



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

|   |   |
|---|---|
| <b>1. Name of the Institution</b>             | KASEGAON EDUCATION SOCIETY'S<br>RAJARAMBAPU INSTITUTE OF TECHNOLOGY |
| Name of the head of the Institution           | Dr. Mrs. Sushma Shekhar Kulkarni                                    |
| Designation                                   | Director  |
| Does the Institution function from own campus | Yes   |
| Phone no/Alternate Phone no.                  | 02342220329   |
| Mobile no.                                    | 9970700710  |
| Registered Email                              | director@ritindia.edu   |
| Alternate Email                               | iqac@ritindia.edu   |
| Address                                       | Rajaramnagar, Islampur, Tal.Walwa,<br>Dist. Sangli                  |
| City/Town                                     | Islampur  |
| State/UT                                      | Maharashtra   |
| Pincode                                       | 415414  |

| <b>2. Institutional Status</b>  |   |      |                                       |             |             |
|---|---|------|---------------------------------------|-------------|-------------|
| Autonomous Status (Provide date of Conformant of Autonomous Status)       | 13-Oct-2017   |      |                                       |             |             |
| Type of Institution   | Co-education  |      |                                       |             |             |
| Location  | Rural   |      |                                       |             |             |
| Financial Status  | Self financed   |      |                                       |             |             |
| Name of the IQAC co-ordinator/Director                                    | Dr. Satyajit R. Patil   |      |                                       |             |             |
| Phone no/Alternate Phone no.  | 02342220329   |      |                                       |             |             |
| Mobile no.  | 9970700710  |      |                                       |             |             |
| Registered Email  | director@ritindia.edu   |      |                                       |             |             |
| Alternate Email   | iqac@ritindia.edu   |      |                                       |             |             |
| <b>3. Website Address</b>   |   |      |                                       |             |             |
| Web-link of the AQAR: (Previous Academic Year)                            | <a href="https://www.ritindia.edu/images/PDF/RITAOAR2018-19.pdf">https://www.ritindia.edu/images/PDF/RITAOAR2018-19.pdf</a>                 |      |                                       |             |             |
| <b>4. Whether Academic Calendar prepared during the year</b>              | Yes   |      |                                       |             |             |
| if yes,whether it is uploaded in the institutional website:<br>Weblink :  | <a href="https://www.ritindia.edu/index.php/academics/academic-calendar">https://www.ritindia.edu/index.php/academics/academic-calendar</a> |      |                                       |             |             |
| <b>5. Accrediation Details</b>  |   |      |                                       |             |             |
|   |   |      |                                       | Validity    |             |
| Cycle   | Grade   | CGPA | Year of Accrediation                  | Period From | Period To   |
| 1   | A   | 3.10 | 2016                                  | 05-Nov-2016 | 04-Nov-2021 |
| <b>6. Date of Establishment of IQAC</b>                                   |   |      | 16-Feb-2016                           |             |             |
| <b>7. Internal Quality Assurance System</b>                               |   |      |                                       |             |             |
| Quality initiatives by IQAC during the year for promoting quality culture |   |      |                                       |             |             |
| Item /Title of the quality initiative by IQAC                             | Date & Duration   |      | Number of participants/ beneficiaries |             |             |

|  |                  |    |
|--|------------------|----|
| One day workshop on  | 13-Jul-2019<br>1 | 23 |
| AICTE sponsored One Week Faculty Development Program on Assuring Success of Engineering Students | 04-Nov-2019<br>5 | 33 |
| <a href="#">View File</a>  |                  |    |

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

| Institution/Department/Faculty          | Scheme   | Funding Agency   | Year of award with duration | Amount  |
|---|----------|------------------|-----------------------------|---------|
| MODROB Grant<br>Civil Engineering       | Research | AICTE, New Delhi | 2020<br>730                 | 1163474 |
| AICTE - ISTE Induction / Refresher Pro. | Workshop | AICTE, New Delhi | 2020<br>7                   | 8655    |
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**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View File](#)

**10. Number of IQAC meetings held during the year :**

5

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

Yes

Upload the minutes of meeting and action taken report

[View File](#)

**11. Whether IQAC received funding from any of the funding agency to support its activities during the year?**

No

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

- IQAC has prepared one page strategic plan for AY 201920.
- IQAC has conducted AICTE sponsored One Week Faculty Development Program on 'Assuring Success of Engineering Students' from 04/11/2019 to 08/11/2019.
- IQAC has prepared the post COVID19 rehabilitation plan for the Institute.
- The Fiveweek virtual internship for national and international students under GEDC (Global Engineering Dean's Council) is proposed during JuneJuly 2020.

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

| Plan of Action   | Achivements/Outcomes   |
|--|--|
| To prepare One Page Strategic Plan for AY 201920 and implement it.   | The One Page Strategic Plan is prepared and implemented.   |
| To prepare and submit the AQAR for AY 2018-19.   | The AQAR for AY 2018-19 was prepared and submitted to NAAC office on 27 October 2020.  |
| To apply for NBA Accreditation of 2 UG programs (Automobile Engineering and Mechanical Engineering) for extension.   | NBA Team visited institute on 15 February 2020 and the extension for three years was sanctioned by NBA.  |
| To apply for NBA accreditation of two PG programs (Structural Engineering and Thermal Engineering) and three Diploma programs (Electrical Engineering, Civil Engineering, and Mechanical Engineering). | The SAR was submitted to NBA portal and the committee shall visit RIT campus for the evaluation purpose.   |
| To conduct AICTE sponsored One Week Faculty Development Program on 'Assuring Success of Engineering Students'.   | IQAC has conducted AICTE sponsored One Week Faculty Development Program on 'Assuring Success of Engineering Students' from 04/11/2019 to 08/11/2019.   |
| To strengthen the OBE by focusing on active learning and problem/project based delivery and assessment.  | Center of Teaching Learning (RIT-CTL) organized one week Faculty Development Programme on "Effective Teaching Learning and Outcome Based Education" from 04/11/2019 to 08/11/2019. The smart boards deployed to help the delivery and assessment process. As a part of smart classrooms initiative, institute shall plan deployment and usage of MKCL's (Maharashtra Knowledge Commission Ltd.) Clicker System for F. Y. Classrooms. |
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**14. Whether AQAR was placed before statutory body ?**

Yes

| Name of Statutory Body | Meeting Date |
|------------------------|--------------|
| IQAC                   | 28-May-2021  |

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

Yes

|  |   |
|--|---|
| Date of Visit  | 15-Feb-2020   |
| <b>16. Whether institutional data submitted to AISHE:</b>  | Yes   |
| Year of Submission   | 2020  |
| Date of Submission   | 20-Jan-2020   |
| <b>17. Does the Institution have Management Information System ?</b>                             | Yes   |
| If yes, give a brief description and a list of modules currently operational (maximum 500 words) | The Institution has own ERP software for the Management Information System. RIT is using a strong management information system for smooth functioning of all activities. We have developed inhouse strong ERP system which is utilized by Establishment section, Students section and Accounts section. It is beneficial for both staff as well as for students. Our vendors are also get benefits due to management information system which is resulting in fast services to them. Following modules are available in MIS system. 1. ERP system in Establishment section 2. ERP system in Accounts section 3. ERP system in Student section. |

## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

| Name of Programme         | Programme Code | Programme Specialization     | Date of Revision |
|---------------------------|----------------|------------------------------|------------------|
| BTech                     | AE             | S. Y. Automobile Engineering | 02/07/2019       |
| BTech                     | CE             | S. Y. Civil Engineering      | 02/07/2019       |
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

| Programme with Code | Programme Specialization | Date of Introduction | Course with Code                 | Date of Introduction |
|---------------------|--------------------------|----------------------|----------------------------------|----------------------|
| BTech               | Civil Engineering        | 15/07/2019           | SH1831 English Proficiency Lab I | 15/07/2019           |

|                           |                   |            |  |            |
|---------------------------|-------------------|------------|--|------------|
| BTech                     | Civil Engineering | 15/07/2019 | SH1582<br>Japanese Language Lab<br>Level I | 15/07/2019 |
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## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the Academic year

| Programme/Course  | Programme Specialization | Dates of Introduction |
|-------------------|--------------------------|-----------------------|
| Mtech             | NIL                      | 02/07/2019            |
| BTech             | NIL                      | 02/07/2019            |
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### 1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

| Name of programmes adopting CBCS | Programme Specialization                            | Date of implementation of CBCS/Elective Course System |
|----------------------------------|---|---|
| BTech                            | Mechanical Engineering<br>Automobile                | 02/07/2019  |
| BTech                            | Automobile Engineering                              | 02/07/2019  |
| BTech                            | Civil Engineering                                   | 02/07/2019  |
| BTech                            | Computer Engineering                                | 02/07/2019  |
| BTech                            | Electrical Engineering                              | 02/07/2019  |
| BTech                            | Electronics and<br>Telecommunication<br>Engineering | 02/07/2019  |
| BTech                            | Mechanical Engineering                              | 02/07/2019  |
| Mtech                            | Mechanical Engineering<br>Automobile                | 26/08/2019  |
| Mtech                            | Automobile Engineering                              | 26/08/2019  |
| Mtech                            | Construction Management                             | 26/08/2019  |
| Mtech                            | Structural Engineering                              | 26/08/2019  |
| Mtech                            | Computer Science &<br>Engineering                   | 26/08/2019  |
| Mtech                            | Electrical Power System<br>and Power Electronics    | 26/08/2019  |
| Mtech                            | Embedded System and<br>VLSI Design                  | 26/08/2019  |
| Mtech                            | Mechanical-<br>Manufacturing Engineering            | 26/08/2019  |
| Mtech                            | Mechanical Engineering<br>(Thermal Engg)            | 26/08/2019  |
| Mtech                            | Mechanical Engineering                              | 26/08/2019  |
| MBA                              | MBA   | 16/09/2019  |

