Dhangawadi	Swachhata Abhiyan at Dhangawadi Village	7	56
Lecture on Constitution of India	NSS Unit RDs SCSCOE, Dhangawadi Grampanchyat Dhangawadi	Lecture on Constitution of India	7	56
Save Environment Campaign	NSS Unit RDs SCSCOE, Dhangawadi Grampanchyat Dhangawadi	Gram Swachhata Abhiyan at Adbalnath Temple	7	56
Social Awareness	Library, RDs SCSCOE, Dhangawadi	Book Exhibition	9	450
Health Awareness	Internal Complaints	Yoga and Health	7	46

Save Environment Campaign	NSS Unit RDs SCSCOE, Dhangawadi	Tree Plantation Program	7	49

[View File](#)

3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Project Work	4	Central power and research center, Khadakwasla,Pune	365
Project Work	4	Central power and research center, Khadakwasla,Pune	365
Project Work	4	Siddhaerh Solar Technergies,Bhosari, Pune	365
Project Work	4	Thermax Chinchwad,Pune	180
Project Work	4	Thermax Chinchwad,Pune	365
Project Work	4	Pune Renewable Energy system, Bhosari, Pune	180
Project Work	4	SEMCO, Talawade,Pune	180
Project Work	4	Digitech Controls and System, Shivane,Pune	365
Project Work	4	Universal Construction Machinery and Equipment, Kotharud Pune	60
Project Work	4	Rawat Brothers Furniture Ltd. Tal-Bhor,pune	165

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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant

Sharing research facility	Industrial visit for subject understanding	Hot Mix plant, Kapurhol, Bhor, Mr. S. S. Sonvane-9 850102112	12/10/2019	12/10/2019	45/01
Sharing research facility	Industrial visit for subject understanding	Metrologic cal Station At post Kenjal, Tal-Bhor, Dist-Pune Mr. Sudhir Newase, Contact No-9 850934871	15/10/2019	15/10/2019	47/01
Sharing research facility	Industrial visit for subject understanding	Welded Plate Girder of for bridge Sarole Bridge, Pune-Banglore Highwy, Tal-Bhor, Dist-Pune.	15/10/2019	15/10/2019	34/02
Sharing research facility	Industrial visit for subject understanding	Rajgad Sugar Factory, Nigade Mr.Ajay Mulik, Assit Engineer, Mobile No.-9 834235034	15/10/2019	15/10/2019	36/02
Sharing research facility	Industrial visit for subject understanding	Rajgad Sugar Factory, Nigade Mr.Ajay Mulik, Assit Engineer, Mobile No.-9 834235034	15/10/2019	15/10/2019	34/02
Sharing research facility	Industrial visit for subject understanding	Dhom Hydropower Plan At Post Kanher, Tal-Wai , Dist-Satara Mr.Bhujbal Sir, Deputy Engineer, Mobile No.-9 422608490.	16/10/2019	16/10/2019	48/02

Sharing research facility	Industrial visit for subject understanding	Bhaktti Shaktti Flyover,Pimpri Chinchwad, Pune. Mr. Amol Garad-Sr. Engineer-9049004231	25/10/2019	25/10/2019	46/01
Sharing research facility	Industrial visit for subject understanding	International Exhibition on Construction Machinery, Materials, Methods Project Constro-2020 Contact no:982350857	18/01/2020	18/01/2020	76/04
Sharing research facility	Industrial visit for subject understanding	Wasantdada sugar institute Manjari,pune	31/01/2020	31/01/2020	45/02
Sharing research facility	Industrial visit for subject understanding	delight Auto Industries at ratanagiri,	19/02/2020	22/02/2020	37/03

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Rubicon Skill Development Private limited, Pune	03/01/2020	Workshop	199
CADCAM Guru Solution Pvt Ltd, Erandwane Karve Road, Pune-411004 Contact no:02025469637	01/01/2020	Seminar	58
Udyog Utkarsha Samajik Sanstha, -Skill Development Self Employment Training Institute Dhom Puvarvasan, post-Ozarde, TAL:Wai, Dist:Satara-412803	22/08/2019	Workshop	111

Rajvimal Group, above W.S. Bakers Zeal College Road, Narhe, Pune-411041	20/08/2019	Webinar	122
VCB Electronics pvt ltd, Khed Shivapur, Tal:Haweli,Dist:Pune-412205	24/06/2019	Internship	2

View File

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
16.17	31.73

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
AutoLib- NG	Fully	AutoLib- NG	2015

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	3751	1505808	Nill	Nill	3751	1505808
Reference Books	5820	2542752	Nill	Nill	5820	2542752
e-Books	9000	32000	Nill	Nill	9000	32000
e-	5000	48240	Nill	Nill	5000	48240

Journals					
Journals	218	373749	Nill	Nill	218	373749
Digital Database	1	11500	1	13570	2	25070
CD & Video	932	44400	Nill	Nill	932	44400
Library Automation	1	65500	Nill	Nill	1	65500
Weeding (hard & soft)	Nill	Nill	Nill	Nill	Nill	Nill
Others(s pecify)	3	6800	Nill	Nill	3	6800

View File

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Mr. B. P. Tapare	Matrices	Screen Cast O Matic Tool	24/09/2019
Mr. B. P. Tapare	Formal Logic in Discrete Mathematics	Screen Cast O Matic Tool	28/09/2019
Mr. B. P. Tapare	Contrapositive in Discrete Mathematics	Screen Cast O Matic Tool	03/09/2019
Mr. B. P. Tapare	Laws of Interference in Discrete Mathematics	Screen Cast O Matic Tool	05/09/2019
Mr. B. P. Tapare	Predicates in Discrete Mathematics	Screen Cast O Matic Tool	13/09/2019
Ms. S. P. Salunkhe	Structural Analysis II Flexibility Method	Documentation Presentation Tools	20/10/2019
Mr. N. D. Bagul	Theory of Machines II Cam Profile	Video Recording System	04/12/2019
Mr. A. K. Jamdade	Heat Transfer Pool Boiling Curve	Video Recording System	28/12/2019
Mr. R. M. Golde	Metrology Quality Control Demings 14 Points	Video Recording System	28/12/2019
Mr. L. M. Mhaskepatil	Strength of Materials Buckling of Columns	Video Recording System	28/12/2019

