



YEARLY STATUS REPORT - 2021-2022

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 its own campus?	Yes
• Phone no./Alternate phone no.	02113282556
• Mobile No:	9970397696
• Registered e-mail	principal@rajgad.edu.in
• Alternate e-mail	scscoe@gmail.com
• Address	Gat no. 237, Pune- Banglor highway, Dhangwadi, Taluka- Bhor, District: Pune.
• City/Town	Pune
• State/UT	Maharashtra
• Pin Code	412205
2.Institutional status	
• Affiliated / Constitution Colleges	Affiliated
• Type of Institution	Co-education
• Location	Rural

• Financial Status	Self-financing				
• Name of the Affiliating University	Savitribai Phule Pune University, Pune.				
• Name of the IQAC Coordinator	Prof. T. M. Dudhane				
• Phone No.	02113282556				
• Alternate phone No.	7058074645				
• Mobile	9922341662				
• IQAC e-mail address	tmdudhane@yahoo.com				
• Alternate e-mail address	principal@rajgad.edu.in				
3. Website address (Web link of the AQAR (Previous Academic Year))	https://www.rajgad.edu.in/pdf/AQAR_Report_2020-21.pdf				
4. Whether Academic Calendar prepared during the year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://rajgad.edu.in/assets/Institute AC 2021-22.pdf				
5. Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B++	2.97	2020	08/01/2021	07/01/2025
6. Date of Establishment of IQAC			10/03/2016		
7. Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
NIL	NIL	NIL	NIL	NIL	
8. Whether composition of IQAC as per latest NAAC guidelines			Yes		
• Upload latest notification of formation of IQAC	View File				

9.No. of IQAC meetings held during the year	2	
<ul style="list-style-type: none"> • Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? 	Yes	
<ul style="list-style-type: none"> • If No, please upload the minutes of the meeting(s) and Action Taken Report 	View File	
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	No	
<ul style="list-style-type: none"> • If yes, mention the amount 		
11.Significant contributions made by IQAC during the current year (maximum five bullets)		
<p>i. Online Teaching Learning Process and Constant evaluation through feedbacks from all stakeholders. ii. Arranging Faculty Development Programs, Student Development Programs, workshops, Training Programs, Guest/Expert Lectures and Seminar through all departments and committees. iii. Collaborative activities with other institution. iv. Academic and Administrative Audit (AAA) was conducted for every Department. v. Institute certified by ISO 9001-2015.</p>		
12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year		

Plan of Action	Achievements/Outcomes
IQAC Meetings Scheduled	IQAC Meetings Conducted on 05th August 2021 and 20th April 2022.
Academic and Administrative Audit (AAA) of all department	Conducted Academic and Administrative Audit (AAA) of all department on 07/07/2022
Collaboration with other institutions and Activities conducted	MoU's signed with Karmayogi Institute of Technology, Shelve, Pandharpur and Padmabhushan Vasantdada Patil Pratishtan's College of Engineering Sion Chunabhatti, Mumbai. Total 07 Guest/Expert lectures were conducted under MoU signed.
Preparation of AQAR for Academic year 2020-21	Submitted AQAR for Academic year 2020-21 dated 28th March 2022.
Activities conducted by all Departments and various committees	Faculty Development Programs = 06 Student Development Programs (Workshops/ Training Programs/ Seminar/ Guest/Expert lectures) = 35
Participation of stakeholders	All stakeholders are involved in various programs and feedback collected from Student, Course, Faculty, Alumni, Parents and Employee and analyzed. The Student Exit Survey Analyzed.

13. Whether the AQAR was placed before statutory body?	Yes
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<ul style="list-style-type: none"> Name of the statutory body
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Name	Date of meeting(s)
College Development Committee	18/07/2022

14. Whether institutional data submitted to AISHE

Year	Date of Submission
2021-2022	08/01/2023

15.Multidisciplinary / interdisciplinary

We started to allow the final year multidisciplinary projects for students.

Our university, also provided the facility to students to take elective subject from other department.

16.Academic bank of credits (ABC):

We make compulsory to all students to have the Academic bank of credits (ABC) id.

At the time of examination form fill up, we check it for all students.

Without ABC, we are not accepting the examination form.

17.Skill development:

We increased the skill development program for students. In skill development program, we conducted soft skill as well as technical skill development program like seminar, workshops etc. Third year students have Internship as a compulsory subject, which improve the skill of students.

Students participated in extracurricular activities also.

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

Our college is situated in rural area. So English language speaking of students is not that much fluence. So we are using dual mode at the time of teaching i.e. English and Marathi. We are also using English language lab for the improvement of speaking. We are also giving the online courses of language and culture.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

Once the learning outcomes are defined, instructional activities and assessments are designed to support students in achieving those

outcomes. These activities and assessments are aligned with the learning outcomes, and are focused on measuring student performance and progress towards the desired outcomes.

The benefits of an outcome-based education approach include:

Clear learning objectives: OBE helps educators define clear and measurable learning objectives that guide instructional design and student learning.

Student-centered learning: OBE places a strong emphasis on the needs and interests of individual students, and encourages personalized learning experiences.

Accountability: OBE provides a framework for evaluating student learning outcomes and program effectiveness, helping to ensure accountability for educators and institutions.

Flexibility: OBE can be adapted to meet the needs of a variety of learners and learning contexts, making it a highly flexible approach to education.

Career readiness: OBE can be used to ensure that students acquire the knowledge and skills they need to succeed in their chosen careers, helping to close the skills gap in the workforce.

Overall, outcome-based education provides a powerful framework for designing and delivering effective educational programs that help students achieve their goals and prepare for successful careers.

20.Distance education/online education:

We are conducting the expert lectures and seminars in offline as well as online mode.

Extended Profile

1.Programme

1.1 225

Number of courses offered by the institution across all programs during the year

File Description	Documents
Data Template	View File

2.Student

2.1 977

Number of students during the year

File Description	Documents
Data Template	View File

2.2 229

Number of seats earmarked for reserved category as per GOI/ State
Govt. rule during the year

File Description	Documents
Data Template	View File

2.3 254

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	View File

3.Academic

3.1 72

Number of full time teachers during the year

File Description	Documents
Data Template	View File

3.2 60

Number of Sanctioned posts during the year

Extended Profile

1.Programme

1.1	225
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	977
Number of students during the year	

File Description	Documents
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File Description	Documents
Data Template	View File

2.3	254
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	View File

3.Academic

3.1	72
Number of full time teachers during the year	

File Description	Documents
Data Template	View File

3.2	60
Number of Sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	16
Total number of Classrooms and Seminar halls	
4.2	37564193
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	307
Total number of computers on campus for academic purposes	

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

RD's SCSCOE is affiliated to SPPU Pune. The academic calendar of the institute is prepared before commencements of each semester for every academic year. It consist of planning of pre-requisite lectures, unit Test, attendance review, syllabus coverage review, prelim exam, university theory exam schedule. The various departments undertake following activities for effective delivery of the university curriculum 1. Departmental academic calendar 2. Subject choice for faculty undertaken 3. Load distribution is done according to syllabus structure 4. Preparation of class timetable, faculty timetable 5. Subject teacher prepares a course file for the allotted subject (which includes course syllabus, course outcome, Co-Po mapping, teaching plan, e-learning sources, notes, test record, question bank etc.) 6. Academic monitoring committee takes the audit of course file 7. Google classroom is used to provide the e-study material to the students (PPT's, Handwritten notes, Assignments, Tutorials, MCQ question bank, university question paper etc.) 8. Activities for slow and advanced learners

9. Parent teacher meet is scheduled for discussion on queries 10. Teacher guardian scheme 11. Industrial visit 12. Faculty development program 13. Guest lecture. 14. Technical quiz.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://www.rajgad.edu.in/AOAR21-22/Cr1/1.1.1.pdf

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

The institution adheres the academic calendar including for the conduct of CIE. Rajgad Dnyanpeeth's, Shri Chhatrapati Shivajiraje College of Engineering follows the calendar issued by the University strictly and plans all its activities including the conduct of Continuous Internal Evaluation (CIE). Continuous Evaluation Process adopted by college is useful to test practical skills and knowledge obtained by students during course completion. Focus on internal evaluation is around student only. This evaluation is carried out by use of direct and indirect tools. Direct tools include unit tests, assignments, practical, online examinations, In-semester and End-semester examinations. Indirect Tools includes course survey, discussions, quiz competitions etc. Internal Assessment tests, assignments, quizzes, and seminars are part of the CIE of students. The course instructors prepare IA question papers based on the revised Bloom's Taxonomy. The internal assessment test timetable prepared by the examination committee is published to stakeholders and conducted as per the schedule. Post IA tests, evaluation of answer scripts, and calculation of CO-PO/PSO attainment are carried out by respective Course Instructors. Continuous evaluation and assessments are also done for laboratory course, project work, seminars, and internships. Conduction of laboratory experiments and viva, Submission of records are the major components of laboratory evaluation.

File Description	Documents
Upload relevant supporting documents	View File
Link for Additional information	https://www.rajgad.edu.in/AQAR21-22/Cr1/1.1.2.pdf

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

26

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

5

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

255

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

217

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

RD's SCSCOE integrates cross cutting issues like Gender, Environment and Sustainability, Human Values and Professional Ethics are inseparable part of our curriculum leads to a strong value-based holistic development of students. I) Gender:- Gender related courses are an integral component of various programmers. Students are sensitized and encouraged to work towards gender equity from a cross-cultural perspective II) Environment and Sustainability: Institute takes initiatives for paperless work through biometric attendance. Sustainability is achieved adopting energy efficient technologies such as solar panel has been provided at boy's hostel to save electricity N.S.S. organizes various environment related programs including tree plantation,

Swachhta Abhiyan. Institute offers Audit course to students related to environment sustainability. III) Human Values and Professional Ethics:- To create scientific approach and social awareness among the students, Institute offers Audit course. are conducted. The college takes efforts for integration of ethical and human values through extra-curricular activities. To maintain social values Institute conduct events such as, Shivjayanti. Constitutional Day and 26/11Black Day. To maintain the professional ethics Institute conduct events imparting soft skill for success.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

20

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	No File Uploaded
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

1.3.3 - Number of students undertaking project work/field work/ internships

284

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders
Students
Teachers
Employers
Alumni

A. All of the above

File Description	Documents
URL for stakeholder feedback report	View File
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View File
Any additional information(Upload)	View File

1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://www.rajgad.edu.in/AQAR21-22/Cr1/1.4.2.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of sanctioned seats during the year

485

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

91

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

College organizes induction program for first year and direct second year students. Information regarding examination structure, grading system, academic calendar and passing criteria.