## 1.3 – Curriculum Enrichment

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

| Value Added Courses                             | Date of Introduction | Number of Students Enrolled |
|---|----------------------|-----------------------------|
| SH551 Technical Communication                   | 02/07/2019           | 8                           |
| SH2592 Personal Effectiveness Body Language Lab | 02/07/2019           | 34                          |
| <a href="#">View File</a>                       |                      |                             |

### 1.3.2 – Field Projects / Internships under taken during the year

| Project/Programme Title   | Programme Specialization | No. of students enrolled for Field Projects / Internships |
|---------------------------|--------------------------|---|
| BTech                     | Automobile Engineering   | 103   |
| BTech                     | Civil Engineering        | 70  |
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## 1.4 – Feedback System

### 1.4.1 – Whether structured feedback received from all the stakeholders.

|           |     |
|-----------|-----|
| Students  | Yes |
| Teachers  | Yes |
| Employers | Yes |
| Alumni    | Yes |
| Parents   | Yes |

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

| Feedback Obtained   |
|---|
| <p><b>Students:</b> The academic audit is an activity to ascertain the degree of the teaching-learning process occurring at Institute level. It captures the classroom dynamics in the form of delivery effectiveness, the learning experience of students with different learning preferences and styles, factors that hinder the effectiveness of both teaching and learning. The audit is designed to capture the seven important dimensions of teacher namely course content, complex topics, opportunities for raising doubts, confidence and interest getting created in the course, evaluations, learning by doing and connect to the content learn(theory) to outside practices (application). The faculties having less Student Learning Index (SLI) are sorted out and report is sent to Dean Academics office, where brief report is prepared to comprise average SLI of the institute, average teaching index of each teaching dimensions, percentage of faculty distribution in the range of teaching index and department wise faculty lying between 0-50 percent in teaching dimensions. The faculties with less SLI than par value prepares an action plan for improvement, which is reviewed and approved by the concerned HOD. The faculty is counselled by the committee. After this process follow-up for improvement of the concerned faculty is planned by the HOD and follow-up counselling of faculty is carried by HOD and follow -up counselling report with HOD's report to Dean Academic for further process. <b>Teachers:</b> The feedback from the teachers is collected on the different aspects of the institute development. The feedback is obtained and analysed on Office Administration, Infrastructure Development, Relationship, Library Services, and Job Satisfaction. <b>Employer:</b> During the hiring process, we are taking feedback about performance of students from HRs. Also faculty members are visiting industries for review of Internship track students, where they are getting inputs about various recent</p> |

technological updates. Based on this feedback, following measures we have taken -

- We are giving company specific training as well as aptitude tests to all students, more focus is also given on Coding Skills. Further, we are conducting frequent Mock Interviews from technical and HR point of view.
- We are sharing our observations/inputs which we have got from the Industries to Head of Departments which further taken care of improvement of technical content in the curriculum.

Alumni: Feedback from alumni is taken on various points like education in RIT prepared for their career, quality time at the RIT, been intellectually enriching, teacher-student interaction at RIT, administrative offices convenience, sports and extra curricular activities at RIT, etc during alumni meet in every year. Also feedback is taken at the time of graduation ceremony

Parent: At the department level, PTA is formed and parents meet conducted. Feedback is taken into consideration for improvement in the attendance system, WhatsApp group formation, required help to study the students, scholarships, etc. All parents were invited to let them aware of different Institutional policies and inform them about different co-curricular and extra-curricular activities which the Institute is organizing for the overall development of students. This feedback is taken into consideration of every HOD ATR made for implementation.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

| Name of the Programme | Programme Specialization | Number of seats available | Number of Application received | Students Enrolled |
|-----------------------|--------------------------|---------------------------|--------------------------------|-------------------|
| BTech                 | Civil Engineering        | 60                        | 91                             | 60                |
| BTech                 | Computer Engineering     | 120                       | 190                            | 120               |

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### 2.2 – Catering to Student Diversity

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

| Year | Number of students enrolled in the institution (UG) | Number of students enrolled in the institution (PG) | Number of fulltime teachers available in the institution teaching only UG courses | Number of fulltime teachers available in the institution teaching only PG courses | Number of teachers teaching both UG and PG courses |
|------|---|---|---|---|--|
| 2019 | 2197  | 447   | 144   | 32  | 176  |

### 2.3 – Teaching - Learning Process

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

| Number of Teachers on Roll | Number of teachers using ICT (LMS, e-Resources) | ICT Tools and resources available | Number of ICT enabled Classrooms | Number of smart classrooms | E-resources and techniques used |
|----------------------------|---|-----------------------------------|----------------------------------|----------------------------|---------------------------------|
| 176                        | 176   | 15                                | 35                               | 9                          | 15                              |
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#### 2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)



Student mentoring system commences in the institute from First year B. Tech. Each class is divided into three batches and mentors are allotted from respective departments to each batch. The faculty mentor is continued till final year. Senior faculties of respective departments are working as mentors. Mentor mentee introduction occurs during the induction program and the list of mentors with their contact details are given in a handbook which is distributed to students. Mentors interact with their mentees regarding their performance in academics, stress/fear or any other personal or general problem students are facing and provide them proper counseling and also conveying the problem to the concerned authority to find possible solutions. This year an online portal has been developed in which students have to fill all Personal Information of Student, Family Details, Academic, Career Counselling, Achievements in co-curricular and extra curricular Activities. In the form a student is asked to fill in if other support needed Regarding Subject / Communication. personal problems Faculty are allotted with the students on RITAGE. Faculty has to conduct the meeting with students and put the remarks online on Students Mentoring Form. The form particulars are (per student): Meeting Date, Positive point, Negative points, Action Taken, Improvement after meeting. Thus close loop is maintained. Faculty counsel students, if any critical case, then Faculty recommend the students for counseling by Professional Counselor by forwarding the details to Head Counseling Cell through an online portal. Head counseling cell arranges the appointment of students with a Professional Counselor. Professional Counselor counsel the students and help students to resolve the problems. Record of all data is made available on RITAGE portal. Professional Counselor maintains the register of counseling sessions. It is ensured to students that all discussion will be kept confidential. The Student Mentoring system is continued till final year. One mentor for one batch from First year to final year which builds the bond between Mentor and students. In the institute the environment is created in such a way that every faculty plays a role of mentor. Faculty is ready to help the students as and when demanded by students. The structure of Counseling Cell consists of: Director, Dean Student Development, Head Counseling Cell, Head of all Department, Class monitors as a counselor.

|  |                             |                       |
|--|-----------------------------|-----------------------|
| Number of students enrolled in the institution | Number of fulltime teachers | Mentor : Mentee Ratio |
| 586  | 27                          | 1:22                  |

## 2.4 – Teacher Profile and Quality

### 2.4.1 – Number of full time teachers appointed during the year

| No. of sanctioned positions | No. of filled positions | Vacant positions | Positions filled during the current year | No. of faculty with Ph.D |
|-----------------------------|-------------------------|------------------|--|--------------------------|
| 200                         | 109                     | 91               | Nil                                      | 44                       |

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

| Year of Award | Name of full time teachers receiving awards from state level, national level, international level | Designation | Name of the award, fellowship, received from Government or recognized bodies   |
|---------------|---|-------------|--|
| 2019          | Dr. Mrs. Kulkarni<br>Sushma Shekhar   | Director    | 2019 IFEES Duncan Fraser Global Award" for Excellence in Engineering Education IFEES (International Federation for engineering education societies) and GEDC (Global Engineering Deans Council |
| 2019          | Dr. Mrs. Kulkarni<br>Sushma Shekhar   | Director    | Institutional Leadership Award Seventh   |

International  
Conference on  
Transformations in  
Engineering  
Education (ICTIEE),  
Hyderabad

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## 2.5 – Evaluation Process and Reforms

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

| Programme Name | Programme Code | Semester/ year | Last date of the last semester-end/ year-end examination | Date of declaration of results of semester-end/ year- end examination |
|----------------|----------------|----------------|--|---|
| BTech          | CE             | Sem-I          | 29/11/2019   | 10/12/2019  |
| BTech          | AE             | Sem-I          | 29/11/2019   | 10/12/2019  |

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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

| Number of complaints or grievances about evaluation | Total number of students appeared in the examination | Percentage |
|---|--|------------|
| Nil   | 854  | 0%         |

## 2.6 – Student Performance and Learning Outcomes

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

<https://www.ritindia.edu/images/DeptPOPEO/PO-PSO-CO-AllProgram-2019-20.pdf>

2.6.2 – Pass percentage of students

| Programme Code | Programme Name | Programme Specialization | Number of students appeared in the final year examination | Number of students passed in final year examination | Pass Percentage |
|----------------|----------------|--------------------------|---|---|-----------------|
| CE             | BTTM           | CIVIL                    | 73  | 72  | 98.63           |
| AE             | BTech          | AUTO                     | 84  | 81  | 96.42           |