View File

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	369	15	369	1	1	1	4	60	0
Added	0	0	0	0	0	0	0	0	0
Total	369	15	369	1	1	1	4	60	0

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

60 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Recording Facility	https://youtu.be/cndKJQ_qeJQ
Recording Facility	https://youtu.be/-Na2lwIi9XI
Recording Facility	https://youtu.be/lBvOYKE5KK0
Recording Facility	https://youtu.be/AHEeGLpfVXM
Recording Facility	https://youtu.be/vCfzpsVA5m8
Recording Facility	https://youtube.com/channel/UCnlb98n8cTHbXvecrRxtvxA
e-content NPTEL	Nill
Recording Facility	https://youtu.be/IcAulau8qFq
Recording Facility	https://youtu.be/rHd-6hIlYEA

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 facilites
8	6.2	8.9	6.9

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

Maintenance of each infrastructure plays major role in proper functioning of the institute. The institute has maintenance, housekeeping and Write-off committee for the maintenance of all physical, academic, and support facility. A. Maintenance: 1. Laboratories: Before commencement of every semester maintenance of all experimental setup, equipments, electric supply etc. is carried out to avoid failure of equipment or facility. Calibration of instruments is carried out as per the standards and guidelines provided on it. Every lab in charge maintains the register of maintenance and calibration. Apart from this, routine maintenance like cleaning, lubrication, tightening of nut-bolts, replacement of consumables etc. is carried out to ensure proper

functioning of laboratory equipments. An established policy is maintained under the administration of principal and management for maintenance and write-off of the equipment or facility in case of damage or not working properly. 2. Computer and I T facility: Maintenance work of computers, IT facility, software installations and networking is done in-house by system admin and lab assistant. Anti-virus software is installed on all computers. For the major issues the work is outsourced. 3. Library: College Library holds collection of books above 14,000 and has subscription of printed Journals/Technical magazines of national and international repute. The stacking arrangement of books is maintained in particular order. And accordingly, respective guide list is maintained displaying category of book and location which ensures easy access of required books. 'Stock Verification Process' using 'Bar Code Technology' Library management software is conducted yearly during Non-Academic period. Library management software (AutoLib) is updated before the expiry date. The old copies of periodicals are bound together on every semester. Torn books are rebounded after inspection. 4. Sports ground and facilities: The institute has a well maintained ground for outdoor games. Maintenance of ground is carried out by grass cutting, rolling, leveling, watering etc whenever required. The maintenance or write off of the consumable sport material is done as per policies. Institute is surrounded with well maintained Landscaping and Vegetation Garden, to ensure pollution free and healthy campus environment. 5. Classrooms: Classrooms are architecturally designed with adequate light and fan points to ensure a comfortable learning environment. ICT classrooms are designed for effective teaching learning process. 6. Other maintenance: The institute has central facilities like elevator, water filter and coolers, Diesel generator set, Transformer, photo copy machine, fire extinguisher system etc. The repair and maintenance of all is carried out periodically. The authorized external agencies are called wherever required. Regular cleaning and sanitizing of corridor, staircase, latrine etc. is carried out by housekeeping. B. Utilization: The students, who are admitted in the institute, are provided with various institutional facilities such as laboratories classrooms, computers, sports, Gymnasium. All the facilities are utilized regularly by the students. The Institute has adequate No. of computers with internet connection and utilized by all stakeholders. All departments, office and staff have LAN facility. The other support facility like sports Gymnasium are utilized by students for regular practice and competitions.

https://www.rajgad.org.in/AQAR/cr4/4.4.2.pdf

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	Anant Nirmal Scholarship	211	4060897
Financial Support from Other Sources			
a) National	Government Schemes	815	24943578
b)International	Nil	Nill	0
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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	Date of implemetation	Number of students	Agencies involved

enhancement scheme		enrolled	
Career Counseling	20/05/2020	84	3D Printing Its Applications By Mr.Vagish Sharma Senior Head at Learn to Act Advisory Pvt.Ltd Delhi.
Bridge Courses	11/02/2020	30	Design and Fabrication of GO-KART Vehicle
Career Counseling	23/01/2020	57	Electric Vehicles Design Challenges By Mr.Anand Thakar From CAD CAM GURU Solutions Pvt.Ltd.
Career Counseling	15/01/2020	56	Piping Design Engineering Construction By Mr.Pramod Deshmukh From Asian Academy Of Professional Training
Soft Skill Development	06/01/2020	195	Rubicon Skill Development Private Limited, Pune
Bridge Courses	27/09/2019	32	Hands On Training On developing IOT based applications.By Mr.Sujit R.Sakhare From Spark Minda Technical Centre.
Career Counseling	11/09/2019	59	Clean Energy By Mr. Sudhir .R.Shaha from PCRA's Ministry Of Petroleum Natural Gas Government Of India, Mumbai
Guidance for Competitive Examinations (GATE Exam)	29/08/2019	110	Mr. Amol A Doiphode
Yoga and Meditation	13/08/2019	46	Yoga Session By Yog Guru Mr. Mrs.Devi and Team Proof Lagad Mrs.Bhelake
Career Counseling	31/07/2019	80	Industrial Automation By Mr.Mubin Shaikh from P.S.Protee Solutions Pune.