1. Slow and advanced learner identification is done by each subject teacher by referring to the Policy designed for the same.

Learning level of student is studied as student comes from various backgrounds through centralized admission process.

Process for analyzing learning level of student is -

1. On basis of HSC marks for first year student and previous years marks for SE, TE and BE and class test-1 marks. Slow and Advanced learners are identified after one month of starting of academics.
2. The student more than 75% marks are considered as advanced learner and student below 40% marks is considered as slow

learner.

2.The activities for slow and advanced learners are then conducted by the respective subject teacher.

Activities for slow Learners:

1. Remedial Coaching Classes
2. Prerequisites Lectures and Assignments for Slow Learners
3. Provision of Question Paper Solutions, Hand -Written Notes, and Question Bank for all Subjects.
4. Personal Attention in Learning Levels through TG.

Activities for Advanced Learners:

1. NPTEL Courses awareness
2. NPTEL Videos Availability, Technical Paper Presentation, Quiz Competition, Arrangement of Seminar / Workshop / Guest Lectures, Industry Sponsored Internships.

File Description	Documents
Link for additional Information	https://www.rajgad.edu.in/AQAR21-22/Cr2/2.2.1.pdf
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
977	64

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

In order to enhance learning experience of students, following measures is taken into consideration:

1.Experiential learning:

The institute is having laboratories to perform different experiments and analyze results of the experiment in a better way. Laboratories are equipped with latest and upgraded software's. Well-equipped project laboratories and computer center is open for students to work on their project. Student's does internships and field projects in industry. MOU'S with different companies give experimental knowledge to students on recent technologies.

2.Participative Learning

Students are encouraged to take participation in various workshops, Webinars, Seminars group discussion, debate & Guest Lecture etc. Institute supports faculties to organize project competitions, technical workshop, Quiz so that students can participate in such activities.

3.Problem Solving Methodologies

For a better learning experience, along with traditional classroom teaching and laboratory learning; project-based learning has been introduced with an objective to motivate students to learn by working in groups cooperatively to solve a problem. In order to promote problem solving methodology among students, students are encouraged to take up live/industry sponsored projects.

The group of 4-6 students is formed and assigned to a faculty mentor to plan, manage and complete a task/project/activity which addresses the stated problem.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr2/2.3.1.pdf

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

Institute consciously takes effort to cultivate creativity in teaching learning process. Along with traditional teaching methods teachers make use of modern teaching aids. All staff members prepares slides (PPTS) of teaching content for proper understanding of the course. Faculties use videos, tutorials and other online material available from the internet for better understanding of the subject. Institute has set of ICT based classroom in all departments. All classrooms are equipped with LCD permanently mounted on the ceiling. All faculties use Google classroom for effective communication and sharing. The faculty uploads tutorials, assignments and reference material of subject and other academic study material on Google classrooms. Industrial visits, Quiz, Group discussions are used to make teaching learning process effective. Internet and Wi-Fi facilities is made available in college campus.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	https://www.rajgad.edu.in/AQAR21-22/Cr2/2.3.2.pdf

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

50

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	View File
Circulars pertaining to assigning mentors to mentees	View File
mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

64

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

4

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

4.21

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and

mode. Write description within 200 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 Programme (CAP) for TE and BE In-Semester examinations as per the guidelines of affiliating university.

File Description	Documents
Any additional information	View File
Link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr2/2.5.1.pdf

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

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 academic calendar is prominently displayed on various student notice boards and is strictly followed throughout the semester. It includes all the schedules of internal, external and university examinations. There is complete transparency in the internal examination grievances. The institute has an Examination Grievances Committee. The committee looks into the matters regarding university and internal examinations. At the beginning of the academic year the institute prepares a tentative

schedule of internal examination and is displayed for the students. In case of university examination Grievances of the students such as online examination form, incorrect entry of marks, queries related to subject codes/programs, wrong entries in names, hall tickets, absenteeism etc. are addressed in stipulated time to the university. Students are asked to raise the grievances if any regarding internal examination Committee. Firstly the grievances are tried to solve at Departmental level and then it is forwarded to the Examination Grievances Committee. The committee discusses all the grievances and communicates with the concerned student. All grievances are sorted out in stipulated time.

File Description	Documents
Any additional information	View File
Link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr2/2.5.2.pdf

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

The programs offered by the Institution such as the Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) are communicated to the teachers and students on online mode and are stated and displayed on website.

Well defined Program outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) are given to every program. Students must achieve course outcomes given to them at the end of the course.

In respect of the Vision and Mission of the department, the PSOs are defined at the departmental level. Faculties are also involved in formation of CO's & PSO's and are permitted to modify CO's.

Program Specific Outcomes (PSO's), Program Outcomes (PO's), and Course Outcomes (CO's) are displayed and conveyed as below.

1. In HOD meeting HOD's discuss the PSO's, POs, and CO's.
2. PO's and PSO's are published through documents like Course files, Lab Manuals & displayed on college website.
3. PO's are displayed at places like Department office, Department entrance, etc.

4. PSO's are published in laboratories and Respective HOD's cabin etc.
5. PO's and PSO's are communicated through the meeting to students and parents.
6. CO's are displayed at the respective laboratories.
7. CO's are discussed with the students.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://www.rajgad.edu.in/AOAR21-22/Cr2/2.6.1.pdf
Upload COs for all courses (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

SCSCOE has used following mechanisms to attain the POs, PSOs and COs as it is committed to it.

Continuous Evaluation during the semester: COs of the particular subjects are identified by the subject teacher and are mapped to the POs.

Every teacher monitors the performance of the student with the help of continuous evaluation sheet and the unit test after end of each unit. Target is already decided for every COs depending on the previous year attainment.

Evaluation at the end of the semester: At the end of the semester mock practical/oral examinations and term end examinations are conducted. Faculty designs unit test and Prelim examination paper that meets the certain COs. Based on the performance of the students COs attainment can be calculated.

At the Graduation Level: By considering parameters like Project work carried out by the student, placement student performance is evaluated. To analyze the level of attainment different types of feedbacks are used like alumni feedback, employer feedback etc. AMC/IQAC conducts review meetings.

To analyze the level of attainment satisfied with reference to

different parameters different types of feedbacks are useful like infrastructure of the institute, teaching- learning process of the institute, placement and other facilities.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://www.rajgad.edu.in/AOAR21-22/Cr2/2.6.3.2.pdf

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

254

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<https://www.rajgad.edu.in/AOAR21-22/Cr2/2.7.1.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

0.72

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

4

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	Nil

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

35

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.2 - Research Publications and Awards

3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year

3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year

21

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year

8

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.3 - Extension Activities

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

New opportunities are opened for the development of skills and leadership in students by organizing social activities, cultural programs, and awareness programs.

The institute has organized a "Constitutional Day and 26/11 Black Day" in which our students, and faculty have actively participated. The institution library has organized "Reading Inspiration Day" on the birth anniversary of Late Dr. A. P. J. Abdul Kalam, which motivates students to get knowledge from the books. The institution has organized a "Tree Plantation Program" to reduce global warming effect and save environment. Also organized a voter awareness program "Making our voters empowered, Vigilant, Safe and Informed" under NSS. Institute has organized a

program on, "Women Empowerment" under the ICC Cell. And "Shivjayanti" in which our students and faculty actively participated.

The institution library has organized Quiz on the occasion of "Dr. Babasaheb Ambedkar Birth Anniversary". Institute has organized a program on, "Women's Day Celebration" under the ICC, Cell. The institution library has organized E-Quiz competition on "Mahatma Jotiba Phule Jayanti" on the occasion of 195th Birth anniversary. The institution has organized "Swachhata Abhiyan" to give awareness about the cleanliness. Also youth development programs like International Yoga Day in which our students and faculties are participating.

File Description	Documents
Paste link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr3/3.3.1.pdf
Upload any additional information	View File

3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

3

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year(Data Template)	View File
e-copy of the award letters	View File

3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

18

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	View File

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

845

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.4 - Collaboration

3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

138

File Description	Documents
e-copies of linkage related Document	View File
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	View File

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year

19

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

1. Response:

According to AICTE standards, the institute has suitable facilities, beautiful landscape, aesthetic architecture, environment friendly atmosphere, spacious classrooms, well-equipped laboratories, and good infrastructure.

Land Availability:

The institution has a total of 15 acres of land allocated with occupies 18735 sq. m. of the total area for Academic building. The remaining area is utilized for Parking, playground, hostel, canteen, and other amenities.

Classrooms & laboratories:

The institute provides well-furnished and well-ventilated classrooms & laboratories with proper visibility and audibility. In institute provides 35 laboratories with a proper experimental setup. The classrooms & laboratories have all required facility with Wi-Fi connectivity.

Seminar Hall:

The institute has a 251 sq. m. Seminar Hall where expert lectures, curricular and extracurricular events, etc. can be held. The seminar room have all those facilities which is suggested by AICTE standards.

Workshop:

The institute workshop is fully equipped with 25 no. of machineries. Students are free to carry out their fabrication work. The cost of workshop is 19.34 lakhs.

Central Library:

In library printed titles, volumes, journals and magazines are available. Digital library provides e- resources like e-books, NPTEL video etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr4/4.1.1.pdf

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

1. Response:

The playing area at institutes is enormous and can accommodate several different games. About 35600 square meters of this space is allocated for sports. The institute organizes a variety of sports, games, cultural events, and fun activities throughout the year. The institution's main vision is to encourage the students' multi-talents in other fields along with academics.

Indoor and Outdoor Games:

Various outdoor games like Running, kabaddi, tug-of-war, cricket etc. are arranged on the playground. Indoor games like chess, carom badminton etc are organized in the institute.

Gymnasium:

The institute also offers a spacious gym with best apparatus,

including dumbbells, a crossover machine, etc.

Yoga Centre:

The International Day of Yoga has been celebrated annually on 21st June. International Yoga Day aims to promote public awareness of the numerous advantages of practicing yoga globally. Every year, activities for meditation and yoga are conducted in the seminar hall.

Cultural activities:

An open stadium is utilized by the institute for their annual social gathering and state level dance competition Anant Mahotsav. The Stadium has a large seating capacity and a great scenery. The Institute also encourages students to celebrate various events like Independence Day, Yoga day, Shivaji Maharaj Jayanti, Women day etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr4/4.1.2.pdf

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

5

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

11

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr4/4.1.2.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

5130021

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

Library plays a very important role in the curricular development & to satisfy the readers thirst for knowledge. SCSCOE College library is to participate actively in the educational mission of the college through collection and dissemination of information to meet the curricular and general needs of the students, faculty and staff.

Library also has a vital role in acquisition, organization and dissemination of Knowledge.