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## 2.7 – Student Satisfaction Survey

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

<https://www.ritindia.edu/images/IQAC/NAAC-Online-Students-Satisfaction-Survey-2019-20.pdf>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes

Name of the teacher getting seed money

Dr. S. K. Patil

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### 3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

| Type              | Name of the teacher awarded the fellowship | Name of the award | Date of award | Awarding agency |
|-------------------|--|-------------------|---------------|-----------------|
| National          | Nil  | Nil               | 01/07/2019    | Nil             |
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### 3.2 – Resource Mobilization for Research

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

| Nature of the Project     | Duration | Name of the funding agency   | Total grant sanctioned | Amount received during the year |
|---------------------------|----------|--|------------------------|---------------------------------|
| Major Projects            | 365      | Institutions Innovation Council (Ministry of HRD Initiative), Reva University, Bangalore | 1                      | 0.5                             |
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#### 3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

0.062

### 3.3 – Innovation Ecosystem

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

| Title of workshop/seminar   | Name of the Dept.                         | Date       |
|---|---|------------|
| Two days webinar on Research Paper Writing and Intellectual Property Rights | Electronics Telecommunication Engineering | 18/05/2020 |
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#### 3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

| Title of the innovation              | Name of Awardee    | Awarding Agency                        | Date of award | Category           |
|--------------------------------------|--------------------|--|---------------|--------------------|
| InSc Research, Excellence Award 2020 | Prof. P. B. Salgar | Institute of Scholars Bangalore (InSc) | 01/01/2020    | National (Teacher) |

|                            |                   |                                |            |                 |
|----------------------------|-------------------|--------------------------------|------------|-----------------|
| Best researcher Award 2019 | Prof. P. S. Patil | ISTE Chapter, RIT Rajaramnagar | 09/05/2019 | Local (Teacher) |
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### 3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

| Incubation Center | Name                   | Sponsored By           | Name of the Start-up    | Nature of Start-up     | Date of Commencement |
|-------------------|------------------------|------------------------|-------------------------|------------------------|----------------------|
| RIT-TBI           | Mr. Akshay Kolap       | AICTE-SMARIDDHI Scheme | J.K Paper bags          | Manufacturing          | 19/07/2019           |
| RIT-TBI           | Mr. Ranjeet Molke      | AICTE-SMARIDDHI Scheme | Farmbuzz                | Agriculture            | 19/07/2019           |
| RIT-TBI           | Mr. Shubham Pawar      | AICTE-SMARIDDHI Scheme | Evoke Technology        | Electronics            | 19/07/2019           |
| RIT-TBI           | Mr. Umesh Dhende       | AICTE-SMARIDDHI Scheme | SUN Group and Engineers | Agriculture Technology | 19/07/2019           |
| RIT-TBI           | Mr. Kishor Suryawanshi | AICTE-SMARIDDHI Scheme | Wanshi Leather Works    | Manufacturing          | 19/07/2019           |
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### 3.4 – Research Publications and Awards

#### 3.4.1 – Ph. Ds awarded during the year

| Name of the Department            | Number of PhD's Awarded |
|-----------------------------------|-------------------------|
| Computer Science and Engineering  | 2                       |
| Electronics And Telecommunication | 1                       |
| Mechanical Engineering            | 2                       |
| Electrical Engineering            | 1                       |

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

| Type          | Department  | Number of Publication | Average Impact Factor (if any) |
|---------------|---|-----------------------|--------------------------------|
| International | Automobile Engineering                                | 14                    | Null                           |
| International | Computer Science Engineering                          | 13                    | Null                           |
| International | Electronics Telecommunication Engineering Engineering | 13                    | Null                           |
| International | Electrical Engineering                                | 8                     | Null                           |
| International | Civil Engineering                                     | 8                     | Null                           |
| International | Computer Science Information                          | 9                     | Null                           |

|                           |                        |    |     |
|---------------------------|------------------------|----|-----|
|                           | Technology Engineering |    |     |
| International             | MBA                    | 9  | Nil |
| International             | Mechanical Engineering | 24 | Nil |
| <a href="#">View File</a> |                        |    |     |

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

| Department                   | Number of Publication |
|------------------------------|-----------------------|
| Computer Science Engineering | 2                     |
| Mechanical Engineering       | 1                     |
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3.4.4 – Patents published/awarded during the year

| Patent Details                                      | Patent status | Patent Number | Date of Award |
|---|---------------|---------------|---------------|
| SMA Actuator System For Battery Temperature Control | Filed         | 201921031455  | 03/08/2019    |
| Locking Tong  | Filed         | 201921031500  | 04/08/2019    |
| An Improved Saline Monitoring And Control System    | Filed         | 201923051203  | 11/12/2019    |
| Contactless Higenic Switch                          | Filed         | 201921051912  | 14/12/2019    |
| Energy monitoring and dynamic power control system. | Filed         | 202021004016  | 29/01/2020    |
| No file uploaded.                                   |               |               |               |

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

| Title of the Paper   | Name of Author  | Title of journal   | Year of publication | Citation Index | Institutional affiliation as mentioned in the publication | Number of citations excluding self citation |
|--|-----------------|--|---------------------|----------------|---|---|
| Exploring Magnetorheological Brake-Based Anti-Lock Brake System for Automotive Application: Exploring MRB-Based ABS for Automotive Application | Dr. S. R. Patil | International Journal of Manufacturing, Materials and Mechanical Engineering | 2019                | 5              | Rajarambapu Institute of Technology, Sakharale, India     | 1   |

|  |                 |  |      |   |  |   |
|--|-----------------|--|------|---|--|---|
| n  |                 |  |      |   |  |   |
| Experimental Analysis of Fluid Elastic Vibrations in Rotated Square Finned Tube Arrays Subjected to Water Cross Flow | Dr. S. R. Desai | The Institution of Mechanical Engineers-Mechanical Engineering | 2019 | 3 | Sandeep R Desai, Department of Automobile Engineering, K.E.S.'s Rajarambapu Institute of Technology, Shivaji University, Kolhapur 415414, Maharashtra, India | 1 |
| <a href="#">View File</a>  |                 |  |      |   |  |   |

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

| Title of the Paper  | Name of Author  | Title of journal   | Year of publication | h-index | Number of citations excluding self citation | Institutional affiliation as mentioned in the publication   |
|---|-----------------|--|---------------------|---------|---|---|
| Exploring Magnetorheological Brake-Based Anti-Lock Brake System for Automotive Application:<br>Exploring MRB-Based ABS for Automotive Application | Dr. S. R. Patil | International Journal of Manufacturing, Materials and Mechanical Engineering | 2019                | 5       | 1   | Rajarambapu Institute of Technology, Sakharale, India   |
| Experimental Analysis of Fluid Elastic Vibrations in Rotated Square Finned Tube Arrays Subjected to Water   | Dr. S. R. Desai | The Institution of Mechanical Engineers-Mechanical Engineering               | 2019                | 3       | 1   | Sandeep R Desai, Department of Automobile Engineering, K.E.S.'s Rajarambapu Institute of Technology, Shivaji Un |

|                           |  |  |  |  |  |  |
|---------------------------|--|--|--|--|--|--|
| Cross Flow                |  |  |  |  |  | iversity,<br>Kolhapur<br>415414, Ma<br>harashtra,<br>India |
| <a href="#">View File</a> |  |  |  |  |  |  |

### 3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

| Number of Faculty           | International | National | State | Local |
|-----------------------------|---------------|----------|-------|-------|
| Attended/Seminars/Workshops | 31            | 151      | 50    | 135   |
| Presented papers            | 64            | 4        | 1     | Nil   |
| Resource persons            | 3             | 2        | 22    | 36    |
| No file uploaded.           |               |          |       |       |

### 3.5 – Consultancy

#### 3.5.1 – Revenue generated from Consultancy during the year

| Name of the Consultant(s) department | Name of consultancy project                      | Consulting/Sponsoring Agency   | Revenue generated (amount in rupees) |
|--------------------------------------|--|--|--------------------------------------|
| Automobile Engineering               | Two Wheeler Testing on Chassis dynameter As per  | COEP ( ARAI 7 COEP COLLABROATION )   | 5932                                 |
| Automobile Engineering               | HC CO Gas Analyzer Test For Concrete Cube as per | Ashokrao Mane Group of Industries Faculty of Engineering Vathar Tarf Vadgaon | 1694                                 |
| <a href="#">View File</a>            |  |  |                                      |

#### 3.5.2 – Revenue generated from Corporate Training by the institution during the year

| Name of the Consultant(s) department                                    | Title of the programme        | Agency seeking / training             | Revenue generated (amount in rupees) | Number of trainees |
|---|-------------------------------|---------------------------------------|--------------------------------------|--------------------|
| Dr. S. R. Kumbhar Prof. S. T. Satpute Automobile Engineering Department | Introduction to I. C. Engines | Saroj Foundry Pvt. Ltd., Kolhapur     | 15500                                | 61                 |
| Dr. S. R. Kumbhar Prof. S. T. Satpute Automobile Engineering Department | Introduction to I. C. Engines | Sonai Engineering Pvt. Ltd., Kolhapur | 15500                                | 44                 |
| <a href="#">View File</a>   |                               |                                       |                                      |                    |