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	Training Placements	110	Nill	Nill	Nill
2020	Training & Placements	886	149	1	2

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
1	1	9

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
Ascent Technologies, Xnesa Solution, Dhruva Automation Controls Pvt. Ltd. etc	202	66	Max Mobility Pvt. Ltd., Softlink Technology, Accenture etc.	53	32

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	1	Bachler of Engineering	Mechanical Engineering	Bharati Vidyapeeths Institutes of Management Studies and Research, Mumbai	Master Of Management Studies
2020	1	Bachler of	Civil	G H	Master of

Engineering	Engineering	Raisoni University, Amravati	Technology

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	1

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

Activity	Level	Number of Participants
Rajgad Karandak 2k20	State	260
Mudra (Annual Gathering)	Institute	211
Ganesh Festival	Institute	230
Dahihandi	Institute	220
Carrom	Institute	76
Chess	Institute	30
Cricket (Boys)	Institute	99
Cricket (Girls)	Institute	36
Kabaddi	Institute	58
Anant Mahostav 2k20 – 1. Vollyball	Institute	90

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						

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

Under the provision of section 40(2)(b) of the Maharashtra university act,1994 there shall be a student council for each affiliated college consisting of student members along with faculty. The student council is formed in the institute every year for the participation of the students in the various areas like academics, administrative bodies to enhance teamwork and leadership qualities. This council provides best platform to all students to express their opinions about the institution and recommends their suggestions as per their expectations. Many curricular or extracurricular activities are organized by this council for the students. The academic topper students from each class are the members of this council. A committee consists of a Chairperson, General Secretary, Sports secretary, Ladies representative and cultural secretary. Notice displayed to invite applications from the interested students and

scrutinised on the basis of the academic merit, performance and followed by personal interviews. The role of the newly selected secretaries is to organize various activities related to academics, sports, cultural such as annual gathering 'Anant Mahostav', Project competition, dance competition like Rajgad Karandak. Student representative from various committees ensures the participation of maximum students in all activities. This system works effectively to maintain transparency in the overall working of institution. Anti-ragging Committee: It is the supervisory and advisory committee for ragging free environment. Academic Monitoring Committee: It maintains an effective diagnostic approach towards all learners. It addresses the subject wise weakness of students. Internal Complaint Committee: It helps to provide the moral support to students to raise their grievances. It provides transparent process. Grievance redresses committee: It solves the issues raised by students by taking meetings and provides proper solutions. IQAC: Students are actively participated in this cell and gives input to for all quality matters to initiate plan and supervise various activities. College Development Committee: Students are actively participated in this cell and gives strategic inputs for quality enhancement. OBC Cell: Students in this cell are actively participating to resolve all the affairs and problems related to OBC students of the college. Mess and Canteen committee: The student members of this committee monitor and control the menu, hygiene and quality of the food in canteen for students. Sports and Gymkhana Committee: Students from this committee make awareness about sports by organizing various indoor, outdoor games and ensuring proper machines in gymkhana. Student welfare and discipline committee: It's all about the awareness of rights and responsibilities of the students. Technical event committee: To plan and arrange technical event to provide platform for technical harvest. Extracurricular activities: To plan and conduct extracurricular activities like volunteer work and community services. Publications and Magazine Committee: This committee ensures the publications of various research papers and magazines by students. Library Committee: The volunteer invites books, journals and magazines list and make it available for students to enhance the experience of learning. Alumni Committee: The members from this committee arrange alumni meet of highly successful alumni. It helps to interact with regular students with the institute alumni.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The institute has formed 'Rajgad Dnyanpeeth's Technical Campus Alumni Association' (RDTCAA) in the year of 2015. Under this the first alumni meet was organized on 23rd March 2015. RDTCAA of the institute was registered with Assistant registrar of the society, Pune region Pune. (Registration No. Maharashtra/189/2018/Pune) as per Maharashtra Government rules. The mission of the Alumni Association of RDTC Pune is to reach, engage and serve all alumni, present students by networking with one another to nurture a lifelong emotional and intellectual connection between the institute and its graduates. It supports the formal graduates who will in turn help to raise the profile of the institution. Following are some main objectives of the RDTCAA. 1. To encourage and inspire Alumni to contribute their valuable time, talent and financial support for institute and students. 2. To enable the highly successful and committed alumni to inspire the students to achieve the best in their professional career. 3. To work delicately in the association for the benefit of the institute. 4. To provide job opportunities for present and past students. 5.To provide a strong means to strengthen the relationship among the faculties, students and alumni. 6. To encourage the alumni to stay associated and to serve as promoters for the institute. 7. To engage in incorporating the educational wealth to the entire down trodden students to improve their

professional and personal life standards. 8. To take efforts and direction for educational and cultural development. 9. To organize different social programs and to orient the past students about the new trend in education.10. Establishing the Memorandum of understanding (MoU) between institution and alumni entrepreneur. Following are some functions of the RDTCAA: 1. To register the alumni organization formally. 2. To ensure the registration of all outgoing students in Alumni Association. 3. Extend all assistance and co-operation for the growth in academics and research to the institution. 4. Maintain Alumni database. 5. Establish Alumni chapters at the identified locations. 6. Organize meetings and sessions of the Alumni with current students. 7. Maintain year wise audit report. 8. Maintain the minutes of meetings. 9. Development of the institution through the financial help/gifts like pump accessories, vehicles, engines, project models, sensors, laptop, books, website development, etc. which in turn can be utilized for the development of lab, infrastructure and students. 10. The non-financial contribution of the alumni association are: 1. Suggestions and support to Training and Placement Cell. 2. To enhance teaching learning process through Expert/Guest lectures. 3. Interaction with students in the areas of Career planning and Career awareness. 4. Participation in IQAC cell to set targets in the academic process. 5. Getting feedback from alumni to improve the quality of the alumni. 6. Support in conduction of the Industrial visits in their organization. 7. Guidance to students for Project work, project competition and latest technology.

5.4.2 – No. of enrolled Alumni:

625

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

433698

5.4.4 – Meetings/activities organized by Alumni Association :

In the academic year 2019-20 the alumni association of institution SCSCOE has organized one alumni meet. The meeting of alumni association members along with invited alumni was conducted on 18th Feb 2020 on the occasion of " Anant Mahotsav". The meet was attended by 110 members out of total 625 enrolled alumni in SCSCOE. Mr. Sunil Paranjape and Mr. Vikas Patil was the guest for event.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