SCSCOE College library system supports the teaching-learning Process of institute. SCSCOE College library has an exceptional collection of text books, reference books, general books, journals

and magazines, bound volumes, CD-ROMs, online resources and other reading material. Books are classified according to the Dewey Decimal Classification Scheme. Library has excellent infrastructure to meet its requirements, all its operations are computerized using Autolib software and provides access to the collection through OPAC. SCSCOE College library Provide open access system that allows users a direct access to the library collection, book issue return through barcode scanner etc.

It has specialized collections of Books, Journals & Other resources in Sciences, Engineering and Technology. Library has 2889 Book titles 9864 Volumes, National & International Print Journal 30.

The collection includes Books, back Volumes, NPTEL Database, DELNET E-resources, and CDs\ DVDs.

Details of ILMS

Shri Chhatrapati Shivajiraje college of Engineering, Dhangawadi have enabled library with Autolib Library Management Software in 2014 with perceptual License.

Sr.No.

Details of Integrated Library Management System (ILMS)

1

Name of ILMS Software

Autolib

2

Nature of Automation (Fully or Partially)

Fully

3

Version

Autolib-NG

4

Year of Automation

2015

5

Year of Purchase

2014

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://www.rajgad.edu.in/AQAR21-22/Cr4/4.2.1.pdf

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources A. Any 4 or more of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

370896

File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

53.70

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

The Institute has deployed IT infrastructure and Applications development for Academic and Research support. The college has established a high speed campus wide network that connects all its departments consisting of 369 systems.

Internet connectivity and Wi-Fi: The campus has been enabled internet service with 60 MBPS bandwidth with 24x7 supports, providing anytime anywhere access to learning and knowledge resources for students and faculty. Campus is equipped with Wi-Fi facility with 20 Wi-Fi access point. The internet bandwidth is enhanced from 45 Mbps to 60 Mbps over last 5 years

Computer center: The institution has a separate computer center with 65 PC's which is used by students and for conduction of online University examinations.

ICT Tools: The institution has implemented different ICT tools like smart classroom, interactive board, LCD projector, internet, Wi-Fi, Google Application like Google Classroom for sharing teaching material, Google form for conduction of online examination and student's feedback. Google meet, zoom meeting and Microsoft Team

these online platforms are used to conduct webinars and lectures.

Open source: Institution has open source software like Ubuntu 14.04 LTS, 16.04, 18.04, Net beans IDE 6.8, Eclipse, Python 3.6, Flex, Bison, Open JDK 7, My SQL, Firefox 57.5, and Fedora.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr4/4.3.1.pdf

4.3.2 - Number of Computers

307

File Description	Documents
Upload any additional information	View File
Student – computer ratio	View File

4.3.3 - Bandwidth of internet connection in the Institution A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

30.94

File Description	Documents
Upload any additional information	View File
Audited statements of accounts.	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

All physical and academic & support facilities are provided to the students who are admitted in the institute. The institute provides maintenance, cleaning, and write-off committee for smooth operation of all physical, academic, and support facilities. Maintenance and Housekeeping section is divided into different subsections Housekeeping, Electrical Maintenance and Building Maintenance etc.

A.Maintenance:

1.Building Maintenance, services, Plumbing, Sanitary:

The central maintenance committee takes care of the maintenance of civil works such as classrooms, laboratories other related maintenance.

2.Electrical Maintenance:

The electrical installations and maintenance of electrical equipment of the institute is taken care of by the electrical maintenance section. The required electrical material is provided by the central store of the institute.

3.Departmental Equipment and Instrument maintenance:

The laboratory in-charge and laboratory assistant identifies the instruments and equipment which are faulty and required to be repaired. Prepares list of faulty equipment request letter and submit to the principal.

4.Library:

The stock verification is performed once a year. Every semester,

the journals are bound together. After inspection, torn books are rebound.

B. Utilization:

All stakeholders can use the computers with internet connections. Support facilities like sports, Gymnasium are utilized by students for regularly.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.rajgad.edu.in/AOAR21-22/Cr4/4.4.2.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefitted by scholarships and free ships provided by the Government during the year

963

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefitted by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year

474

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to institutional website	https://www.rajgad.edu.in/AQAR21-22/Cr5/5.1.3.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

294

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

294

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

145

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

0

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

0

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File

5.3 - Student Participation and Activities

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

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

3

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Under the provision of section 40(2) (b) of the Maharashtra university act, 1994 there shall be a student council 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 to enhance teamwork and leadership qualities.

A committee consists of a chairperson, General Secretary, Sports secretary, Ladies representative and cultural secretary. Notice displayed to invite applications from the interested students 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, and cultural activities. 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.

Sports and Gymkhana Committee: Students from this committee make awareness about sports by organizing various indoor, outdoor games.

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.

File Description	Documents
Paste link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr5/5.3.2.pdf
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution

participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

22

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

The institute has formed 'Rajgad Dnyanpeeth Technical Campus Alumni Association (RDTCAA)' in the year of 2015. RDTCAA of the institute was registered with Assistant registrar of the society, Pune region Pune. (Registration number, Maharashtra/189/2018/Pune) as per Maharashtra Government rules. 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 utilize the rich experiences of old students of the college for the benefit and progress of the present students 3. To provide guidance to the present students in their endeavour for better employment and higher studies. 4. To promote the campus placements through the old students working in reputed industries in India and abroad. 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. Following are Alumni benefits for the students: 1. Personality development programme. 2. career-guidance. 3. Industry -Institute interaction. 4. Placement assistance. 5. Sponsorship of Project for final year students. Alumni expressed their willingness to contribute in best possible ways for all over development of the institution.

File Description	Documents
Paste link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr5/5.4.1.pdf
Upload any additional information	View File

5.4.2 - Alumni contribution during the year D. 1 Lakhs - 3Lakhs (INR in Lakhs)

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Vision: "Excellent Institution for Education, Training and Research in Engineering."

Mission:

- Develop competent engineers along with professional skills and responsible citizen.
- Foster knowledge and technical skills of the highest standards to develop sustainable engineering solution.
- Prepare engineers to respond to needs of the industry, higher studies and research through industry and institute interaction.

Institute's Governing Body, College Development Committee and Internal Quality Assurance Cell act as a top management for designing and implementation of quality policies. Institute has efficient coordination and internal management system. The Internal Quality Assurance Cell is formulated to ensure the quality enhancement of academic and administrative activities.

The institute has a perspective plan designed keeping in mind the previous experiences, stakeholder suggestions and changing scenario in the field of engineering to enhance the various activities.

Teachers are the most important part of teaching learning process and actively participating in department level meetings and the resolutions are passed on to the Principal for final decision. In addition, faculty members are serving as members of various committees formed at department level and institute level where the decisions and opinions of committee members play crucial role in decision making.

File Description	Documents
Paste link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr6/6.1.1.pdf
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

Institutes management strongly believe in decentralization of authority and participative management including teaching, non-teaching staff and students for proper working of institute. The Principal, Head of Departments, Internal Quality Assurance Cell Committee (IQAC) and Academic Monitoring Committee (AMC) are responsible for academic and administrative leadership of institute. The Principal conducts meeting of various committees to discuss and review academic and administrative issues. Through participative management, various committees are formed for the proper functioning of institute.

Case Study: Training & Placement (T&P) Cell

Training and Placement Cell is an integral part of the institute. Our institute has provided good infrastructure and other facilities for effective functioning of the T&P Cell. The role of the Training and Placement Department is to facilitate and support students for training and placement related activities. Training activities are organized throughout the year in an effort towards preparing the students for the campus selection programs. T&P Cell conduct regular meetings and approved by Principal, thus the participative arrangements is being followed in decision making. The committee is responsible for the smooth conduction of various training sessions, Alumni Interaction, Campus Placement Programs, Industry institute interaction and provide basic insights of Entrepreneurship.

File Description	Documents
Paste link for additional information	https://www.rajgad.edu.in/AOAR21-22/Cr6/6.1.2.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

As per Institution strategic plan institute enterprise interacts with the industry by signing number of MoU's to give wide exposure to student through internship, industry sponsored projects, seminars, workshops etc. which will help to student to enhance skill sets and become an industry ready personal to grab the opportunities such as internship, placement etc. In line with this institute strategy, institute established relation with many companies, NGO, and Institutes e.g. TE Connectivity India Private Limited, Shirwal by signing MoU and conducted activities to explore industrial knowledge of student. As a part of this, to create awareness among the students regarding recent trends and practices in industrial automation field, the T&P Cell organized 5 days Workshop on 'PLC & SCADA Automation' for the students of E&TC and Mechanical engineering department. In line with this, to enhance industry-institute collaboration, internship is provided to 20 students successfully completed to get exposure of industry work as well as the job opportunity is also made for the students by T&P cell, in-campus placement drive activity is also conducted. As a result of this, TE Connectivity India Private Limited offer placement for ten students from E&TC and Mechanical engineering department.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.rajgad.edu.in/AOAR21-22/Cr6/6.2.1.pdf
Upload any additional information	View File

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Organogram-

Governing body which is monitor by management and constituted as per guidelines of competent authorities; plays key role in policy making and verifying the reports through secretary and correspondent. Statutory body such as IQAC cell is an important part of organization which is responsible to maintain quality of education of Institution. Various committees comprising of faculty member and administrative staff are involved in planning and implantation, academic and evaluation. The academics, administrative departments, different functional committees/cells consisting faculty members and students are lead by Principal, Deans and HOD's. As per requirement and benefits of institution, governing body takes the decision and the same has executed through the Principal and Heads of academics and Administration. College has different cells to conduct activities and programs as per the guidelines of IQAC cell. The cells like Academic Monitoring Cell (AMC), Research and Development (R and D), Industry Institute Interaction Cell (IIIC), Entrepreneurship Development Cell (EDC), Examination cell, Anti-ragging cell, Alumni cell, National Social Service Cell (NSS), Grievance redressal cell etc. are functioning at institute level. All the HOD's along with teaching and non-teaching staff works in coordination with AMC. Office superintendent (OS) leads various administrative sections.