### 3.6 – Extension Activities

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

| Title of the activities          | Organising unit/agency/<br>collaborating agency | Number of teachers<br>participated in such<br>activities | Number of students<br>participated in such<br>activities |
|----------------------------------|---|--|--|
| Introduction to<br>I. C. Engines | Saroj Foundry<br>Pvt. Ltd., Kolhapur            | 2  | Nil  |
| Introduction to<br>I. C. Engines | Sonai Engineering<br>Pvt. Ltd., Kolhapur        | 2  | Nil  |
| <a href="#">View File</a>        |   |  |  |

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

| Name of the activity   | Award/Recognition | Awarding Bodies   | Number of students<br>Benefited |
|--|-------------------|---|---------------------------------|
| iSAFE 2019-20<br>Championship                                | 7th AIR           | Ministry of Road<br>Transport and<br>Highways                         | 22                              |
| National Level<br>Online COVID-19<br>Innovation<br>Challenge | 1st               | ATAL Incubation<br>Center, Shri<br>Krishnadevraya<br>University, (AP) | 6                               |
| <a href="#">View File</a>                                    |                   |   |                                 |

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

| Name of the scheme                   | Organising unit/Agen-<br>cy/collaborating<br>agency | Name of the activity                 | Number of teachers<br>participated in such<br>activities | Number of students<br>participated in such<br>activities |
|--------------------------------------|---|--------------------------------------|--|--|
| Road Safety<br>Awareness<br>Programs | Ministry of<br>Road Transport<br>and Highways       | Indian Road<br>Safety                | 1  | 22   |
| Road Safety<br>Awareness<br>Programs | K.B.P.College,<br>Islampur                          | Road Safety<br>Awareness<br>Programs | 1  | 1  |
| <a href="#">View File</a>            |   |                                      |  |  |

**3.7 – Collaborations**

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

| Nature of activity                                   | Participant  | Source of financial support                           | Duration |
|--|--|---|----------|
| One day workshop<br>Introduction to I.<br>C. Engines | Employees of<br>Saroj Foundry Pvt.<br>Ltd., Kolhapur     | Rs. 15500.00<br>charges received<br>from the industry | 1        |
| One day workshop<br>Introduction to I.<br>C. Engines | Employees of<br>Sonai Engineering<br>Pvt. Ltd., Kolhapur | Rs. 15500.00<br>charges received<br>from the industry | 1        |
| <a href="#">View File</a>                            |  |   |          |

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

| Nature of linkage | Title of the<br>linkage | Name of the<br>partnering<br>institution/ | Duration From | Duration To | Participant |
|-------------------|-------------------------|---|---------------|-------------|-------------|
|                   |                         |   |               |             |             |



|                           |   |   |            |            |                        |
|---------------------------|---|---|------------|------------|------------------------|
|                           |   | industry /research lab with contact details |            |            |                        |
| Internship                | Industry Internship Project (IIP) for 6 Months / 21 Weeks | ABS Group, Pune                             | 15/12/2019 | 16/06/2020 | Gawari Pranit Nivrutti |
| Internship                | Industry Internship Project (IIP) for 6 Months / 21 Weeks | ABS Group, Pune                             | 15/12/2019 | 16/06/2020 | More Siddhant Satyavan |
| <a href="#">View File</a> |   |   |            |            |                        |

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

| Organisation  | Date of MoU signed | Purpose/Activities   | Number of students/teachers participated under MoUs |
|---|--------------------|--|---|
| Pathseeds Global Education  | 28/08/2019         | International Outreach office initiative of pathseeds global education | 56  |
| Vishwaniketan, s Institute of Management Entrepreneurship Engineering Technology Khalapur | 03/12/2019         | Project based international summer internship program (UG FELLOWSHIP)  | 7   |
| <a href="#">View File</a>   |                    |  |   |

## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

| Budget allocated for infrastructure augmentation | Budget utilized for infrastructure development |
|--|--|
| 24.79  | 24.79  |

4.1.2 – Details of augmentation in infrastructure facilities during the year

| Facilities                | Existing or Newly Added |
|---------------------------|-------------------------|
| Campus Area               | Existing                |
| Class rooms               | Newly Added             |
| <a href="#">View File</a> |                         |

### 4.2 – Library as a Learning Resource

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

| Name of the ILMS | Nature of automation (fully) | Version | Year of automation |
|------------------|------------------------------|---------|--------------------|
|                  |                              |         |                    |

|               |               |     |      |
|---------------|---------------|-----|------|
| software      | or partially) |     |      |
| E-Granthalaya | Partially     | 3.0 | 2018 |

#### 4.2.2 – Library Services

| Library Service Type      | Existing |          | Newly Added |         | Total |          |
|---------------------------|----------|----------|-------------|---------|-------|----------|
| Text Books                | 89980    | 36756410 | 1838        | 1056385 | 91818 | 37812795 |
| Reference Books           | 8435     | 8455953  | 16          | 72014   | 8451  | 8527967  |
| <a href="#">View File</a> |          |          |             |         |       |          |

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

| Name of the Teacher       | Name of the Module   | Platform on which module is developed | Date of launching e-content |
|---------------------------|--|---------------------------------------|-----------------------------|
| Dr. Sandeep A. Thorat     | LaTeX A-Z Simplified : Basic to Advanced Comprehensive Guide | Udemy                                 | 01/05/2020                  |
| Dr. H.V.Gaikwad           | Case Studies in Management                                   | RIT LMS - Moodle                      | 01/07/2019                  |
| <a href="#">View File</a> |  |                                       |                             |

#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

| Type     | Total Computers | Computer Lab | Internet | Browsing centers | Computer Centers | Office | Departments | Available Bandwidth (MBPS/GBPS) | Others |
|----------|-----------------|--------------|----------|------------------|------------------|--------|-------------|---------------------------------|--------|
| Existing | 1328            | 54           | 0        | 1                | 120              | 30     | 1178        | 300                             | 0      |
| Added    | 127             | 0            | 0        | 0                | 0                | 3      | 124         | 200                             | 0      |
| Total    | 1455            | 54           | 0        | 1                | 120              | 33     | 1302        | 500                             | 0      |

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

|                |
|----------------|
| 500 MBPS/ GBPS |
|----------------|

##### 4.3.3 – Facility for e-content

| Name of the e-content development facility                   | Provide the link of the videos and media centre and recording facility  |
|--|---|
| LaTeX A-Z Simplified : Basic to Advanced Comprehensive Guide | <a href="https://www.udemy.com/course/masteringlatex/">https://www.udemy.com/course/masteringlatex/</a>           |
| YouTube Channel  | <a href="https://www.youtube.com/channel/UCm6j4q">YouTube Channel<br/>https://www.youtube.com/channel/UCm6j4q</a> |

#### 4.4 – Maintenance of Campus Infrastructure

##### 4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary

component, during the year

| Assigned Budget on academic facilities | Expenditure incurred on maintenance of academic facilities | Assigned budget on physical facilities | Expenditure incurred on maintenance of physical facilities |
|--|--|--|--|
| 60                                     | 4975958  | 6.13                                   | 613600   |

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

The policies for maintaining and utilizing physical facilities, academic and support facilities • Maintenance of the campus is done through the Infrastructure Department. It consists of a civil maintenance team, electrical maintenance team, and security team. The civil maintenance team looks after all the maintenance of buildings, roads, garden and grounds on the campus. Repair and maintenance are carried out through building contractors, plumbers, carpenters, electricians and painters as per the requirement. All the water tanks are cleaned once in a month. The cleanliness of the campus is maintained by the housekeeping contractor. The laborers and sweepers of the contractors keep all the classrooms, laboratories, library, gymnasium, toilets, grounds, roads and gardens clean. • Four Automatic water level control system have been installed at four sites of campus for controlling water level in the overhead water tanks. The developed electronics system is interfaced with 1 HP motor and water level sensors in the overhead water tank and ground tank. When water level in the overhead tank falls below 60 and water is available in the ground sump, water pump is automatically switched ON and when tank becomes full, water pump is automatically switched OFF • The major change we brought in is that we have developed our own reliable technology leading to self-reliance. In the development of technology both student and faculty were involved. Institute provided funding of Rs.2.29 lacs for development of system. Institute can provide consultancy services to nearby industry as faculty competency is enhanced • In the developed system IoT technology is used. We have developed IoT frame work. Using the developed IoT frame work it is possible to use IoT for other applications like remote monitoring of amount of solar electricity generation, remote monitoring of continuous electricity consumption of organization etc The electrical maintenance team looks after all the electrical maintenance of the campus. It consists of maintenance of wiring, electrical appliances, telephone system, Genset, new installations, lifts, and fire protection. The security contractor looks after the safety and security of the campus. The security personnel are deployed at the entry gates of the campus and within the campus. • The team of central computer department looks after all the IT related maintenance in the campus. This team does the maintenance and recording of CCTV camera, installed at strategic locations in the campus. The maintenance of computers is done by one Hardware Assistant and two Laboratory Assistants. There is separate faculty appointed to look after the college website. • The students are allowed to remain in the college campus and use all the facilities for 24 hours. The timings are from morning 6.00am to 12.00pm night. Digital library remains open for 24hrs. Entry of students staying in hostels: boys are allowed upto 12.00pm night and girls are allowed upto 10.00pm night. If students are required to use college facilities