The institution has a practice of participative management. The college provides the better opportunity to the stakeholders in the decision making process. The college administrative and academic structure is in a manner to make the decision by participative arrangement. Principal is the administrative and academic Head, followed by department heads. The departments are encouraged to arrange various activities with the support of Management for the benefit of Students and Faculty. The Committees are formed in the College, as per the directives of the Governing Body, playing an important role in various institutional functions. These committees responsibly work towards proper conduction of all activities. Following are two practices mentioned as an example. Practice 1 Internal Complaints Committee (ICC): Shri Chhatrapati Shivajiraje College of Engineering is committed to providing safe academic and working environment to all students and its women employees. As per the guidelines of Supreme Court, UGC, Sexual Harassment of Women at Workplace (Prevention, Prohibition Redressal) Act, 2013, an Internal Complaints Committee

has been established by the College from the year 2013. The Cell is responsible for looking into any complaints filed by students and staff about Woman Grievances at the college. Internal Complaints Committee will examine all matters relating to women in the workplace and will make suggestions and proposals to the institute administration regarding such matters. The committee will arrange programs on Women's Day and at other times, as is deemed necessary. Practice 2 Examination Committee: Examination committee is functional under the Chief Examination Officer (CEO). This committee comprises teaching staff from all department and support staff of exam section as a member. Examination committee takes a necessary step as per the notification received regarding various university examination. Examination committee bridges the gap between institution and university examination section. Committee headed by a college examination officer. College Examination Officer work as a media between institute and university examination section. College examination officer appoint necessary staff as per guidelines provided by university to conduct various university examination with consultation of dean administration and head of institute. College examination officer and respective appointed staff are responsible for smooth functioning of university exams as per guidelines provided by university. Examination cell accept the grievance from the students and staff too regarding issues related university examination, if any. Examination cell communicate issues and queries related to university examination activity with the university section through authenticated platform and try to resolve on timely basis. Examination cell take effort in updating and sharing exam related notification starting from filling of exam form of student, conducting exams to the online marks entry of student, result of students etc.

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

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Admission of Students	1. According to institutional one of the best practices "Reach to Unreached" the college has formed groups of teachers and allotted to visit to different villages for propagation and extension of importance of higher education in rural areas. 2. The team of teachers visits to the allotted village and conducts corner meetings with parents, students and the villagers to encourage and motivate rural talent towards higher education 3. The Media Publicity committee ensures to organize different functions like Best Poem, Best Photo, and Best Painting to publicize the institute during admission process. 4. Promotion and implementation of trust's Anant Nirmal scholarship for eligible students. 5. SC/ST/OBC Cell creates awareness among SC/ST students regarding various scholarship programs of state and central government. 6. Seminars for HSC students are organized

	in the college to motivate the students towards technical education 6. Provision of online fees payment while admission.
Curriculum Development	1. For effective delivery of curriculum, higher authorities and senior faculty plays a vital role in preparing and executing academic calendar of all activities to be conducted in Institute. 2. To bridge away the Curriculum-Industry gap, expert lectures, technical and non-technical add on programs are effectively imparted by institute, thereby nurtures the overall growth of students 3. Faculty contribution in Syllabus Implementation Workshop of various subject. 4. Participation in national level events such as Gokart, Hackathon etc. by students, 5. Organizing industrial visit for application understanding related to curriculum. 6. The institute motivates students to participate in co-curricular and extracurricular activities. It also provides platform by organizing workshops, seminars, conferences, project competitions, sports and national festival celebration 7. Parents are informed about the attendance, marks of unit test, online exams and test conducted.
Teaching and Learning	1. Use of ICT tools such as google class room, google meet, Zoom app NPTEL certification courses, 2. Teaching in institution is carried out with use of PPTs, interactive board teaching, giving analogies and Group Discussion. 3 Analysis of students is carried out after one month of the commencement of teaching on the basis of the class test-I results, slow learners and advanced learners are identified for every subjects., 4. For slow learners, remedial classes are organized to encourage them. 5. Advanced learners are motivated to participate in technical competitions like Avishkar, Hackathon, Hybrid car design etc. 6.Use of smart class room, 7. Institute uses various innovative teaching learning processes like e-resources, quiz and different technical events to groom the skills of students, 8. Exposure to industry applications by participating in industrial visits.
Examination and Evaluation	1. Evaluation is carried out by use

		of direct and indirect tools. Direct tools include unit tests, assignments, practical, online examinations, In-sem and End sem examinations. 2. Indirect Tools includes course survey, discussions, quiz competitions etc 3. Continuous evaluation is one of important aspect in evaluation. Grievances if any are addressed at department level by HOD and at college level by principal 4. Mock Practical oral examinations are carried out to boost confidence of student in university practical examination. 5. Institute conducts term end examination at the end of semester. This examination is useful for students to get idea about questions asked in university examinations 6. Conduction of University In sem Examination followed by discussion on specimen solution, 7. In case of reevaluation of obtained marks the photocopy of answer sheet is reviewed by subject teacher.
Research and Development	1. The institute organizes various workshops, guest lectures, conferences for enlightening the research environment 2. Institute work towards improvement in research domain and acquire grants from funding agencies like AICTE, DST, University etc. 3. Institute has started research and development cell (R D Cell), chaired by the principal, industry member and senior faculty. 4. More than 300 research journal papers have been published in last five years. 5. Institue has got Best Emerging Technical Institute Award -2019 by Dr. P. V. Pawar research and innovation center, Nashik. 6. Institute has also established Institution Innovation Cell (IIC) as per guide lines of AICTE, New Delhi and MHRD. 7. Target of research publications in high impact factor national and international journals 8. Provision of funds to faculties for attending workshops, seminars, conferences etc.
Library, ICT and Physical Infrastructure / Instrumentation	1. Library 1. The institute has completely automated with Auto Lib-NG Software as Integrated Library Management System (ILMS). 2. Separate reading section is available for students and teachers. 3. There is a separate E-Library section for e-recourses. It has a subscription for e-

	journals, e-books, National Digital Library and various memberships like British library, Jaykar library. 2. ICT: 1. Video lecture preparation by faculty for critical part of syllabus and its sharing with students. 2. Google Apps for sharing teaching material, Google Form for online student's feedback, ERP for education management and planning, bulk SMS service for communication with student, parent and faculties 3.NPTEL Certificate courses for staff and students. 3. Physical Infrastructure: 1. Enhanced utilization of CCTV system for smooth functioning of activities in overall campus, 2. Campus is equipped with Wi-Fi facility with 20 Wi-Fi access point 3.The academic facilities such as laboratories classrooms, computers, sports, Gymnasium are made available for students.
Human Resource Management	1. Organization of Faculty Empowerment programs such as FDP, workshops, seminars for teaching nonteaching staff. 2. Provision of funds to faculties for attending workshops, seminars, conferences etc. 3. Encouragement to staff for completing NPTEL online certification courses. 4. Use of biometric attendance of all staff for record keeping. 5. Institute conduct events to maintain environment sustainability such as Tree plantation, Swachha Bharat Abhiyan and World environment day etc.
Industry Interaction / Collaboration	1. Visit to industry for achieving enhanced outcome in the form of industrial visit for students, placement, Industry sponsored B.E. project, use of research facility, Industry Sponsored Internships etc. 2. Organizing Guest Lecture by industry person for reducing the gap between the Industry (current technology) and Academics, 3. Signing and executing MoU with various industries for outcomes such as, final year projects, Technology Transfer etc. 4.Focus on increasing the placements in core companies. 5. Institute has also established Institution Innovation Cell (IIC) as per guide lines of AICTE, New Delhi and MHRD to promote entrepreneurship through Industry Institute Interaction.