File Description	Documents
Paste link for additional information	https://www.rajgad.edu.in/AOAR21-22/Cr6/6.2.2.pdf
Link to Organogram of the Institution webpage	https://rajgad.edu.in/iqac.php#organogram
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

Rajgad Dnyanpeeth's, Shri Chhatrapati Shivajiraje College of Engineering provides welfare facilities and services for teaching and non-teaching staff at workplace for continuous improvement in the work are as follows:

1. 10 full days or 20 half days Medical leave per year and 70 days per year for Teaching staff and 30 days per year for non-teaching staff vacation leave is provided
2. On Duty leave of 10 days per Academic Year is provided to attend workshops, seminars, FDP's, conferences and university examination duties for all teaching and non-teaching staff.
3. Special Study Leave to pursue higher education.
4. 15 days Marriage leave is given to all teaching and non teaching staff.
5. The institute has provides Doctor on call facility whenever there is a medical emergency in institute.
6. Institute provides maternity leave to the female staff according to the norms.
7. As per the provisions of provident fund act, institute contributes to Provident Fund.
8. Our Institute provided free uniform to non-teaching staff.
9. Wi-Fi campus facility is made available for Teaching, Non Teaching staff and Students.
10. Institution provides free transport facility to all non teaching staff and in concessional rate to Teaching Staff .
11. Faculty members opting to stay in hostel are given free accommodation.

File Description	Documents
Paste link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr6/6.3.1.pdf
Upload any additional information	View File

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

3

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

6

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

29

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

Institution has Performance Appraisal System for teaching and non-teaching staff. In this system, the performances are classified into three categories

1. Teaching, Learning and Evaluation related activities
2. Co-Curricular, Extension and Professional Development related activities
3. Research and Development Contribution

At the end of each academic year, the data pertaining to the above categories are collected from each faculty member in the Self Appraisal Form along with self evaluation. Based on the data collected, API scores are calculated for each of the three categories through Evaluating Authority (EA) is the HoD and the Reviewing Authority (RA) is The Head of Institution (Principal). The EA shall verify all the information, by supporting proofs before commenting on the performance. These scores are used for the award of career advancements to faculty members.

The performance of non-teaching staff is evaluated by HOD on the basis of Regularity and punctuality, Cooperation and coordination, Accuracy in work, Neatness and tidiness of work, Involvement in departmental and Institute activity, Job knowledge and skills, Computer literacy, Quality in work and Understanding of job responsibilities in terms of marks/grade and finally, remark on the Appraisal and Assessment by the Principal is done.

File Description	Documents
Paste link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr6/6.3.5.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

Internal Audit is performed by officials deputed from Rajgad Dnyanpeeth Trust office periodically and the reports are obtained before conduct of the external audit which is normally done after the closure of the accounts in all respects. The recent internal audit of the Institution is carried out on 30th June 2022 for the period of 1 April 2021 to 31 March 2022 (financial year 2021-22). 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 and Company. The external auditor conducts statutory audit at the end of financial year. The recent external audit is conducted on 07th November 2022 (financial year 2021-22). 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.

File Description	Documents
Paste link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr6/6.4.1.pdf
Upload any additional information	View File

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

0.405

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

The Rajgad Dnyanpeeth's, Shri Chhatrapati Shivajiraje College of Engineering is self financed unaided private institute. The prime source of income for institute is fees received from student, reimbursements of student scholarship by State Government, bank interest received and other miscellaneous income like Fine, Certificate Charges, Hostel Fine etc. The Institute Management has a well-defined procedure to monitor effective and efficient utilization of available resources for infrastructure development.

As per policy, the institute utilizes available resources. Institute has well developed and equipped workshop through which funds can be generated by serving client demands. Requirements such as furniture, maintenance etc. of nearby schools, colleges and institutions are fulfilled through institute workshop itself. As per proposal, under the guidance of head of institute, workshops in charge in consult with store incharge prepares quotation and submit to client. After getting clearance from client, workshop incharge fulfill the requirement of client as per proposal. As per the quotation, client disburses the amount to institute. Account officer verify it and inform to head of institute. The store incharge verifies the workshop expenses periodically like expenditure on material, machines etc. workshop incharge submit the report of the same to store incharge.

File Description	Documents
Paste link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr6/6.4.3.pdf
Upload any additional information	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Practice 1: Online Teaching Learning Process-

Regular meetings of IQAC are conducted under the chairmanship of Principal with agenda and suggestions are taken from all the members of IQAC. All the teachers are encouraged to use Google Classroom and instructed to create classroom for their courses for improvement and better implementation of curriculum. Teachers are encouraged to upload timetable, teaching plan, study material, PPT, assignment, quiz, animation/NPTEL videos, MCQ's, Unit test, university question papers etc. enable the interaction to be very effective 24x7 access for learning purpose at any time, round the clock between students and the teachers in the classroom. Each faculty done Continuous Assessment on the basis of Attendance, Unit test, Assignments and performance in laboratory for every course in each semester and prepared the course attainment.

Practice 2: Student Development Programs

All departments and committess have been conducting various

workshops/ SDP/ Training Programs/ Seminar/ Guest/Expert lectures etc.for the growth of students is made to give academic, curricular, extra-curricular, technical and professional exposure all round the year.

File Description	Documents
Paste link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr6/6.5.1.pdf
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

IQAC monitors and reviews the teaching learning process, structures and methodologies of operations and learning outcomes regularly.

1. Academic Monitoring System-

Academic Monitoring Committee (AMC) is Institute level committee responsible to regulating and implementing different academic activities for delivering effective teaching learning process. AMC is headed by Academic Coordinator along with department coordinator. Academic Monitoring System under AMC conduct performance evaluation of continuous evaluation process, add-on facilities, quality assurance, attendance and teacher guardian scheme. The AMC committee will check the all academic records of faculty ensuring the consistency to the dates mentioned in the academic calendar for conducting various activities by each department.

2. Academic and Administrative Audit

The Institute takes Academic and Administrative Audit (AAA) of each department every year through IQAC to evaluate the performance and give suggestions for further improvement of the quality of teaching, research, curricular and extra-curricular and administration activities. The external auditors evaluate each department AAA considering curricular, teaching learning and evaluation, feedback, research, innovation, publication, collaborations and linkages, student progression, activity conducted / organized and achievements sections and give the

recommendations further improvement.

File Description	Documents
Paste link for additional information	https://www.rajgad.edu.in/AOAR21-22/Cr6/6.5.2.pdf
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

B. Any 3 of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://rajgad.edu.in/igac.php#annualreports
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Institution shows gender sensitivity in providing facilities such as

a) Safety and Security

b) Counseling

c) Common Room Response:

1. Safety and Security

For the protection and security of female, the institution has established an Internal Complaint Committee.

The institution has established a dedicated women's development cell under the direction of Prof. J. G. Kale.

The following are the functions and responsibilities

- To carry out awareness campaigns that emphasize women's rights, women's empowerment women's welfare laws.
- To emphasize the value of health and cleanliness
- To influence women's place in society.

2. Counseling

For personal counseling on a need basis, the Institute offers mentoring sessions for every student in every department. The sessions cover topics like stress management, self esteem issues, lack of motivation, time management, friendship issues, emotional issues, behavioral issues, adjustment issues, etc.

3. Common Room

The institution has common areas that are available to female students and staff only. These are furnished with tables, chairs, beds, drinking water coolers, and restrooms. Posters of role models for women are also present in the common area to raise awareness among students.

In order to enhance hygiene, sanitary incinerators are built in the restrooms for female students and female workers.

File Description	Documents
Annual gender sensitization action plan	https://www.rajgad.edu.in/AQAR21-22/Cr7/7.1.1.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://www.rajgad.edu.in/AQAR21-22/Cr7/7.1.1.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

B. Any 3 of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

1. Solid waste management

The solid waste (Dry waste) such as paper, pens, chinks etc.is deposited at each floor dustbins. There is daily 30 kg Food Waste generated in college canteen and is utilized for biogas plant. The bio gas plant is having volume of 2.2 m3 and gas holding capacity of 1.68 m3.

2. Liquid Waste

The waste water from wash basin, urinals, toilets, water cooler etc. is collected in a septic tank of capacity 240000 lit

3. Bio-medical waste management

The Bio medical waste like sanitary pads in the institute is

disposed with the help of Incinerator which are located in each floor woman's wash room area as well as in Girls Common room washroom. .

4. E-waste management

E-waste like memory chips, mouse, cables, compact discs, cartridges, cables, switches etc. is collected in E-waste bin. The collected E-waste is given to authorized dealers for reuse and dispose.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	https://www.rajgad.edu.in/AQAR21-22/Cr7/7.1.3.pdf
Any other relevant information	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting
Bore well /Open well recharge Construction of tanks and bunds Waste water recycling
Maintenance of water bodies and distribution system in the campus

B. Any 3 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

A. Any 4 or All of the above

1. Restricted entry of automobiles
2. Use of Bicycles/ Battery powered vehicles
3. Pedestrian Friendly pathways
4. Ban on use of Plastic
5. landscaping with trees and plants

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following
1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
Any other relevant information	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

Institution provides a comprehensive atmosphere for everyone with harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities. Different sports and cultural activities organized inside the college promote congruence towards each other.

Commemorative days like Women's day, Yoga day along with many regional festivals, Jayanti's like Shivjayanti, Mahatma Phule Jayanti, Dr.Ambedkar Jayanti, etc are celebrated in the college. This establishes positive collaboration among people of different ethnic and cultural backgrounds. There are different grievance redressal cells in the institute like Student grievance redressal cell, women grievance redressal cell which deal with grievances without considering anyone's cultural or traditional background.

Dr. A.P.J. Abdul Kalam, birth anniversary is celebrated as 'Reading Inspiration Day' for staff and students to inculcate inspiration about books which make mind potent yet serene, this also leads to incorporate linguistic as well as socioeconomically behavior in institution.

Transport Facility is available for Students and Staff regularly. All these facilities are provided irrespective of their caste, creed, color, sex or socioeconomic background. Institute has code of ethics for students and a separate code of ethics for staff which has to be followed by each one of them regardless of their cultural, regional, linguistic, communal socioeconomic and other diversities.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	View File

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

RD'S SCSCOE focuses on preparing sound academic foundation of students as well as develop them as a better citizen of the country. In this regard, few practices and activities are conducted.

National Anthem: The day of institute starts with National anthem. Every day at 10:00 am National anthem is played in the institute.

Independence Day: On 15th August every year institute celebrates Independence Day with pride and enthusiasm. This year institute celebrated Independence Day as an "AZADI KA AMRIT MAHOTSAV". The day is scheduled with events which start with flag hoisting and speech by the chief guest.

Constitution Day: The Constitution day that is Samvidhana divas is celebrated every year on 26th November in the institute. On this day tribute is given to the Dr. B. R. Ambedkar and constitution is recited by in the program.

Voter's Day: 25th January is celebrated as Voter's day to encourage more young voters to take part in the political process. On behalf of Voter's day, all the staff members took an oath to vote on the polling day.

Republic day: Republic day is celebrated with great enthusiasm on 26th January.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	View File
Any other relevant information	View File

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Institution celebrates various national and international commemorative days, events and festivals as follows.