<https://www.ritindia.edu/images/ImpDoc/PoliciesForMaintenance.pdf>

## CRITERION V – STUDENT SUPPORT AND PROGRESSION

### 5.1 – Student Support

#### 5.1.1 – Scholarships and Financial Support

|  | Name/Title of the scheme | Number of students | Amount in Rupees |
|--|--------------------------|--------------------|------------------|
|  |                          |                    |                  |

|                                      |   |     |         |
|--------------------------------------|---|-----|---------|
| Financial Support from institution   | DrPunjabrao Deshmukh Vastigruh Nirvah Bhatta Yojna(DTE) | 463 | 7652000 |
| Financial Support from Other Sources |   |     |         |
| a) National                          | Nil   | Nil | Nil     |
| b)International                      | Nil   | Nil | Nil     |
| <a href="#">View File</a>            |   |     |         |

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

| Name of the capability enhancement scheme | Date of implemetation | Number of students enrolled | Agencies involved        |
|---|-----------------------|-----------------------------|--------------------------|
| ANSYS                                     | 29/05/2019            | 24                          | Extencore solution, Pune |
| CATIA V5 CAD Training                     | 16/08/2019            | 29                          | RIT., Finishing school   |
| <a href="#">View File</a>                 |                       |                             |                          |

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

| Year              | Name of the scheme   | Number of benefited students for competitive examination | Number of benefited students by career counseling activities | Number of students who have passed in the comp. exam | Number of students placed |
|-------------------|--|--|--|--|---------------------------|
| 2020              | Competitive Exam Cell (Opportunities in MPSC/UPSC by ASHA Spardha Pariksha Kendra) | 244  | 32   | 10   | 4                         |
| 2020              | GRE  | 20   | 12   | 11   | 11                        |
| 2020              | IELTS/TOEFL  | 25   | 20   | 14   | 14                        |
| 2020              | German Language A1   | 45   | 35   | 21   | 21                        |
| 2020              | Prerana Scheme   | 71   | 46   | 46   | Nil                       |
| No file uploaded. |  |  |  |  |                           |

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

| Total grievances received | Number of grievances redressed | Avg. number of days for grievance redressal |
|---------------------------|--------------------------------|---|
| 17                        | 17                             | 5   |

## 5.2 – Student Progression

### 5.2.1 – Details of campus placement during the year

| On campus                     |                                 |                           | Off campus                    |                                 |                           |
|-------------------------------|---------------------------------|---------------------------|-------------------------------|---------------------------------|---------------------------|
| Name of organizations visited | Number of students participated | Number of students placed | Name of organizations visited | Number of students participated | Number of students placed |
| KPIT Technologies, Pune       | 100                             | 40                        | Fabritech Ltd, Pune           | 4                               | 3                         |
| <a href="#">View File</a>     |                                 |                           |                               |                                 |                           |

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

| Year              | Number of students enrolling into higher education | Programme graduated from | Department graduated from | Name of institution joined  | Name of programme admitted to   |
|-------------------|--|--------------------------|---------------------------|---|---------------------------------|
| 2020              | 1  | B.Tech                   | Civil Engineering         | Pad. Vasant dada Patil institute of technology Budhgaon           | M. Tech Construction Management |
| 2020              | 1  | B.Tech                   | Civil Engineering         | National institute of construction management & research (NICMAR) | M. Tech Construction Management |
| No file uploaded. |  |                          |                           |   |                                 |

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

| Items                     | Number of students selected/ qualifying |
|---------------------------|---|
| NET                       | Nil                                     |
| SET                       | Nil                                     |
| SLET                      | Nil                                     |
| GATE                      | 26                                      |
| GMAT                      | 1                                       |
| CAT                       | Nil                                     |
| GRE                       | 11                                      |
| TOFEL                     | 14                                      |
| Civil Services            | Nil                                     |
| <a href="#">View File</a> |   |

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

| Activity   | Level | Number of Participants |
|--|-------|------------------------|
| Art Carnival (Photography, Painting and Sketching competition) | State | 125                    |

|                           |           |     |
|---------------------------|-----------|-----|
| and exhibition)           |           |     |
| Traditional Day           | Institute | 250 |
| <a href="#">View File</a> |           |     |

### 5.3 – Student Participation and Activities

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

| Year              | Name of the award/medal   | National/ Internaional | Number of awards for Sports | Number of awards for Cultural | Student ID number | Name of the student                |
|-------------------|---|------------------------|-----------------------------|-------------------------------|-------------------|------------------------------------|
| 2020              | Federation West Zone National Athletics Competition Sliver Medal  | National               | 1                           | Nil                           | 1902045           | Salunkhe Suraj Sanjay F. Y. Civil  |
| 2020              | West Zone Inter-University Basketball Men Tournament Bronze Medal | National               | 1                           | Nil                           | 1706109           | Mane Akash Vasant, T.Y. Mechanical |
| 2020              | WAKO Indian Open International KickBoxing Tournament III Place    | National               | 1                           | Nil                           | 1845004           | Rushikesh Sawant BBA III           |
| No file uploaded. |   |                        |                             |                               |                   |                                    |

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

Student council of AY 2019-20 was not formed because of petition submitted in court by student organizations for conducting open election. • The Internal Complaint Committee (ICC) is the committee formed as per the guidelines of Vishakha Judgment of Supreme Court which is refined as a Sexual harassment of women at workplace (prevention, prohibition and redressal) act 2013. The aim of ICC is to build self-esteem and dignity among girl students and ladies faculty members. ICC ensures safe working and learning environment for lady faculties and girl students by counselling, helping in legal aid in case of atrocities against women. • Hostel Student Committee has been formed with student's members from each hostel floor wise. Students of this committee are involved in policy decision like hostel rent increase/ decrease, mess rent increase/ decrease, laundry use, etc. Also students representing their group of students so they raise some complaints which are not in regular complaint register. Total 23 students in this committee. Students are selected as per the ranks. • Students Grievances Redressal Committee (SGRC): Student user visit <http://www.ritindia.edugrievance.com> to register in the portal and this should be approved by the admin. Only authorised/approved users can post grievances in

the redressal portal. This portal has different complaint verticals e.g. academics, infrastructure, central computer, examination etc. These verticals have been allotted to different authorities like Dean Students, Dean Academics, and Dean Infrastructures etc. The responsible authority has to resolve the student complaints within 15 days and reply on the same portal. Functions: • Examine and enquire the student(s) and staff involved in malpractice. • It shall take care of the inputs received from students, observers and staff regarding indiscipline, ragging and sexual harassment activities of the student. • Anti ragging is one of the important and mandatory function of the committee

## 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

5.3.1 Whether the institution has registered an Alumni Association? Yes/No, if yes give details (maximum 500 words): Yes Alumni Association is registered under society registration act having reg. no. Maharashtra/55/11/Sangli. Under this association "Alumni Gratitude Fund" was started by demand of alumni the fund raised can be utilized for up-liftment of the institute and helping needy students. RIT publishes "RIT Communique", an Alumni Newsletter, in which information of alumni profile, achievements of alumni, visits of alumni to RIT, RIT events and activities, RIT achievements, industrial visits and expert lectures by alumni etc. gets published. Alumni cell organizes alumni meet (get-together) regularly to remain connected with them. The Alumni Fund Management is the management of funds by alumni association (RIT, Rajaramnagar) which are received from alumni for implementing alumni projects. It includes depositing funds from alumni in the bank, managing the funds, disbursement of funds as per specific instruction from the depositors, etc. Alumni association act as custodian or trustee of the funds received. The purpose is to bring all alumni funded project related activities under one roof, to act as a coordinator for smooth flow of funds and to provide tax-exemptions wherever possible. Objective Alumni Association: 1. To keep a roster of all Alumni of RIT with their updated and current information. 2. To promote a sense of belongingness among the Alumni by being in regular contact with them. 3. To provide and disseminate information regarding RIT, its graduates, faculties and students to the Alumni. 4. To guide and assist Alumni who have recently completed their courses of study at the RIT to keep them engaged in productive pursuits useful to the society. 5. To provide a forum for the Alumni for exchange of ideas on academic, cultural and social issues by organizing and coordinating reunion activities of the Alumni 6. To extend the help to the students of RIT for placement and industrial training. 7. To act as a bridge between the college and the industries for interaction on new developments in different disciplines of engineering. 8. To assist the college to promote R D activities, testing and consultancy. 9. To assist and support the efforts of RIT in obtaining funds for development. 10. To extend financial help to economically backward and deserving students in the form of scholarship for UG, PG and higher studies abroad. 11. To encourage the students from this college by awarding prizes to meritorious students showing bright performance in the field of education, sports and cultural. 12. To enrich the central library by donating books and also by subscribing to journals in the field of engineering and technology. 13. To organize programmes on personality development, interview technique and leadership development, education in health science, yoga, literature, sports etc.