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

E-governace area	Details
Planning and Development	1. Auto Lib NG- Akash Infotech Library Management Software, 2. ERP- Cloud Next Vision Software/Moodle portal, 3. Language lab 4. DELNET- Developing Library Network 5. A committee comprising of faculty members and administrative staff are involved in the planning and implementation, academic audit and evaluation.
Administration	1. Google Form for online student's feedback, 2. ERP for education management and planning, 3. Bulk SMS service for communication with student, parent and faculties. 4. CCTV System for smooth functioning of overall campus.5. Bio Metric Attendance System for staff, 6. Internal Landline System- Digital Technologies 7. Institute Website. 8. We use digital social networking apps like WhatsApp and Gmail to achieve faster and more seamless communication with our students. Every class has their own WhatsApp group.
Finance and Accounts	1. Tally, 2. Central bank of India, Sarole branch college account for Online Payment of Admission, Hostel and Transport fees by students.
Student Admission and Support	1. ERP- Cloud Next Vision Software/Moodle portal 2.Online admission form provision on institute website. 3. Media Publicity, Wall Magazine Branding Committee publicize the institute during admission process.
Examination	1. ERP- Cloud Next Vision Software for conducting mock Online Exams. 2. Google forms are used to conduct online unit test and prelim exams. 3. Google classroom is used to provide previous year university question papers to students in order to understand exam pattern.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2020	Mr.Mangesh B. Bankar	Workshop on Stakeholders Workshop for	All India Council Technical	2277

		Approval Process 2020-21 conducted by AICTE,western Regional Office,Mumbai on 10/02/2020.	Education.	
2019	Dr.Sanjay N.Nipanikar	State Level Workshop on NBA ACCREDITATION- An Outcome based Approach conducted by IQAC Dhole Patil College of Engineering, Pune on 28/12/2019.	Dhole Patil College of Engineering, Pune	800
2019	Mr.Mangesh B. Bankar	State Level Workshop on NBA ACCREDITATION- An Outcome based Approach conducted by IQAC Dhole Patil College of Engineering, Pune on 28/12/2019.	Dhole Patil College of Engineering, Pune	700
2019	Mr.Kiran R.Suryawanshi	State Level Workshop on NBA ACCREDITATION- An Outcome based Approach conducted by IQAC Dhole Patil College of Engineering, Pune on 28/12/2019.	Dhole Patil College of Engineering, Pune	500
2019	Mrs.Gitanjali B.Yadav	State Level Workshop on NBA ACCREDITATION- An Outcome based Approach conducted by IQAC Dhole Patil College of Engineering, Pune on 28/12/2019.	Dhole Patil College of Engineering,Pune	620
2019	Mr. Chetan S.Gaikwad	One week STTP on Best Practices forOutcome based	Sinhgad Technical Education Societys Smt.Kashibai	1390

		Education(OBE) conducted by Sinhgad Technical Education Societys Smt.Kashibai Navale College of Engineering , Vadgoan Bk.,Pune on 19/12/2019 to 24/12/2019.	Navale College of Engineering, Pune.		
2019	Mr.Sumod K.Pawar	One week STTP on Best Practices for Outcome Based Education(OBE)conducted by Sinhgad Technical Education Societys Smt.Kashibai Navale College of Engineering,	Sinhgad Technical Education Societys Smt.Kashibai Navale College of Engineering, Pune.	2000
2019	Mr.Himkar R. kondagurla	Seminar on Traditional to Vitual Changing Dynamics of Library Informations Services conducted by The Maharashtra Cosmopolitan Education Sociaty Azam Camp Pune on 07/09/2019.	The Maharashtra Cosmopolitan Education Sociaty.	300
2019	Mr.Ashok A.Avhad.	Workshop on Effective Teaching Mehodology of Audit Course-I (Environmental studies-I) conducted by Pimpri Chinchwad College of Engineering, Pune on 24/08/2019.	Pimpri Chinchwad College of Engineering, Pune.	500
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6.3.2 – Number of professional development / administrative training programmes organized by the College for

teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2020	Webinar on "Intell ectual Property Rights – Patents"	Nil	25/05/2020	25/05/2020	47	Nill
2020	Webinar on "Introd uction of Embedded Systems and Interf acing"	Nil	24/05/2020	24/05/2020	22	Nill
2020	Webinar on "Effective Research Writing Skill and Publicatio n"	Nil	22/05/2020	22/05/2020	56	Nill
2020	Webinar on "3D- Printing its Applic ations"	Nil	20/05/2020	20/05/2020	84	Nill
2020	Three days FDP on "Android and web ap plication developmen t"	Nil	12/05/2020	14/05/2020	7	Nill
2020	One day Industry institute interactio n program	Nil	26/02/2020	26/02/2020	97	Nill
2020	Three days workshop on "Software Used for Electronic Product De	Nil	31/01/2020	02/02/2020	6	Nill