1. Independence Day: Institute celebrates the Independence Day every year. Principal hosts the flag and conveys speech emphasizing about the connotation of Independence Day to students and staff.

2. Republic Day: Our Institute celebrates Republic Day. Principal host the flag and delivers speech highlighting about the significance of republic day to students and staff.

3. International Women's Day: Celebrated International Women's Day on 8th March 2021. Women's Redressal Cell has taken lead in organizing the function in which all women faculties and Guests participates.

4. Dr. Babasaheb Ambedkar Jayanti - Celebrated Dr. Babasaheb Ambedkar

Jayanti- as he struggled for equality throughout his life.

5. International Yoga Day: The International Day of Yoga has been celebrated annually on 21st June . Yoga is a physical, mental and spiritual practice.

6. Savitribai Phule Jayanti- Institute has celebrated Savitribai Phule Jayanti Savitribai prominent social reformer and educationist in India.

7. National Voter's Day- In order to encourage more young voters to take part in the political process,

8. Constitutional Day and 26/11 Black Day- Celebrated to commemorate the adoption of the Constitution of India and tributes to victims of 26/11 terrorist attack

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

7.2.1 Best Practices

1. Best Practice I: Reach to Unreached

Objective: To emphasize the importance of higher education to students and parents in village area. **Context:** The students from rural area are needed to have Guidance regarding higher education and carrier opportunities.

The practice: Our staffs to guide to rural area students regarding higher education and carrier opportunities open to them.

The process: Our staff goes to remote villages with permission and creates awareness regarding higher education by providing information.

Evidence of success: This practice proved very successful in creating awareness about higher education among students at villages. Total 60 students are enrolled for Engineering in our institute through this practice.

Problems Encountered: Waiting period for the permission by Grampanchayats and Challenges of Covid.

1. Best Practice II: Project Competition

Objectives of the Practice: To enhance technical skill and professional skill among students.

Context: Providing platform for students to show their technical skill and creativity.

The Practice: Students present their project on competition day. Panel evaluates and declare best project as winner.

Evidence of Success: Total 45 Projects were presented Competition held in A.Y. 2021-22.

Problems Encountered: Mismatch of schedule of resource persons.

File Description	Documents
Best practices in the Institutional web site	View File
Any other relevant information	View File

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

7.3.1 Institute Distinctiveness: Anant-Nirmal Scholarship

Anant-Nirmal Scholarship Scheme is sanctioned by management on 12/7/2013 in response to the request letter by the institute head and 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 2021-22, Total 474 (Four Hundred seventy Four) students are benefited by concession of total amount Rs.1, 08, 24,379/- (Rs.One crore eight lacs twenty four thousands three hundred and seventy nine only) through this Scheme to economically weaker students. Institute has been providing scholarship to eligible students in each academic year since from 2013-14.

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

RD's SCSCOE is affiliated to SPPU Pune. The academic calendar of the institute is prepared before commencements of each semester for every academic year. It consist of planning of pre-requisite lectures, unit Test, attendance review, syllabus coverage review, prelim exam, university theory exam schedule. The various departments undertake following activities for effective delivery of the university curriculum

1. Departmental academic calendar
2. Subject choice for faculty undertaken
3. Load distribution is done according to syllabus structure
4. Preparation of class timetable, faculty timetable
5. Subject teacher prepares a course file for the allotted subject (which includes course syllabus, course outcome, Co-Po mapping, teaching plan, e-learning sources, notes, test record, question bank etc.)
6. Academic monitoring committee takes the audit of course file
7. Google classroom is used to provide the e-study material to the students (PPT's, Handwritten notes, Assignments, Tutorials, MCQ question bank, university question paper etc.)
8. Activities for slow and advanced learners
9. Parent teacher meet is scheduled for discussion on queries
10. Teacher guardian scheme
11. Industrial visit
12. Faculty development program
13. Guest lecture.
14. Technical quiz.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://www.rajgad.edu.in/AQAR21-22/Cr1/1.1.1.pdf

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

The institution adheres the academic calendar including for the conduct of CIE. Rajgad Dnyanpeeth's, Shri Chhatrapati Shivajiraje College of Engineering follows the calendar issued by the University strictly and plans all its activities including the conduct of Continuous Internal Evaluation (CIE).

Continuous Evaluation Process adopted by college is useful to test practical skills and knowledge obtained by students during course completion. Focus on internal evaluation is around student only. This evaluation is carried out by use of direct and indirect tools. Direct tools include unit tests, assignments, practical, online examinations, In-semester and End-semester examinations. Indirect Tools includes course survey, discussions, quiz competitions etc. Internal Assessment tests, assignments, quizzes, and seminars are part of the CIE of students. The course instructors prepare IA question papers based on the revised Bloom's Taxonomy. The internal assessment test timetable prepared by the examination committee is published to stakeholders and conducted as per the schedule. Post IA tests, evaluation of answer scripts, and calculation of CO-PO/PSO attainment are carried out by respective Course Instructors. Continuous evaluation and assessments are also done for laboratory course, project work, seminars, and internships. Conduction of laboratory experiments and viva, Submission of records are the major components of laboratory evaluation.

File Description	Documents
Upload relevant supporting documents	View File
Link for Additional information	https://www.rajgad.edu.in/AQAR21-22/Cr1/1.1.2.pdf

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

26

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

5

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

255

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

217

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

RD's SCSCOE integrates cross cutting issues like Gender, Environment and Sustainability, Human Values and Professional Ethics are inseparable part of our curriculum leads to a strong value-based holistic development of students. I) Gender:- Gender related courses are an integral component of various programmers. Students are sensitized and encouraged to work towards gender equity from a cross-cultural perspective II) Environment and Sustainability: Institute takes initiatives for paperless work through biometric attendance. Sustainability is achieved adopting energy efficient technologies such as solar panel has been provided at boy's hostel to save electricity N.S.S. organizes various environment related programs including tree plantation, Swachhta Abhiyan. Institute offers Audit course to students related to environment sustainability. III) Human Values and Professional Ethics:- To create scientific approach and social awareness among the students, Institute offers Audit course. are conducted. The college takes efforts for integration of ethical and human values through extra-curricular activities. To maintain social values Institute conduct events such as, Shivjayanti. Constitutional Day and 26/11Black Day. To maintain the professional ethics Institute conduct events imparting soft skill for success.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

20

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	No File Uploaded
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

1.3.3 - Number of students undertaking project work/field work/ internships

284

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

**1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders
Students Teachers Employers Alumni**

A. All of the above

File Description	Documents
URL for stakeholder feedback report	View File
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View File
Any additional information(Upload)	View File

1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://www.rajgad.edu.in/AQAR21-22/Cr1/1.4.2.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of sanctioned seats during the year

485

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

91

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

College organizes induction program for first year and direct second year students. Information regarding examination structure, grading system, academic calendar and passing criteria.

1. Slow and advanced learner identification is done by each subject teacher by referring to the Policy designed for the same.

Learning level of student is studied as student comes from various backgrounds through centralized admission process.

Process for analyzing learning level of student is -

1. On basis of HSC marks for first year student and previous years marks for SE, TE and BE and class test-1 marks. Slow and Advanced learners are identified after one month of starting of academics.
2. The student more than 75% marks are considered as advanced learner and student below 40% marks is considered as slow learner.

2. The activities for slow and advanced learners are then conducted by the respective subject teacher.

Activities for slow Learners:

1. Remedial Coaching Classes
2. Prerequisites Lectures and Assignments for Slow Learners
3. Provision of Question Paper Solutions, Hand -Written Notes, and Question Bank for all Subjects.

4. Personal Attention in Learning Levels through TG.

Activities for Advanced Learners:

1. NPTEL Courses awareness
2. NPTEL Videos Availability, Technical Paper Presentation, Quiz Competition, Arrangement of Seminar / Workshop / Guest Lectures, Industry Sponsored Internships.

File Description	Documents
Link for additional Information	https://www.rajgad.edu.in/AQAR21-22/Cr2/2.2.1.pdf
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
977	64

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

In order to enhance learning experience of students, following measures is taken into consideration:

1. Experiential learning:

The institute is having laboratories to perform different experiments and analyze results of the experiment in a better way. Laboratories are equipped with latest and upgraded software's. Well-equipped project laboratories and computer center is open for students to work on their project. Student's does internships and field projects in industry. MOU'S with

different companies give experimental knowledge to students on recent technologies.

2.Participative Learning

Students are encouraged to take participation in various workshops, Webinars, Seminars group discussion, debate & Guest Lecture etc.Institute supports faculties to organize project competitions, technical workshop, Quiz so that students can participate in such activities.

3.Problem Solving Methodologies

For a better learning experience, along with traditional classroom teaching and laboratory learning; project-based learning has been introduced with an objective to motivate students to learn by working in groups cooperatively to solve a problem. In order to promote problem solving methodology among students, students are encouraged to take up live/industry sponsored projects.

The group of 4-6 students is formed and assigned to a faculty mentor to plan, manage and complete a task/project/activity which addresses the stated problem.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr2/2.3.1.pdf

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

Institute consciously takes effort to cultivate creativity in teaching learning process. Along with traditional teaching methods teachers make use of modern teaching aids. All staff members prepares slides (PPTS) of teaching content for proper understanding of the course. Faculties use videos, tutorials and other online material available from the internet for better understanding of the subject. Institute has set of ICT based classroom in all departments. All classrooms are equipped with LCD permanently mounted on the ceiling. All faculties use Google classroom for effective communication and sharing. The

faculty uploads tutorials, assignments and reference material of subject and other academic study material on Google classrooms. Industrial visits, Quiz, Group discussions are used to make teaching learning process effective. Internet and Wi-Fi facilities is made available in college campus.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	https://www.rajgad.edu.in/AQAR21-22/Cr2/2.3.2.pdf

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

50

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	View File
Circulars pertaining to assigning mentors to mentees	View File
mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

64

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

4

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

4.21

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 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 Programme (CAP) for TE and BE In-Semester examinations as per the guidelines of affiliating university.

File Description	Documents
Any additional information	View File
Link for additional information	https://www.rajgad.edu.in/AOAR21-22/Cr2/2.5.1.pdf

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time-bound and efficient

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 academic calendar is prominently displayed on various student notice boards and is strictly followed throughout the semester. It includes all the schedules of internal, external and university examinations. There is complete transparency in the internal examination grievances. The institute has an Examination Grievances Committee. The committee looks into the matters regarding university and internal examinations. At the beginning of the academic year the institute prepares a tentative schedule of internal examination and is displayed for the students. In case of university examination Grievances of the students such as online examination form, incorrect entry of marks, queries related to subject codes/programs, wrong entries in names, hall tickets, absenteeism etc. are addressed in stipulated time to the university. Students are asked to raise the grievances if any regarding internal examination Committee. Firstly the grievances are tried to solve at Departmental level and then it is forwarded to the Examination Grievances Committee. The committee discusses all the grievances and communicates with

the concerned student. All grievances are sorted out in stipulated time.