5.4.2 – No. of registered Alumni:

985



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

196741

5.4.4 – Meetings/activities organized by Alumni Association :

8 (Institute Level 1, Department Level - 7)

## CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 – Institutional Vision and Leadership

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

We at RIT are exercising governance through participative approaches. Importance is always given to the values and care is taken to have transparent processes and procedures at RIT. Board of Governance (BOG) is our apex body, which is engaged in designing the strategies for RIT, which aims at, designing quality teaching learning methodologies, raising funds, financial planning, employee welfare policies and enhancing placements. Steering Committee is instrumental in converting strategic objectives into practices. Director is the chairperson of the Steering Committee who is the member secretary of the BOG committee also. Steering Committee is comprised of second highest level of hierarchy. All Deans, Registrar, Librarian, all HODs, TP officer are the members of the committee. It monitors the directions given by Board of Governors. Academic Review Committee (ARC) is the stage where the goals and objectives are disseminated to various departments and actual implementation is done at departmental level. Dean (Academics) is the Chairperson of the ARC. Deliberations in the ARC are conveyed to the faculties and staff at departments through Departmental Program Committee (DPC) and Departmental Post Graduate Committee (DPGC). In this way the chain of command is maintained and the decisions of BOG are properly communicated to the grass root level in view of implementation. Financial and Academic Authorities are delegated at every level of the hierarchy and employees are empowered to take decisions. These all committees are not only working on downwards communication but believe in motivating every committee member at every stage to add the values to the systems. So in this way RIT is marching ahead and encouraging for upward communication even. The grievance of the staff and faculty are redressed through faculty staff redressal committee. Every complaint of the employee is treated seriously because we strongly believe that motivated workforce is the strong pillar of any organization. Student grievance is addressed in the committee like student's grievances redressal committee, Internal Complaint Committee and Anti Ragging committee. Thus we at RIT are always proactive in safeguarding faculty's and student's rights. Our tag line of placement cell is "Career Assured", we are definitely laying the strong foundation for the career of students by developing students into professional personalities.

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

Yes

### 6.2 – Strategy Development and Deployment

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

| Strategy Type                        | Details  |
|--------------------------------------|--|
| Industry Interaction / Collaboration | Rajarambapu Institute of Technology has adopted various improvement strategies as conducting HR (Human Resource) meet in Pune Mumbai regions. These meets improve the relation and |



bonding with the existing as well as with new industries. Industry delegates also provide their inputs related to current market trends and requirements from the existing batch students for betterment in Placements Internships. Expert Lectures are organized centrally as well as at the department level. Expertise from different backgrounds and domains visit the institute for delivering their knowledge and guidance to the students. Industry Sponsored Projects are allotted to the M. tech Final Year Students in various industries differentiated by their specialization. Students work into the Industry as a fulltime employee and provide best possible solution to the allotted project by as per the problem statement. Consultancy to the industries is provided by means of Joint Research Labs, Research development activities and for analysis, result generation process. Industries from different domains approach institute and provide a major source for consultancy.

Admission of Students

In the academic year 2019 - 2020 Central Admission process is implemented in three rounds as per Government norms. Meritorious students are admitted under Institute Level quota which is 20 of total intake. Foreign National students from 05 countries are admitted for B.Tech course. Department wise total 8 Parent meet was conducted. Samnvay Program Campaigning for school visit, training program, SMS, Facebook, Exhibitions Mock tests etc.

Curriculum Development

The following strategies are followed while designing the curriculum. 1. Every Department has a Department Advisory Board (DAB) to take care of curriculum in the view of the industry needs. 2. The Board of Studies (BoS) formulates the department specific curriculum with the help of Employer, Alumni, DAB organized workshops. Then, submits it to Academic Council (AC) for final approval. 3. The structure and curriculum finalized in BoS meeting are further discussed in Academic Council (AC) meeting for final approval. 4. After AC approval, it is published on the institutes website and made available to the students. 5. Two BOG,

|                            |  |
|----------------------------|--|
|                            | <p>Two Academic Council and Two BOS meeting at each department were conducted in Academic year 2019-20.</p>  |
| Teaching and Learning      | <p>RIT has used following strategies during academic year 2019-20 to enhance Teaching and Learning. 1. RIT has started publishing a Journal named "Journal of Engineering Education Transformations" (JEET) yearly in collaboration with Indo US Collaboration for Engineering Education (IUCEE) 2. To improve the teaching-learning process many innovative teaching tools like Think-Pair-Share, Project-based learning are being used in RIT. 3. During pandemic situation of COVID-19, RIT conducted lectures, practicals and evaluation using online platform. 4. In addition to classroom teaching, web based online courses like QEEE, NPTEL, SWAYAM also helped students to pursue the courses of their interest and earn credits. 5. Moodle Software is used for discussion forums and online quiz and assignments.</p> |
| Examination and Evaluation | <p>1. External examiners are appointed for Practical and Oral examinations. 2. Question paper setting of End Semester Examinations is done by external question paper setters. 3. Assessment of answer books of selected courses is done by external faculties. 4. Question paper audit is done by external expert faculties. 5. Assessment of answer books of ESE is carried out centrally. 6. Masking of answer books is done before assessment. 7. Answer books are shown to students</p>   |
| Research and Development   | <p>1. In house Seed funding scheme is used to develop innovative ideas of students and faculties. Under inhouse seed funding scheme, maximum financial support up to 1.25 lacs rupees is given to faculties and students to develop prototypes. 2. Patents on ideas of students and faculties are filed after performing scrutiny by a committee comprising Director, Dean RD and two experts. 3. Every academic year, best researcher award is given to the faculties, if their research contribution in terms of outside funded projects, consultancies publications in reputed journal or patent is significant. From every department two faculties are selected for award. First award consists of Rs.10, 000 cash prize</p>  |

|   |  |
|---|--|
| <p>Library, ICT and Physical Infrastructure / Instrumentation</p> | <p>and second consists of Rs.5000 cash prize.</p> <p>Every year Elsevier, IET, Taylor Francis, EBSCO, and Mc-grew hill, Person, Elsevier E-Journals and EBooks are subscribed. The purchase of new books (Technical, Non-technical, Competitive Exams collection) is done as per requirement and demand from faculty and students as per collection development policy. For the library automation Use of E-granthalaya 3.0 Library Management software with KIOSK Online Public Access Catalogue (OPAC) is made it easier to find any book/catalogue. Use of Dspace digital library software for the institutional repository to find and online access of eBooks, Institute news, old question papers, faculty publication, Project report dissertation, annual magazine etc.</p>  |
| <p>Human Resource Management</p>                                  | <p>by Establishment, Students and Accounts Section for smooth implementation. Staff gets benefits through ERP system regarding submission of online leaves, online leave balance, availing online salary slip etc. We provide data to outside vendors for various purpose such as election purpose, employee verification purpose etc. It has become much easier for us due to strong ERP system to provide the data which is asked by Govt. Non Govt. bodies like AICTE, DTE, Shivaji University, NIRF, GHRDC, Tashil Office and various Govt. Private surveys. With the help of strong ERP system we keep the track of various meetings activities, appraisals etc. We use this ERP system in Accounts Section for conducting various activities such as online payment to vendors keeping tracks of payments vouchers/ receipt, voucher passing, payment, account master, reports, bank a/c balance, TDS, FD, voucher cancel, voucher status, send payment SMS, voucher edit, transfer to student fees record, voucher delete, cheque printing. Due to this strong ERP system functioning of student section has become more smoothen. We implement ERP in issuing bonafide Scholarship Form, Exam Application form Submission, Student Status (Graphical), next year Admission List, Student Attendance SMS, Student</p> |

Exam Result SMS, I Card data, Bonafied, Transfer Certificate, Leaving Certificate. Our students are also satisfied due to these fast services by using ERP. Human Resource Management in RIT involves the activities like Good team work, Prayer in the office, word of the week, sentence of the week, distribution of Diwali gifts, Informal get-together, Arranging Treks, playing Music in Office etc.

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

| E-governance area    | Details  |
|----------------------|--|
| Administration       | <p>1. We communicate with other departments through email, WhatsApp broadcast, SMS. E.g. Notices, circulars are sent to teaching, non-teaching staff and students for information. 2. We have implemented Institute's own ERP system for smooth functioning. 3. We have launched online Grievances portal (<a href="http://www.ritindia.edugrievance.com/">http://www.ritindia.edugrievance.com/</a>). It can be accessed through our website <a href="http://www.ritindia.edu">www.ritindia.edu</a>. Students post their grievances on this portal. 4. Staff can apply for leave through online mode from RITAGE portal. 5. Online attendance of employees can be checked, verified and transferred to salary section for salary purpose. 6. SMS alert is sent to the employees for not punching, absenteeism etc</p>   |
| Finance and Accounts | <p>1. Online payment to vendors - Payments regarding various activities such as receipt of goods and services, traveling expenses, advances, payments to vendors, refund of fees, AICTE charges (increase in intake, extension of approval, change in nomenclature of courses, addition of new course etc.) are done through online portal. We are using payment gateways such as HDFC, IDBI. We also use POS machine, Bharat QR code for making online payments. 2. Keeping tracks of payments - ERP system is helpful in keeping tracks of various payments in particular period. It is easier to trace the expenses incurred on a particular area in particular year. 3. Vouchers/ Receipt - ERP system is helpful in preparing online vouchers. A user makes entry of the particular in the online voucher. Then it is verified and approved by the higher authority and sent to accounts section. 4. Account Master - Account</p> |

master helps in generating various types of reports such as Bank A/C Balance, TDS, FD, cancellation of voucher, voucher status, editing voucher, and deleting voucher. 5. SMS service for sending payment - After sending payment to the supplier, an alert through SMS is given to the concerned person through ERP system. 6. Payment of Students' fee - Students makes the payment of fees online through ERP (RITAGE). 7. Cheque Printing - We have done this innovation in 2018-2019. We print all the related payment information on Cheque instead of writing on it manually

Student Admission and Support

. Due to this strong ERP system functioning of student section has become smoother. We implement ERP in issuing various certificates such as bonafide, expenditure certificate, transfer certificate, transcript, leaving certificate. 2. ERP system is utilized in submission of exam application, scholarship form, student status (Graphical), and getting admission list of any year. 3. SMS service for sending student attendance, and Student exam result. 4. Data required for various reports is easily generated which is asked by AICTE, FRA, AISHE, NIRF, Shivaji University, private survey reports. 5. Due to this strong ERP system we are able to generate fee dues report, category wise data, I Card data etc.