					46	Nill
	velopment Process					
2020	One day FDP on "Ethical Values"	One day FDP on "Ethical Values"	31/01/2020	31/01/2020	46	Nill
2019	One day workshop on "Preparation of SET, NET GATE"	Nil	18/10/2019	18/10/2019	20	Nill
2019	Workshop on "start-up India – helping hands for budding engineers"	Nil	28/09/2019	28/09/2019	37	Nill
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
FDP on "Effective Online Teaching Methods" Dr. N.G.P. INSTITUE OF TECHNOLOGY	1	08/06/2020	14/06/2020	6
One Week National Level Faculty Development Program on "Futuristic technologies in Mechanical Industries"	1	05/06/2020	09/06/2020	5
FDP on Recent Advances in Civil Engineering organized by VJTI Mumbai.	1	02/06/2020	07/06/2020	7
workshop on "Corrosion and its Control"	1	02/06/2020	04/06/2020	3
FDP on Multidisciplinary approach	1	01/06/2020	05/06/2020	5

towards emerging trends in Science and humanities Ramchandra college of engineering Eluru				
FDP on Engineering educaqtion the industry: A post Covid-19 perspective orgainzed by RGIT.	1	01/06/2020	05/06/2020	5
FDP on Multid isciplinary approach towards emerging trends in Science and humanities Ramchandra college of engineering Eluru	1	01/06/2020	05/06/2020	5
Three day online Workshop on, "Education 4.0-Season II ", IQAC, Atharava College of Engineering, Malad,	1	28/05/2020	30/05/2020	3
Three day online Workshop on, "Education 4.0-Season II ", IQAC, Atharava College of Engineering, Malad,	1	28/05/2020	30/05/2020	3
AICTE- ISTE sponsored self financing online short term training program on "Outcome Based Education and Accreditation"	1	26/05/2020	30/05/2020	5
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
57	11	68	11

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Financial assistance in academic development of faculty, Special leave for wedding of staff, Compensatory off, Detention leave, Official leave for doing Research, Bus facility, Staff quarters facility, Fixed leaves as per norms, Medical leaves and facility, Maternity leaves, Appreciations, Employee Provident Fund (EPF), RO Purified water facility, Wi-Fi enabled campus, Reprographic facilities and general store on campus, cafeteria, ATM facility, Dedicated vehicles for medical emergencies, Campus security services, CCTVs at strategic locations, Fire and safety precautions, Lift system for differently abled (Divyang),Tea and refreshment breaks.	Financial assistance in academic development of faculty, Special leave for wedding of staff, Bus facility, Staff quarters facility, fixed leaves as per norms, Medical leaves and facility, Maternity leaves,Employee Provident Fund (EPF), RO Purified water facility. Wi-Fi enabled campus. Reprographic facilities general store on campus, cafeteria, ATM facility, Dedicated vehicles for medical emergencies, campus security services, CCTVs at strategic locations, Fire and safety precautions, Lift system for differently abled (Divyang),Tea and refreshment breaks, Uniforms and maintenance.	Bus facility at reasonable cost, Fees waiver to financially weaker and eligible students, Online fees payment option provided on institute website for facilitating fees payment, Fees payment available in installments, ATM facility, Flexible library timings, Operating NSS unit for self development of students through participation in social activities, Lift system for differently abled (Divyang), Dedicated vehicles for medical emergencies, Campus security services, Fire and safety precautions, CCTVs at strategic location.

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 officials deputed from Rajgad Dnyanpeeth Trust office periodically and the reports are obtained before to conduct of the external audit which is normally done after the closure of the accounts in all respects. The internal audit of the Institution for first term is carried out on 10th October 2019 and for the second term 18th April 2020 (financial year 2019-20). During the Internal Audit, the internal auditor checks receipts with fee receipts, Bank details, cash in hands, cash flow, payment of suppliers, salary statement, payments with vouchers and necessary supporting documents. Also ensures that all payments are duly authorized. Subsequently, the external audit is carried out by V. A. Dudhedia Company, Pune. The external auditor conducts statutory audit at the end of every financial year. The external audit is conducted on 8th April 2021 (financial year 2019-20). The final audit reports with audit findings are submitted to the Management. The consolidation of the findings of the Institutions with Trust office has been completed and the annual returns have been submitted to Income tax Authorities concerned.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
1. RDS SCSCOE, 2. SPPU, Pune	1085457	Conduction of –Annual function 'Rajgad Karandak 2K20', Technical event, Project Competition, Go-kart activities, Entrepreneurship activities, NSS Activities and special camp,
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6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	AT College, Bhor	Yes	IQAC
Administrative	Yes	AT College, Bhor	Yes	IQAC

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

Activity 1: As suggested in parent teacher meet, to improve 'communication and employability skill' three days workshop was arranged under training and placement cell in association with 'Rubikon Skill Development Private Ltd, Pune' for all final year and pre-final year student. Activity 2: As per suggestion by parents, expert session was arranged on 'Opportunities in Infrastructure Construction Management' for all civil engineering students. Activity 3: Expert session was arranged on 'Gate awareness - career options benefits' to all final and pre-final year engineering student as per suggestions received by parent.

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

1. One day workshop was arranged by ETC engineering department to all supporting staff/ lab assistants, Duration: 15/02/2020 to 15/02/2020, Resource person: Mr. T. M. Dudhane , Prof. Head of ETC Engineering department, the objective was to provide guidelines for effective ways to maintain laboratory details. 2. Expert session was arranged by IQAC cell for office staff dated on 18/01/2020, Resource person Dr. S. I. Nipanikar, Professor, ETC Engineering department, objective of session was to provide smart methods to prepare maintain office records for NBA accreditation. 3. Full day workshop was organized by computer engineering department, duration 20/09/2019 to 20/09/2019, Resource person: Mr. K. R. Pathak, Asst. Prof., Computer engineering department. Objective of this workshop was to increase computer literacy of supporting staff.

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

Regular meeting of Internal Quality Assurance Cell (IQAC) timely submission of Annual Quality Assurance Report (AQAR) to NAAC Feedback collected, analysed and used for improvements. 2. Submitted Institute Data for Atal Ranking of Institutions on Innovation Achievements (ARIIA) - 2020-21. 3. Promoting NPTEL certificate courses for faculties: To have better command on subject, faculties are promoted to complete the NPTEL online course of their respective subject expertise 4. Project Competition Conduction: For enhancing research activities. 5. Conduction of Industrial visits.