File Description	Documents
Any additional information	View File
Link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr2/2.5.2.pdf

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

The programs offered by the Institution such as the Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) are communicated to the teachers and students on online mode and are stated and displayed on website.

Well defined Program outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) are given to every program. Students must achieve course outcomes given to them at the end of the course.

In respect of the Vision and Mission of the department, the PSOs are defined at the departmental level. Faculties are also involved in formation of CO's & PSO's and are permitted to modify CO's.

Program Specific Outcomes (PSO's), Program Outcomes (PO's), and Course Outcomes (CO's) are displayed and conveyed as below.

1. In HOD meeting HOD's discuss the PSO's, POs, and CO's.
2. PO's and PSO's are published through documents like Course files, Lab Manuals & displayed on college website.
3. PO's are displayed at places like Department office, Department entrance, etc.
4. PSO's are published in laboratories and Respective HOD's cabin etc.
5. PO's and PSO's are communicated through the meeting to students and parents.
6. CO's are displayed at the respective laboratories.
7. CO's are discussed with the students.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://www.rajgad.edu.in/AQAR21-22/Cr2/2.6.1.pdf
Upload COs for all courses (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

SCSCOE has used following mechanisms to attain the POs, PSOs and COs as it is committed to it.

Continuous Evaluation during the semester: COs of the particular subjects are identified by the subject teacher and are mapped to the POs.

Every teacher monitors the performance of the student with the help of continuous evaluation sheet and the unit test after end of each unit. Target is already decided for every COs depending on the previous year attainment.

Evaluation at the end of the semester: At the end of the semester mock practical/oral examinations and term end examinations are conducted. Faculty designs unit test and Prelim examination paper that meets the certain COs. Based on the performance of the students COs attainment can be calculated.

At the Graduation Level: By considering parameters like Project work carried out by the student, placement student performance is evaluated. To analyze the level of attainment different types of feedbacks are used like alumni feedback, employer feedback etc. AMC/IQAC conducts review meetings.

To analyze the level of attainment satisfied with reference to different parameters different types of feedbacks are useful like infrastructure of the institute, teaching- learning process of the institute, placement and other facilities.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://www.rajgad.edu.in/AQAR21-22/Cr2/2.6.3.2.pdf

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

254

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<https://www.rajgad.edu.in/AQAR21-22/Cr2/2.7.1.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

0.72

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

4

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	Nil

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

35

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.2 - Research Publications and Awards	
3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year	
3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year	
21	
File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File
3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year	
3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year	
8	
File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File
3.3 - Extension Activities	
3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year	
<p>New opportunities are opened for the development of skills and leadership in students by organizing social activities, cultural programs, and awareness programs.</p> <p>The institute has organized a "Constitutional Day and 26/11 Black Day" in which our students, and faculty have actively participated. The institution library has organized "Reading Inspiration Day" on the birth anniversary of Late Dr. A. P. J. Abdul Kalam, which motivates students to get knowledge from the books. The institution has organized a "Tree Plantation Program" to reduce global warming effect and save environment.</p>	

Also organized a voter awareness program "Making our voters empowered, Vigilant, Safe and Informed" under NSS. Institute has organized a program on, "Women Empowerment" under the ICC Cell. And "Shivjayanti" in which our students and faculty actively participated.

The institution library has organized Quiz on the occasion of "Dr. Babasaheb Ambedkar Birth Anniversary". Institute has organized a program on, "Women's Day Celebration" under the ICC, Cell. The institution library has organized E-Quiz competition on "Mahatma Jotiba Phule Jayanti" on the occasion of 195th Birth anniversary. The institution has organized "Swachhata Abhiyan" to give awareness about the cleanliness. Also youth development programs like International Yoga Day in which our students and faculties are participating.

File Description	Documents
Paste link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr3/3.3.1.pdf
Upload any additional information	View File

3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

3

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year(Data Template)	View File
e-copy of the award letters	View File

3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red

Cross/ YRC etc., during the year

18

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	View File

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

845

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.4 - Collaboration

3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

138

File Description	Documents
e-copies of linkage related Document	View File
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	View File

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year

19

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

1. Response:

According to AICTE standards, the institute has suitable facilities, beautiful landscape, aesthetic architecture, environment friendly atmosphere, spacious classrooms, well-equipped laboratories, and good infrastructure.

Land Availability:

The institution has a total of 15 acres of land allocated with occupies 18735 sq. m. of the total area for Academic building. The remaining area is utilized for Parking, playground, hostel, canteen, and other amenities.

Classrooms& laboratories:

The institute provides well-furnished and well-ventilated classrooms & laboratories with proper visibility and audibility. In institute provides 35 laboratories with a proper experimental setup. The classrooms & laboratories have all required facility with Wi-Fi connectivity.

Seminar Hall:

The institute has a 251 sq. m. Seminar Hall where expert lectures, curricular and extracurricular events, etc. can be held. The seminar room have all those facilities which is suggested by AICTE standards.

Workshop:

The institute workshop is fully equipped with 25 no. of machineries. Students are free to carry out their fabrication work. The cost of workshop is 19.34 lakhs.

Central Library:

In library printed titles, volumes, journals and magazines are available. Digital library provides e- resources like e-books, NPTEL video etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr4/4.1.1.pdf

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

1. Response:

The playing area at institutes is enormous and can accommodate several different games. About 35600 square meters of this space is allocated for sports. The institute organizes a variety of sports, games, cultural events, and fun activities throughout the year. The institution's main vision is to encourage the students' multi-talents in other fields along with academics.

Indoor and Outdoor Games:

Various outdoor games like Running, kabaddi, tug-of-war, cricket etc. are arranged on the playground. Indoor games like chess, carom badminton etc are organized in the institute.

Gymnasium:

The institute also offers a spacious gym with best apparatus, including dumbbells, a crossover machine, etc.

Yoga Centre:

The International Day of Yoga has been celebrated annually on 21st June. International Yoga Day aims to promote public awareness of the numerous advantages of practicing yoga globally. Every year, activities for meditation and yoga are conducted in the seminar hall.

Cultural activities:

An open stadium is utilized by the institute for their annual social gathering and state level dance competition Anant Mahotsav. The Stadium has a large seating capacity and a great scenery. The Institute also encourages students to celebrate various events like Independence Day, Yoga day, Shivaji Maharaj Jayanti, Women day etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr4/4.1.2.pdf

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

5

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

11

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr4/4.1.2.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

5130021

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

Library plays a very important role in the curricular development & to satisfy the readers thirst for knowledge. SCSCOE College library is to participate actively in the educational mission of the college through collection and dissemination of information to meet the curricular and general needs of the students, faculty and staff.

Library also has a vital role in acquisition, organization and dissemination of Knowledge.

SCSCOE College library system supports the teaching-learning Process of institute. SCSCOE College library has an exceptional

collection of text books, reference books, general books, journals and magazines, bound volumes, CD-ROMs, online resources and other reading material. Books are classified according to the Dewey Decimal Classification Scheme. Library has excellent infrastructure to meet its requirements, all its operations are computerized using Autolib software and provides access to the collection through OPAC. SCSCOE College library Provide open access system that allows users a direct access to the library collection, book issue return through barcode scanner etc.

It has specialized collections of Books, Journals & Other resources in Sciences, Engineering and Technology. Library has 2889 Book titles 9864 Volumes, National & International Print Journal 30.

The collection includes Books, back Volumes, NPTEL Database, DELNET E-resources, and CDs\ DVDs.

Details of ILMS

Shri Chhatrapati Shivajiraje college of Engineering, Dhangawadi have enabled library with Autolib Library Management Software in 2014 with perceptual License.

Sr.No.

Details of Integrated Library Management System (ILMS)

1

Name of ILMS Software

Autolib

2

Nature of Automation (Fully or Partially)

Fully

3

Version

Autolib-NG

4

Year of Automation

2015

5

Year of Purchase

2014

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://www.rajgad.edu.in/AOAR21-22/Cr4/4.2.1.pdf

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

370896

File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

53.70

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

The Institute has deployed IT infrastructure and Applications development for Academic and Research support. The college has established a high speed campus wide network that connects all its departments consisting of 369 systems.

Internet connectivity and Wi-Fi: The campus has been enabled internet service with 60 MBPS bandwidth with 24x7 supports, providing anytime anywhere access to learning and knowledge resources for students and faculty. Campus is equipped with Wi-Fi facility with 20 Wi-Fi access point. The internet bandwidth is enhanced from 45 Mbps to 60 Mbps over last 5 years

Computer center: The institution has a separate computer center with 65 PC's which is used by students and for conduction of online University examinations.

ICT Tools: The institution has implemented different ICT tools like smart classroom, interactive board, LCD projector, internet, Wi-Fi, Google Application like Google Classroom for sharing teaching material, Google form for conduction of online examination and student's feedback. Google meet, zoom meeting

and Microsoft Team these online platforms are used to conduct webinars and lectures.

Open source: Institution has open source software like Ubuntu 14.04 LTS, 16.04, 18.04, Net beans IDE 6.8, Eclipse, Python 3.6, Flex, Bison, Open JDK 7, My SQL, Firefox 57.5, and Fedora.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.rajgad.edu.in/AOAR21-22/Cr4/4.3.1.pdf

4.3.2 - Number of Computers

307

File Description	Documents
Upload any additional information	View File
Student – computer ratio	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

30.94

File Description	Documents
Upload any additional information	View File
Audited statements of accounts.	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

All physical and academic & support facilities are provided to the students who are admitted in the institute. The institute provides maintenance, cleaning, and write-off committee for smooth operation of all physical, academic, and support facilities. Maintenance and Housekeeping section is divided into different subsections Housekeeping, Electrical Maintenance and Building Maintenance etc.

A.Maintenance:

1.Building Maintenance, services, Plumbing, Sanitary:

The central maintenance committee takes care of the maintenance of civil works such as classrooms, laboratories other related maintenance.

2.Electrical Maintenance:

The electrical installations and maintenance of electrical equipment of the institute is taken care of by the electrical maintenance section. The required electrical material is provided by the central store of the institute.

3.Departmental Equipment and Instrument maintenance:

The laboratory in-charge and laboratory assistant identifies the instruments and equipment which are faulty and required to be repaired. Prepares list of faulty equipment request letter and submit to the principal.

4. Library:

The stock verification is performed once a year. Every semester, the journals are bound together. After inspection, torn books are rebound.