Planning and Development

RIT is using a strong management information system for smooth functioning of all activities. We have developed in-house ERP system which is utilized by Establishment section, Students section and Accounts section. It is beneficial for both - staff as well as for students. Our vendors also get benefited due to management information system which is resulting in fast services to them. We use this ERP system in Establishment section for conducting various activities as under - 1. Submission of online leaves and checking online leave balance 2. Staff can avail online salary slip. 3. We provide data to outside agencies for various purpose such as election, employee verification etc. It has become much easier for us due to strong ERP system to provide the data which is

|             |  |
|-------------|--|
|             | <p>asked by Government Non-Government bodies like AICTE, DTE, Shivaji University, NIRF, GHRDC, Tashil Office and various Govt. Private surveys. 4. We are able to provide the staff details like name, departments, contact details, qualification etc. 5. With the help of strong ERP system, we keep the track of various meetings activities, appraisals, MOUs etc.</p>   |
| Examination | <p>The exam cell of institute has the ERP system to process the results of various examinations conducted by exam cell. Ledger generation and Grade Cards generation and printing is done through ERP software. All types of required reports are generated through this ERP software. Bitwise marks feeding and report generation is done through software. This report is used for ION-CUDOS software. Results are uploaded on institute website using ERP software.</p> |

### 6.3 – Faculty Empowerment Strategies

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

| Year              | Name of Teacher                | Name of conference/ workshop attended for which financial support provided                 | Name of the professional body for which membership fee is provided                        | Amount of support |
|-------------------|--------------------------------|--|---|-------------------|
| 2019              | Dr. Kumbhar Popat Dattatraya   | National Conference on Exploring new dimensions in Teaching Learning for Quality Education | K.K. Wagh Institute of Engineering Education and Research, Amrutdham, Panchavati, Nashik. | 4582              |
| 2019              | Dr.Thombare Dhananjay Ganapati | National Conference on Internal Combustion Engines and Combustion 2019 dt. 1 to 1.11.2019  | Combustion Institute Indian Section and National Institute of Technology, Kurukshetra     | 14275             |
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

| Year | Title of the professional development programme organised for teaching staff | Title of the administrative training programme organised for non-teaching | From date | To Date | Number of participants (Teaching staff) | Number of participants (non-teaching staff) |
|------|--|---|-----------|---------|---|---|
|------|--|---|-----------|---------|---|---|

|                   |                                     |   |            |            |     |     |
|-------------------|-------------------------------------|---|------------|------------|-----|-----|
|                   |                                     | staff   |            |            |     |     |
| 2020              | Nil                                 | Online workshop is organized for all non-teaching staff<br>Positive Mindset | 08/06/2020 | 08/06/2020 | Nil | 150 |
| 2020              | Nil                                 | One Day workshop on "Mastering MS -Excel"                                   | 25/01/2020 | 25/01/2020 | Nil | 52  |
| 2019              | One Day Workshop on Life priorities | One Day Workshop on Life priorities   | 25/06/2019 | 25/06/2019 | 95  | 120 |
| 2020              | Online Webinar on Chala Hasuya      | Online Webinar on Chala Hasuya  | 27/06/2020 | 27/06/2020 | 110 | 130 |
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

| Title of the professional development programme   | Number of teachers who attended | From Date  | To date    | Duration |
|---|---------------------------------|------------|------------|----------|
| Sales Executive - Dealership  | 2                               | 23/03/2020 | 06/12/2020 | 60       |
| Design, Simulation and development of Unmanned Aerial Vehicles (Drones) and Applications in Various Engineering Sectors | 2                               | 30/04/2020 | 04/12/2020 | 5        |
| <a href="#">View File</a>   |                                 |            |            |          |

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

| Teaching  |           | Non-teaching |           |
|-----------|-----------|--------------|-----------|
| Permanent | Full Time | Permanent    | Full Time |
| 110       | 66        | 113          | 74        |

6.3.5 – Welfare schemes for

| Teaching | Non-teaching | Students |
|----------|--------------|----------|
|----------|--------------|----------|



|   |  |   |
|---|--|---|
| <p>i. Diwali Gift - Diwali gifts are distributed to every faculty and staff members. Budgetary provision is made every year for purchasing of Diwali Gifts. ii. Advance for Faculty - we provide advance for faculty in case of medical emergency iii. Safety fund scheme is implemented for all staff under Shivaji University, Kolhapur Guidelines iv. Health Insurance - we support teaching staff to avail health insurance (Mediclaim). v. Covid 19 insurance - we have supported for COVID - 19 group insurance facility for ___ Staff. 50 amount was contributed by management. vi. Community fund - we support staff in medical emergency through community fund.</p> | <p>i. Diwali Gift - Diwali gifts are distributed to every faculty and staff members. Budgetary provision is made every year for purchasing of Diwali Gifts. ii. Advance for Staff- we provide advance for staff in case of medical emergency iii. Safety fund scheme is implemented for all staff under Shivaji University, Kolhapur Guidelines iv. Health Insurance - we support non-teaching staff to avail health insurance (Mediclaim). Institute is contributing 50 of insurance amount for all Drivers. v. Covid 19 insurance - we have supported for Covid - 19 group insurance facility for ___ Staff. 50 amount was contributed by management. vi. Community fund - we support staff in medical emergency through community fund.</p> | <p>i. We are helping economically weaker students through community funds. It helps them to pay their educational fees. ii. Scholarships like Emerson, scholarship from Rajarambapu Karkhana, Scholarship for merit students. iii. We have implemented Earn and Learn scheme for students. iv. Alumni support is given to existing students in the form of prizes to the rankers for all programs. v. Student Insurance - we are processing for student insurance to Shivaji University every year.</p> |
|---|--|---|

#### 6.4 – Financial Management and Resource Mobilization

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

Yes, we have the mechanism of Pre- Audit. Every Financial year external Audit is done by Registered Chartered Accountants (P.C. Patil and associates and 19/10/2020) and submitted reports are taken into consideration. We are having a proper budgeting system. Requirements of departments are invited well in advance and are discussed in the finance committee and then the budgets are allocated. While allocating the budget the factual picture of fee receipts, IRG and consultancy is considered. Budgets are allocated by considering the following points. 1) U.G.C. /AICTE guidelines. 2) As per the suggestion of LIC of Shivaji University, Kolhapur. 3) Students requirements. 4) For facilitation of Research Culture. We present the budget in finance committee meeting as well as in BOG meeting and take the approval

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

| Name of the non government funding agencies /individuals | Funds/ Grnats received in Rs. | Purpose      |
|--|-------------------------------|--------------|
| Bharat Forge Ltd.Pune                                    | 392000                        | Quantum 2020 |
| No file uploaded.  |                               |              |

6.4.3 – Total corpus fund generated

98785000

#### 6.5 – Internal Quality Assurance System



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

| Audit Type     | External |                 | Internal |                  |
|----------------|----------|-----------------|----------|------------------|
|                | Yes/No   | Agency          | Yes/No   | Authority        |
| Academic       | Yes      | Dr. R. K. Kamat | Yes      | IQAC COORDINATOR |
| Administrative | Yes      | Dr. R. K. Kamat | Yes      | IQAC COORDINATOR |

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

- A Parent - Teacher Association is formed in each department. Every department conducted an online parent meet and submitted the report to the Head Counseling Cell.
- Total 14 parent meets conducted by departments.
- Merit Award distribution ceremony conducted in online mode on 12 December 2020 along with students and parents.
- TPO shared information of placement with the parents of F. Y. B. Tech students.
- Total 17 Individual Counseling Session conducted with few cases discussed with parents.

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

- Workshop for non-teaching - One-day Workshop for all non-teaching staff was arranged 8th June 2020. The topic of this workshop was "Positive Mindset". 150 staff members got benefited through this program.
- Workshop for non-teaching - One-day Workshop for non-teaching staff was arranged 25th January 2020. The topic of this workshop was "Mastering MS -Excel". 52 staff members got benefited through this program.
- Workshop for Teaching Non-teaching - was conducted on 25 June 2019. The topic of this workshop was "Life priorities". 215 staff members got benefited through this program.
- Online webinar for Teaching Non-teaching - was conducted on 27 June 2020. The topic of this webinar was "Chala Hasuya". 240 staff members got benefited through this program.
- Good team work - Good teamwork is observed in Office by conducting following activities -
- Prayer in the Office - Everyday at 10.05a.m. Pasayadan prayer is performed in the office. It helps to develop the positive attitude amongst the employees.
- Word of the week - Every week new English word is written on the white board in Office to improve the vocabulary of the staff.
- Sentence of the week - Every week a positive thought is written on the white board in Office to improve the vocabulary of the staff.
- Distribution of Diwali Gifts - Diwali gifts are distributed to every faculty and staff members. Budgetary provision is made every year for purchasing of Diwali Gifts.
- In-formal get-together of office staff is arranged frequently to develop a strong team.
- Arranging Treks:-trekking is arranged every year.
- Music: playing music in administrative office while working

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

The institute is practicing Active learning methods for course delivery and assessment. Also the Project based Learning (PBL) is introduced for some of the courses by analysing its suitability. 2. The institute has prepared five year strategic plan for the period of 2018 - 2023 and has been implemented from 2018-19. 3. The institute offers choice based internships to Final Year B. Tech students for six months in eighth semester. 4. The 360DFS is implemented from 2018-19 to make peer evaluation of faculty.