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Submission of NAAC Self Study Report	22/06/2019	22/06/2019	22/06/2019	20
2019	Organized the IQAC meeting	27/06/2019	27/06/2019	27/06/2019	22
2019	Innitiative to Purchace High end Computers	27/06/2019	30/04/2019	30/04/2019	185
2019	Organized Tech Fest (SPARK-2K19) Compitition	27/06/2019	20/09/2019	21/09/2019	250
2019	Organized the IQAC meeting	19/12/2019	19/12/2019	19/12/2019	22
2020	Mega Event for Placement Activity as Rajgad Rojgar Melava	19/12/2019	29/02/2020	29/02/2020	1000
2020	Organized Industry Institute Interaction Program by Board of App renticeship Training (BOAT), Mumbai	19/12/2019	26/02/2020	26/02/2020	182

2020	Conduction of Academic and Administrative Audit	19/12/2019	30/05/2020	30/05/2020	68
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
International YOGA Day	13/08/2019	13/08/2019	22	35
Dahi-Handi Celebration	27/08/2019	27/08/2019	150	250
Blood Donation	10/01/2020	10/01/2020	35	75
Celebration of Marathi Bhasha DIn	03/02/2020	03/02/2020	18	26
Celebration of Shivjayanti Ustav	19/02/2020	19/02/2020	220	350
Swachta Abhiyaan Program	27/02/2020	27/02/2020	200	336

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

Percentage of power requirement of the University met by the renewable energy sources
58

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	2
Ramp/Rails	Yes	2
Braille Software/facilities	No	Nill
Rest Rooms	Yes	2
Scribes for examination	Yes	Nill
Any other similar facility	No	Nill

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address	Number of initiatives taken to	Date	Duration	Name of initiative	Issues addressed	Number of participating students

	locational advantages and disadvantages	engage with and contribute to local community					and staff
2019	1	1	17/06/2019	365	Reuse and decomposition of E waste management	E waste management	350
2019	1	1	17/06/2019	45	Facilitation center	Helping student for admission process	385
2019	1	1	17/06/2019	300	Transport Facility	Pollution free campus	225
2019	1	1	18/06/2019	365	Organic waste management system	Garbage management	150
2019	1	1	16/07/2019	1	Tree plantation	Go Green campus	54
2019	1	1	13/08/2019	1	Yoga and meditation session	Health awareness	53
2020	1	1	03/02/2020	1	Swacchat aabhiyaan	Social activity	236
2020	1	1	10/02/2020	1	Blood donation campaign	Save life	110
2020	1	1	17/02/2020	2	Me Udyojak	Entrepreneurship development	60
2020	1	1	19/02/2020	1	Bike rally for helmet awareness	Social cause	95
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Teacher	14/02/2020	1. Faculties of the institution adhere to their responsibilities as referred in code of

			conduct by reporting to the concerned authorities. 2. Faculties are involved in preparation of experimental setup and upgrade laboratory. 3. Faculties are publishing research papers in reputed International, National Journals that are listed in Web of Science, Scopus and UGC. Patents are also published by faculties and students. 4.Many Faculties are active member of professional bodies like ISTE ,IEEE etc.
Student	14/02/2020	1. Students abide to all the rules and regulation framed by the Institute. 2. Students wear college uniform on specific days/occasions as instructed by college authorities. 3. Students wear college identity card in the Institute campus and/or while representing the institute. 4. Student regularly read the notices. 5. Student communicates with Guardian Faculty/Class Teacher if he/she wants to remain absent due to certain reason(s). 6. None of our Student participates in any political or antisocial activity. 7. Students help to keep college premises neat, clean and tidy by organizing various activities.
Parent	14/02/2020	1. Parents are aware about the performance of their ward throughout the semester. 2. Parents attend the Parent teacher meet arranged by the Institution in every semester. 3. Parents communicate with

		office/admin department regarding administrative activities related to the student. 4.Parents of students residing in hostel communicate regularly with hostel warden regarding behavior of their ward.
Alumni	18/02/2020	1. Institution organizes Alumni meet of Alumni association RDTC and invites the members to recall the memories. Every year around 100 alumni attend the Alumni Meet. 2.A provision is made for giving scholarship to selected deserving students by Alumni Association 3. Alumni provide information related to their achievements in their respective fields. 4.Alumni are invited to conduct expert lectures, seminars, workshops 5. Alumni are invited as a judge for assessment during technical competitions and a guest for induction program. 6. Social networking media like Facebook, WhatsApp and LinkedIn are used to communicate effectively with the alumni. 7. Email notifications are sent to alumni on regular basis.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Playing national anthem daily at 10:05 am	17/06/2019	31/05/2020	450
International yoga day celebration	21/06/2019	21/06/2019	79
Independence day celebration	15/08/2019	15/08/2019	230
Teachers Day celebration	05/09/2019	05/09/2019	80
Engineers day celebration	15/09/2019	15/09/2019	172

Republic day celebration	26/01/2020	26/01/2020	240
Reading motivational day celebration	27/02/2020	27/02/2020	190
International women's day celebration	06/03/2020	06/03/2020	90

View File

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

1. Rain water harvesting
2. Bio gas Plant for food waste management
3. Tree Plantation
4. Students and Staff using Public Transport
5. Green landscaping with trees and plants
6. Pedestrian friendly roads
7. Plastic-free campus

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1: 1. Title of the practice : Reach to Unreached 2. Objective of the practice : • To attract and retain rural area students in higher education. • To empower and shape the rural and backward masses by providing higher education. • To investigate the condition of socially and economically backward classes. • To acquaint difficulties and barriers of rural and backward communities regarding higher education. • To increase the enrollment to higher education and find out possible remedies. 3. Context: The students from rural area are needed to be informed and guided for higher education and career. 4. The practice: Knowledgeable and well informed staff team visit to schools, Junior colleges and villages to make them understand the importance of higher education. Staff motivates students towards higher education. Staff informs the students about various options of higher education and careers. Staff also informs the procedures and guidelines regarding various higher education courses. 5. The process: a) The head of the institute appoints staff and assign the work of this practice. b) Three to Four teams are formed containing five members in each team. c) Letters are sent to Schools, Colleges and grampanchayats for granting permission to guide students regarding higher education and career guidance. d) After getting permission from school, college or grampanchayat. e) Our team reaches to the schools with prior appointment and our staff informs and motivates students about the importance of higher education, various options available and career options. 6. Evidence of success: a) Visit of our staff in villages, schools and colleges at places Bhor, Shirval, Khandala, and Wai. b) Some of the Students are enrolled in our institute for higher technical education. 7. Problems Encountered: Waiting period for the permission by school, college and Grampanchayat sarpanch. 8. Notes : This Practice was fruitful and efficient to make them understand the importance of the higher education to rural peoples. Our staff sorted out various confusions in the mind of parents of the students regarding higher education. The enrollment of students from SC, ST, OBC, NT, SBC and specially women have increased notably in college. The awareness about higher education has increased in the students as well as in parents. 2. Best Practices 2 1. Title of the Practice: Project Competition 2. Objectives of the Practice: To