B. Utilization:

All stakeholders can use the computers with internet connections. Support facilities like sports, Gymnasium are utilized by students for regularly.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.rajgad.edu.in/AOAR21-22/Cr4/4.4.2.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

963

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year

474

File Description	Documents
Upload any additional information	View File
Number of students benefitted by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to institutional website	https://www.rajgad.edu.in/AOAR21-22/Cr5/5.1.3.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

294

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

294

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees	A. All of the above
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File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

145

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of students progressing to higher education during the year	
5.2.2.1 - Number of outgoing student progression to higher education	
0	
File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File
5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)	
5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year	
0	
File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File
5.3 - Student Participation and Activities	
5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year	
5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.	
3	

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Under the provision of section 40(2) (b) of the Maharashtra university act, 1994 there shall be a student council 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 to enhance teamwork and leadership qualities.

A committee consists of a chairperson, General Secretary, Sports secretary, Ladies representative and cultural secretary. Notice displayed to invite applications from the interested students 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, and cultural activities. 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.

Sports and Gymkhana Committee: Students from this committee make awareness about sports by organizing various indoor, outdoor games.

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.

File Description	Documents
Paste link for additional information	https://www.rajgad.edu.in/AOAR21-22/Cr5/5.3.2.pdf
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

22

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions) (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

The institute has formed 'Rajgad Dnyanpeeth Technical Campus Alumni Association (RDTCAA)' in the year of 2015. RDTCAA of the institute was registered with Assistant registrar of the society, Pune region Pune. (Registration number, Maharashtra/189/2018/Pune) as per Maharashtra Government rules. 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 utilize the rich experiences of old students of the college for the benefit and progress of the present students 3. To provide guidance to the present students in their endeavour for better

employment and higher studies. 4. To promote the campus placements through the old students working in reputed industries in India and abroad. 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. Following are Alumni benefits for the students: 1. Personality development programme. 2. career-guidance. 3. Industry -Institute interaction. 4. Placement assistance. 5. Sponsorship of Project for final year students. Alumni expressed their willingness to contribute in best possible ways for all over development of the institution.

File Description	Documents
Paste link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr5/5.4.1.pdf
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs) D. 1 Lakhs - 3Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Vision: "Excellent Institution for Education, Training and Research in Engineering."

Mission:

- Develop competent engineers along with professional skills and responsible citizen.
- Foster knowledge and technical skills of the highest standards to develop sustainable engineering solution.
- Prepare engineers to respond to needs of the industry, higher studies and research through industry and institute interaction.

Institute's Governing Body, College Development Committee and Internal Quality Assurance Cell act as a top management for designing and implementation of quality policies. Institute has efficient coordination and internal management system. The Internal Quality Assurance Cell is formulated to ensure the quality enhancement of academic and administrative activities.

The institute has a perspective plan designed keeping in mind the previous experiences, stakeholder suggestions and changing scenario in the field of engineering to enhance the various activities.

Teachers are the most important part of teaching learning process and actively participating in department level meetings and the resolutions are passed on to the Principal for final decision. In addition, faculty members are serving as members of various committees formed at department level and institute level where the decisions and opinions of committee members play crucial role in decision making.

File Description	Documents
Paste link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr6/6.1.1.pdf
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

Institutes management strongly believe in decentralization of authority and participative management including teaching, non-teaching staff and students for proper working of institute. The Principal, Head of Departments, Internal Quality Assurance Cell Committee (IQAC) and Academic Monitoring Committee (AMC) are responsible for academic and administrative leadership of institute. The Principal conducts meeting of various committees to discuss and review academic and administrative issues. Through participative management, various committees are formed for the proper functioning of institute.

Case Study: Training & Placement (T&P) Cell

Training and Placement Cell is an integral part of the institute. Our institute has provided good infrastructure and

other facilities for effective functioning of the T&P Cell. The role of the Training and Placement Department is to facilitate and support students for training and placement related activities. Training activities are organized throughout the year in an effort towards preparing the students for the campus selection programs. T&P Cell conduct regular meetings and approved by Principal, thus the participative arrangements is being followed in decision making. The committee is responsible for the smooth conduction of various training sessions, Alumni Interaction, Campus Placement Programs, Industry institute interaction and provide basic insights of Entrepreneurship.

File Description	Documents
Paste link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr6/6.1.2.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

As per Institution strategic plan institute enterprise interacts with the industry by signing number of MoU's to give wide exposure to student through internship, industry sponsored projects, seminars, workshops etc. which will help to student to enhance skill sets and become an industry ready personal to grab the opportunities such as internship, placement etc. In line with this institute strategy, institute established relation with many companies, NGO, and Institutes e.g. TE Connectivity India Private Limited, Shirwal by signing MoU and conducted activities to explore industrial knowledge of student. As a part of this, to create awareness among the students regarding recent trends and practices in industrial automation field, the T&P Cell organized 5 days Workshop on 'PLC & SCADA Automation' for the students of E&TC and Mechanical engineering department. In line with this, to enhance industry-institute collaboration, internship is provided to 20 students successfully completed to get exposure of industry work as well as the job opportunity is also made for the students by T&P cell, in-campus placement drive activity is also conducted. As a result of this, TE Connectivity India Private Limited offer placement for ten students from E&TC and Mechanical engineering department.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr6/6.2.1.pdf
Upload any additional information	View File

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Organogram-

Governing body which is monitor by management and constituted as per guidelines of competent authorities; plays key role in policy making and verifying the reports through secretary and correspondent. Statutory body such as IQAC cell is an important part of organization which is responsible to maintain quality of education of Institution. Various committees comprising of faculty member and administrative staff are involved in planning and implantation, academic and evaluation. The academics, administrative departments, different functional committees/cells consisting faculty members and students are lead by Principal, Deans and HOD's. As per requirement and benefits of institution, governing body takes the decision and the same has executed through the Principal and Heads of academics and Administration. College has different cells to conduct activities and programs as per the guidelines of IQAC cell. The cells like Academic Monitoring Cell (AMC), Research and Development (R and D), Industry Institute Interaction Cell (IIIC), Entrepreneurship Development Cell (EDC), Examination cell, Anti-ragging cell, Alumni cell, National Social Service Cell (NSS), Grievance redressal cell etc. are functioning at institute level. All the HOD's along with teaching and non-teaching staff works in coordination with AMC. Office superintendent (OS) leads various administrative sections.

File Description	Documents
Paste link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr6/6.2.2.pdf
Link to Organogram of the Institution webpage	https://rajgad.edu.in/igac.php#organogram
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

Rajgad Dnyanpeeth's, Shri Chhatrapati Shivajiraje College of Engineering provides welfare facilities and services for teaching and non-teaching staff at workplace for continuous improvement in the work are as follows:

1. 10 full days or 20 half days Medical leave per year and 70 days per year for Teaching staff ad 30 days per year for non-teaching staff vacation leave is provided
2. On Duty leave of 10 days per Academic Year is provided to attend workshops, seminars, FDP's, conferences and university examination duties for all teaching and non-teaching staff.
3. Special Study Leave to pursue higher education.
4. 15 days Marriage leave is given to all teaching and non teaching staff.

5. The institute has provides Doctor on call facility whenever there is a medical emergency in institute.
6. Institute provides maternity leave to the female staff according to the norms.
7. As per the provisions of provident fund act, institute contributes to Provident Fund.
8. Our Institute provided free uniform to non-teaching staff.
9. Wi-Fi campus facility is made available for Teaching, Non Teaching staff and Students.
10. Institution provides free transport facility to all non teaching staff and in concessional rate to Teaching Staff .
11. Faculty members opting to stay in hostel are given free accommodation.

File Description	Documents
Paste link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr6/6.3.1.pdf
Upload any additional information	View File

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

3

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

6

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

29

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

Institution has Performance Appraisal System for teaching and

non-teaching staff. In this system, the performances are classified into three categories

1. Teaching, Learning and Evaluation related activities
2. Co-Curricular, Extension and Professional Development related activities
3. Research and Development Contribution

At the end of each academic year, the data pertaining to the above categories are collected from each faculty member in the Self Appraisal Form along with self evaluation. Based on the data collected, API scores are calculated for each of the three categories through Evaluating Authority (EA) is the HoD and the Reviewing Authority (RA) is The Head of Institution (Principal). The EA shall verify all the information, by supporting proofs before commenting on the performance. These scores are used for the award of career advancements to faculty members.

The performance of non-teaching staff is evaluated by HOD on the basis of Regularity and punctuality, Cooperation and coordination, Accuracy in work, Neatness and tidiness of work, Involvement in departmental and Institute activity, Job knowledge and skills, Computer literacy, Quality in work and Understanding of job responsibilities in terms of marks/grade and finally, remark on the Appraisal and Assessment by the Principal is done.

File Description	Documents
Paste link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr6/6.3.5.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

Internal Audit is performed by officials deputed from Rajgad Dnyanpeeth Trust office periodically and the reports are obtained before conduct of the external audit which is normally done after the closure of the accounts in all respects. The recent internal audit of the Institution is carried out on 30th

June 2022 for the period of 1 April 2021 to 31 March 2022 (financial year 2021-22). 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 and Company. The external auditor conducts statutory audit at the end of financial year. The recent external audit is conducted on 07th November 2022 (financial year 2021-22). 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.

File Description	Documents
Paste link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr6/6.4.1.pdf
Upload any additional information	View File

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

0.405

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

The Rajgad Dnyanpeeth's, Shri Chhatrapati Shivajiraje College

of Engineering is self financed unaided private institute. The prime source of income for institute is fees received from student, reimbursements of student scholarship by State Government, bank interest received and other miscellaneous income like Fine, Certificate Charges, Hostel Fine etc. The Institute Management has a well-defined procedure to monitor effective and efficient utilization of available resources for infrastructure development. As per policy, the institute utilizes available resources. Institute has well developed and equipped workshop through which funds can be generated by serving client demands. Requirements such as furniture, maintenance etc. of nearby schools, colleges and institutions are fulfilled through institute workshop itself. As per proposal, under the guidance of head of institute, workshops in charge in consult with store incharge prepares quotation and submit to client. After getting clearance from client, workshop incharge fulfill the requirement of client as per proposal. As per the quotation, client disburses the amount to institute. Account officer verify it and inform to head of institute. The store incharge verifies the workshop expenses periodically like expenditure on material, machines etc. workshop incharge submit the report of the same to store incharge.

File Description	Documents
Paste link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr6/6.4.3.pdf
Upload any additional information	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Practice 1: Online Teaching Learning Process-

Regular meetings of IQAC are conducted under the chairmanship of Principal with agenda and suggestions are taken from all the members of IQAC. All the teachers are encouraged to use Google Classroom and instructed to create classroom for their courses for improvement and better implementation of curriculum. Teachers are encouraged to upload timetable, teaching plan, study material, PPT, assignment, quiz, animation/NPTEL videos, MCQ's, Unit test, university question papers etc. enable the interaction to be very effective 24x7

access for learning purpose at any time, round the clock between students and the teachers in the classroom. Each faculty done Continuous Assessment on the basis of Attendance, Unit test, Assignments and performance in laboratory for every course in each semester and prepared the course attainment.

Practice 2: Student Development Programs

All departments and committess have been conducting various workshops/ SDP/ Training Programs/ Seminar/ Guest/Expert lectures etc. for the growth of students is made to give academic, curricular, extra-curricular, technical and professional exposure all round the year.

File Description	Documents
Paste link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr6/6.5.1.pdf
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

IQAC monitors and reviews the teaching learning process, structures and methodologies of operations and learning outcomes regularly.

1. Academic Monitoring System-

Academic Monitoring Committee (AMC) is Institute level committee responsible to regulating and implementing different academic activities for delivering effective teaching learning process. AMC is headed by Academic Coordinator along with department coordinator. Academic Monitoring System under AMC conduct performance evaluation of continuous evaluation process, add-on facilities, quality assurance, attendance and teacher guardian scheme. The AMC committee will check the all academic records of faculty ensuring the consistency to the dates mentioned in the academic calendar for conducting various activities by each department.

2. Academic and Administrative Audit

The Institute takes Academic and Administrative Audit (AAA) of each department every year through IQAC to evaluate the performance and give suggestions for further improvement of the quality of teaching, research, curricular and extra-curricular and administration activities. The external auditors evaluate each department AAA considering curricular, teaching learning and evaluation, feedback, research, innovation, publication, collaborations and linkages, student progression, activity conducted / organized and achievements sections and give the recommendations further improvement.

File Description	Documents
Paste link for additional information	https://www.rajgad.edu.in/AQAR21-22/Cr6/6.5.2.pdf
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

B. Any 3 of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://rajgad.edu.in/iqac.php#annualreports
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Institution shows gender sensitivity in providing facilities such as

a) Safety and Security

b) Counseling

c) Common Room Response:

1. Safety and Security

For the protection and security of female, the institution has established an Internal Complaint Committee.

The institution has established a dedicated women's development cell under the direction of Prof. J. G. Kale.

The following are the functions and responsibilities

- To carry out awareness campaigns that emphasize women's rights, women's empowerment women's welfare laws.
- To emphasize the value of health and cleanliness
- To influence women's place in society.

2. Counseling

For personal counseling on a need basis, the Institute offers mentoring sessions for every student in every department. The sessions cover topics like stress management, self esteem issues, lack of motivation, time management, friendship issues, emotional issues, behavioral issues, adjustment issues, etc.

3. Common Room

The institution has common areas that are available to female students and staff only. These are furnished with tables, chairs, beds, drinking watercoolers, and restrooms. Posters of role models for women are also present in the common area to raise awareness among students.

In order to enhance hygiene, sanitary incinerators are built in the restrooms for female students and female workers.

File Description	Documents
Annual gender sensitization action plan	https://www.rajgad.edu.in/AQAR21-22/Cr7/7.1.1.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://www.rajgad.edu.in/AQAR21-22/Cr7/7.1.1.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

B. Any 3 of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

1. Solid waste management

The solid waste (Dry waste) such as paper, pens, chalks etc. is deposited at each floor dustbins. There is daily 30 kg Food Waste generated in college canteen and is utilized for biogas plant. The bio gas plant is having volume of 2.2 m³ and gas holding capacity of 1.68 m³.

2. Liquid Waste

The waste water from wash basin, urinals, toilets, water cooler etc. is collected in a septic tank of capacity 240000 lit

3. Bio-medical waste management

The Bio medical waste like sanitary pads in the institute is disposed with the help of Incinerator which are located in each floor woman's wash room area as well as in Girls Common room washroom. .

4. E-waste management

E-waste like memory chips, mouse, cables, compact discs, cartridges, cables, switches etc. is collected in E-waste bin. The collected E-waste is given to authorized dealers for reuse and dispose.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	https://www.rajgad.edu.in/AQAR21-22/Cr7/7.1.3.pdf
Any other relevant information	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

B. Any 3 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include	
7.1.5.1 - The institutional initiatives for greening the campus are as follows: <ol style="list-style-type: none"> 1.Restricted entry of automobiles 2.Use of Bicycles/ Battery powered vehicles 3.Pedestrian Friendly pathways 4.Ban on use of Plastic 5.landscaping with trees and plants 	A. Any 4 or All of the above
File Description	Documents
Geo tagged photos / videos of the facilities	View File
Any other relevant documents	View File
7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution	
7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	A. Any 4 or all of the above
File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File
7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts	A. Any 4 or all of the above

Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
Any other relevant information	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

Institution provides a comprehensive atmosphere for everyone with harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities. Different sports and cultural activities organized inside the college promote congruence towards each other.

Commemorative days like Women's day, Yoga day along with many regional festivals, Jayanti's like Shivjayanti, Mahatma Phule Jayanti, Dr.Ambedkar Jayanti, etc are celebrated in the college. This establishes positive collaboration among people of different ethnic and cultural backgrounds. There are different grievance redressal cells in the institute like Student grievance redressal cell, women grievance redressal cell which deal with grievances without considering anyone's cultural or traditional background.

Dr. A.P.J. Abdul Kalam, birth anniversary is celebrated as 'Reading Inspiration Day' for staff and students to inculcate inspiration about books which make mind potent yet serene, this also leads to incorporate linguistic as well as socioeconomically behavior in institution.

Transport Facility is available for Students and Staff regularly. All these facilities are provided irrespective of their caste, creed, color, sex or socioeconomic background. Institute has code of ethics for students and a separate code of ethics for staff which has to be followed by each one of them regardless of their cultural, regional, linguistic, communal socioeconomic and other diversities.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	View File

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

RD'S SCSCOE focuses on preparing sound academic foundation of students as well as develop them as a better citizen of the country. In this regard, few practices and activities are conducted.

National Anthem: The day of institute starts with National anthem. Every day at 10:00 am National anthem is played in the institute.

Independence Day: On 15th August every year institute celebrates Independence Day with pride and enthusiasm. This year institute celebrated Independence Day as an "AZADI KA AMRIT MAHOTSAV". The day is scheduled with events which start with flag hoisting and speech by the chief guest.

Constitution Day: The Constitution day that is Samvidhana divas is celebrated every year on 26th November in the institute. On this day tribute is given to the Dr. B. R. Ambedkar and constitution is recited by in the program.

Voter's Day: 25th January is celebrated as Voter's day to encourage more young voters to take part in the political process. On behalf of Voter's day, all the staff members took an oath to vote on the polling day.

Republic day: Republic day is celebrated with great enthusiasm on 26th January.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	View File
Any other relevant information	View File

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized

A. All of the above

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Institution celebrates various national and international commemorative days, events and festivals as follows.

1. Independence Day: Institute celebrates the Independence Day every year. Principal hosts the flag and conveys speech emphasizing about the connotation of Independence Day to students and staff.

2. Republic Day: Our Institute celebrates Republic Day.

Principal host the flag and delivers speech highlighting about the significance of republic day to students and staff.

3. International Women's Day: Celebrated International Women's Day on 8th March 2021. Women's Redressal Cell has taken lead in organizing the function in which all women faculties and Guests participates.

4. Dr. Babasaheb Ambedkar Jayanti-Celebrated Dr. Babasaheb Ambedkar Jayanti- as he struggled for equality throughout his life.

5. International Yoga Day: The International Day of Yoga has been celebrated annually on 21st June . Yoga is a physical, mental and spiritual practice.

6. Savitribai Phule Jayanti- Institute has celebrated Savitribai Phule Jayanti Savitribai prominent social reformer and educationist in India.

7. National Voter's Day- In order to encourage more young voters to take part in the political process,

8. Constitutional Day and 26/11 Black Day- Celebrated to commemorate the adoption of the Constitution of India and tributes to victims of 26/11 terrorist attack

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

7.2.1 Best Practices

1. Best Practice I: Reach to Unreached

Objective: To emphasis the importance of higher education to students and parents in village area. **Context:** The students from rural area are needed to have Guidance regarding higher education and carrier opportunities.

The practice: Our staffs to guide to rural area students regarding higher education and carrier opportunities open to them.

The process: Our staff goes to remote villages with permission and creates awareness regarding higher education by providing information.

Evidence of success: This practice proved very successful in creating awareness about higher education among students at villages. Total 60 students are enrolled for Engineering in our institute through this practice.

Problems Encountered: Waiting period for the permission by Grampanchayats and Challenges of Covid.

1. Best Practice II: Project Competition

Objectives of the Practice: To enhance technical skill and professional skill among students.

Context: Providing platform for students to show their technical skill and creativity.

The Practice: Students present their project on competition day. Panel evaluates and declare best project as winner.

Evidence of Success: Total 45 Projects were presented Competition held in A.Y. 2021-22.

Problems Encountered: Mismatch of schedule of resource persons.

File Description	Documents
Best practices in the Institutional web site	View File
Any other relevant information	View File

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

7.3.1 Institute Distinctiveness: Anant-Nirmal Scholarship

Anant-Nirmal Scholarship Scheme is sanctioned by management on 12/7/2013 in response to the request letter by the institute head and 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 2021-22, Total 474 (Four Hundred seventy Four) students are benefited by concession of total amount Rs.1, 08, 24,379/- (Rs.One crore eight lacs twenty four thousands three hundred and seventy nine only) through this Scheme to economically weaker students. Institute has been providing scholarship to eligible students in each academic year since from 2013-14.

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

Rajgad Dnyanpeeth, Shree Chhatrapati Shivajiraje College of Engineering (SCSCOE) is established, in 2009, under the visionary leadership of Mr. Anantrao Thopte, who is 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 fulfill the vision, SCSCOE is working with the following plan of action.

1. Institute is accredited by NAAC with B++ grade in January, 2020 and is valid for five years.
2. The institute is also ISO 9001:2015 certified in 2021-22.
3. Increase linkages with nearby industries of the campus, Multinational companies and reputed educational Institutes
4. Establishing Centers 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.
5. Arrange hands training on latest technology through industry persons.
6. Strengthen the activities of career guidance cell
7. Increase the Sports, Social and Cultural cell activities to create awareness of the Self fitness and societal value.

Institute is also planning for NBA accreditation, once NBA accreditation is obtained, the institute plans to add two more branches emerging areas like Data science, Artificial Intelligence and Robotics.