enhance technical skill and professional skill among students. To stimulate students and researcher to work on exciting project To understand best practices and demonstration of diverse project, new innovations, etc. To provide networking opportunity with industries that can help create breakthroughs To relate the functioning of industry while working on project and understand how does industry function. 3. Context: Providing platform for students to show their technical skill and creativity. 4. The Practice: The proposed Technical Project Competition is recommended for students from Electronics and Telecommunication, Computer Engineering, Mechanical Engineering, Civil Engineering and Allied Engineering Branches. They are allowed to express their technical knowledge and creativity through their project presentation by exhibiting their ideas, innovations, developments while working on a specific project to solve real world problems / industry specific problems. 5. Process: a) Project coordinator of the department announces project competition date and rules through notice and register student or group for competition. b) Any single student or groups of student of the department can Participates in the competition. c) All the participants interested in competition submit their names with project coordinator of the department. d) Three judges are appointed by the head of the institute. Judge can be any senior faculty from other college. Appointment orders are issued to respective persons by institute. e) Projects are displayed by the participants on the exhibition date. f) Participants present their project in front of three judges. g) Based on common conclusion and judgment by judges, three projects are awarded as winner rank 1, rank 2 and rank 3. 6. Evidence of Success: Total 35 Projects are being presented by student groups of our institute in project competition held in A.Y. 2019-20. The participants groups were from all branches Mechanical, civil, E Tc and Computer Engineering. Student Group from mechanical department has participated GO-Kart competition held at Kolhapur on 9/3/2020 and stood rank 4th. 7 Problems Encountered: Mismatch of schedule of resource persons. 8 Notes : Institute has always been motivating students to participate in national competitions to enhance their technical and professional skill and providing financial assistance. In Academic Year 2019-20, Institute has provided financial assistance of Rs. 1, 50,000 (One Lac fifty thousand rupees) to the student group who has participated in GO-KART competition held in Kolhapur.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://www.rajgad.org.in/AQAR/cr7/7.2.1.pdf

7.3 – Institutional Distinctiveness

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

Anant-Nirmal Scholarship Rajgad Dnyanpeeth Technical Campus, Shri Chhatrapati Shivajiraje College of Engineering is established in the academic year 2009-10 by Shri. Anantrao Thopate (Ex. Education Minister – Maharashtra State) In order to achieve excellence of students in the field of science and technology. We have vision of becoming excellent technical institute in education, training and research. Our founder president shri.anantrao Thopte had always vision of providing higher education to rural area students. Our institute is placed in rural area at Dhangawadi, Pune-satara road (NH-4), Bhor. So many of the rural students can take the benefit of higher technical education study nearby them and feel convenient in many ways. Students enrolling in our institute from rural area are coming from weaker section in terms of annual income. They are not affording higher education fees. The Honorable secretary of the Rajgad Dnyanpeeth, Bhor Dr. Mrs. Bhagyashri Sandeep Patil on behalf of Founder president, executive president and trustees of Rajgad Dnyanpeeth sanctioned

Anant-Nirmal Scholarship Scheme on 12/7/2013 in response to the request letter by the institute head. The scheme is implemented with effect from A.Y. 2013-14 and till date. This Scholarship scheme offer financial assistance by concessions in their fees. Concession in the fees of the students is decided by management committee based on following criterion. 1. The admission of applicant in the institute must be through centralized admission process of Government of Maharashtra. 2. Applicant must produce income certificate of his/her family as per eligibility norms of the government of Maharashtra for all types of scholarships. 3. Scholarship will be continued only after satisfactory performance of student. 4. All rights of awarding or continuation of scholarship will remain with management. 5. Application must reach to the society office before commencement of first semester of the same academic year. In academic year 2019-20, total 211 students have got the benefit of Anant-Nirmal Scholarship Scheme by wavier in their fees. In A.Y. 2019-20 Institute has given concession of total amount Rs.4062391 (Rs. Forty Lacs sixty two thousands three hundred ninety one) to economically weaker students. This is truly best distinctiveness of institute by providing financial assistance through Anant-Nirmal Scholarship to poor and needy students in rural and hilly area. In Similar way, institute has given scholarship to all eligible students in each academic year since from 2013-14. Thousands of students has benefited by this scholarship scheme.

Provide the weblink of the institution
https://www.rajgad.org.in/AQAR/cr7/7.3.1.pdf

8.Future Plans of Actions for Next Academic Year

Rajgad Dnyanpeeth, Shree Chhatrapati Shivajiraje College of Engineering (SCSCOE) is established, in 2009, under the visionary leadership of Mr. Anantrao Thopte, Ex. Education minister of Maharashtra state, with objective of providing quality education to needy and economically weaker sections of rural and hilly area. Vision of the Institute is to become excellent institution for education, training and research in engineering. To fulfil the vision, SCSCOE is working with the following plan of action. 1) Increase linkages with Multinational companies and reputed educational Institutes. 2) Establishing Centres of Excellence in key technology areas like VLSI and Embedded, Artificial Intelligence, Computer Security, Robotics and Automation in order to bridge the gap between industry and academia, as the pace of technological development of industry is very fast and students need to be equipped with the latest technologies in order to secure good jobs. 3) Obtain Permanent Affiliation with Savitribai Phule Pune University (SPPU) as a first step towards full autonomy. 4) Institute has obtained NAAC accreditation with B grade in January, 2020 and is valid for five years. The institute is planning to apply for NBA accreditation. 5) Once NBA accreditation is obtained, the institute plans to add two more branches in an advanced areas like Data science, Artificial Intelligence and Robotics.