6.5.5 – Internal Quality Assurance System Details

|  |     |
|--|-----|
| a) Submission of Data for AISHE portal | Yes |
| b) Participation in NIRF               | Yes |
| c) ISO certification                   | No  |

d)NBA or any other quality audit

Yes

## 6.5.6 – Number of Quality Initiatives undertaken during the year

| Year | Name of quality initiative by IQAC  | Date of conducting IQAC | Duration From | Duration To | Number of participants |
|------|---|-------------------------|---------------|-------------|------------------------|
| 2019 | IQAC has conducted AICTE sponsored One Week Faculty Development Program on 'Assuring Success of Engineering Graduates'. | 25/11/2019              | 25/11/2019    | 29/08/2021  | 33                     |
| 2019 | The institute has collected and analysed overall institute feedback from faculty and students for AY 2019-20.           | 02/06/2020              | 02/06/2020    | 28/07/2020  | 305                    |

[View File](#)**CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES****7.1 – Institutional Values and Social Responsibilities**

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

| Title of the programme     | Period from | Period To  | Number of Participants |      |
|----------------------------|-------------|------------|------------------------|------|
|                            |             |            | Female                 | Male |
| Womens safety in Cyber age | 04/02/2020  | 04/02/2020 | 200                    | Nil  |

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

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

Percentage of power requirement of the College met by the renewable energy sources Energy sources utilized by all the departments, support services of Rajarambapu Institute of Technology campus include electricity and liquid petroleum. Major use of the energy is at office, canteen, hostel and laboratories, for lighting, transportation, cooking and workshop instruments. Electricity is supplied to the college campus by Maharashtra State Electricity Board also. College had installed solar power plant having capacity 300 KW. Fuel consumption by vehicles on campus is also an important criterion for energy audit. Count of two wheelers is 400 and of four wheelers are 60. But vehicles are not running on college campus but only parked on the campus. It includes all Departments which includes Civil, IT, Automobile, Mechanical,

Electrical and Administrative. The calculations are based on the data provided by the college and actual observations taken at the site. The collected data shows all departments in the college has maximum number of major energy consuming equipment and energy consumption is 37,714.88 KWh/ Annum. Total number of major energy consuming equipment at all department's energy consumption is 37,714.88 KWh/Annum. As major energy consuming equipment, number of CCTV Camera is (20) than other equipment and hence, also the energy consumed by major energy consuming equipment is also maximum i.e. 37,714.88 KWh/ Annum. Number of fridge is 8 at all departments but the energy consumption is highest i.e. 22579.2 KWh/ Annum. Followed by water purifier 11592 KWh/Annum, and Water Cooler 1610 KWh/Annum, Aqua guard 924 KWh/Annum, CCTV Camera 900.48 KWh/Annum respectively. Similarly, to analyze the electricity consumption of office equipment computers, printers, laptops were also considered

#### 7.1.3 – Differently abled (Divyangjan) friendliness

| Item facilities  | Yes/No | Number of beneficiaries |
|--|--------|-------------------------|
| Physical facilities                                      | Yes    | 9                       |
| Provision for lift                                       | Yes    | 9                       |
| Ramp/Rails   | Yes    | 9                       |
| Braille Software/facilities                              | No     | Nil                     |
| Rest Rooms   | Yes    | 9                       |
| Scribes for examination                                  | No     | Nil                     |
| Special skill development for differently abled students | No     | Nil                     |

#### 7.1.4 – Inclusion and Situatedness

| Year | Number of initiatives to address locational advantages and disadvantages | Number of initiatives taken to engage with and contribute to local community | Date       | Duration | Name of initiative   | Issues addressed                               | Number of participating students and staff |
|------|--|--|------------|----------|--|--|--|
| 2019 | 1  | 2  | 15/06/2019 | 180      | CWTS Sewage Treatment Plant at Hajarwadi   | Sewage treatment and reuse                     | 16   |
| 2019 | 1  | 1  | 20/09/2019 | 240      | Development of integrated Multi size and multi item semi automatic papad and chapatti making machine | Business development plan for SHG in Bhilawadi | 5  |

[View File](#)

### 7.1.5 – Human Values and Professional Ethics

| Title                 | Date of publication | Follow up(max 100 words)   |
|-----------------------|---------------------|--|
| Administrative Manual | 01/12/2019          | We at Rajaramabapu Institute of Technology (RIT) believe that employees and students of the Institute should know all the administrative policies, rules, regulations and procedures. To fulfil this objective, we are coming out with this Administrative Manual. We hope that this Administrative Manual will clear all doubts and confusion about administrative procedures, rules and regulation. We know that there may be some scope for development in the activity. We will try to modify this manual as and when required. Published on 1st July 2016 Modified on 1st December 2019 |

### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

| Activity  | Duration From | Duration To | Number of participants |
|---|---------------|-------------|------------------------|
| Lecture on "Human Values and Ethics" by Ms. Sayali Dubhash, Bahai Academy | 13/08/2019    | 13/08/2019  | 250                    |
| Lecture on "Human Values and Ethics" by Dr. Lesan Azadi, Bahai Academy    | 14/08/2019    | 14/08/2019  | 250                    |
| No file uploaded.   |               |             |                        |

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

1. Rainwater harvesting for recharge of bore-well in the hostel campus 2. The process of replacement of CFL fittings by LED fittings is initialized. 3. More than 1000 trees are planted 4. Solar power system is installed 5. Drip irrigation system is installed for watering the plants 6. STP is in place for treatment of grey water and this water is used for irrigation purpose 7. Hostel corridor and classrooms are equipped with smart lighting system i.e. if nobody is in the room lights, fans get switched off. 8. Using remotely controlling system for water levels in tanks so that wastage of water is avoided.

### 7.2 – Best Practices

## 7.2.1 – Describe at least two institutional best practices

Describe at least two institutional best practices. The following are the best practices of institute.

1. Preparation and Implementation of five year Strategic Plan for AY 2018-19 to AY 2022-23 Preparation and implementation of One Page Strategic Plan along with KRA for Director, Deans, HODs Faculty's
2. Reading Club Activity for faculty
3. Organizing institute level competition names as innovative practice league.
4. Faculty Quality Circles by each department
5. Use of Active learning tools and techniques for delivery and assessment
6. NETRA Initiative
7. Engineering Exploration course for First Year B. Tech students

**Best Practices: 1**

1. Title of the Practice: Preparation and implementation of Five Year Strategic Plan for AY 2018-19 to AY 2022-23
2. Objectives of the Practice The major objective of this plan is to identify the thrust areas for the qualitative growth of the institute and ensure progress towards identified direction by sharing the vision amongst the stakeholders and ensuring their contribution.
- i) To identify the goals, thrust areas and objectives for institutional growth for the period of next five years.
- ii) To define the metrics for the targets to be achieved for the goals and the thrust areas
- iii) To identify the responsible persons for the goals and objectives to be attained.
- iv) To devise and implement the strategies in order to achieve the targets and the goals.

3. The Context RIT adopted the practice of Strategic Planning since 2007 and is currently implementing its third five-year strategic plan for 2018-23, having successfully completed earlier two cycles. The strategic plan 2018-23 documents RIT's plan for future development based on a report from Hubstone Solutions Pvt. Ltd., Pune - a consultant roped in by RIT which in itself is based on RIT's current progress and inputs and expectations from various stakeholders. RIT in consultation with Hubstone Solutions carried a SWOC analysis exercise in 2017-18 that resulted in revised Vision and Mission statements for the institute. The strategic plan has derived its goals from RIT's revised Vision and Mission statements.

4. The Practice The five-year strategic plan is broken into One Page Strategic Plan (OPSP) based on Varne Harnish model and is implemented and monitored through KRAs (Key Result Areas), a yearly performance-based incentive scheme with an annual budget of Rs. 10 Lakhs. The KRAs based on the strategic plan of the institute are identified for the academic year along with measurement metrics and targets spread over five levels of achievement in various functional areas like academics, research, placements, institute admissions, infrastructure, etc. These are assigned right from the Director of the institute to the faculty members of the departments along with Deans and HoDs. It is evaluated at the end of the academic year and score of every individual KRA holder is calculated on a scale of 0 to 5. The incentive along with a certificate of appreciation mentioning KRA score is awarded at the hands of Hon. Chairman, Board of Governance of the institute in an annual function.
5. Evidence of Success In the academic year 2019-20, 42 faculty members were awarded the KRAs for their achievements. The no. of patents filed/granted to RIT in 2019-20 are 2 with 86 no. of h-indexed/Scopus indexed publications. The placements at RIT for 2018-19 are 89.78. The no. of incubates/entrepreneurs are 10. The funding received from AICTE is Rs. 63.67 Lakhs and from MSInS is Rs. 500 Lakhs. International admissions are 5 and international student internships are 28 within 2018-19. RIT awarded a "Most Innovative Brand" in Maharashtra by Maharashtra Lokpriya Brand 2019. The success of RIT could be attributed to its strategic planning process and its execution through OPSP.

**Best Practices: 2**

1. Title of the Practice: Reading Club Activity for faculty
2. Objectives of the Practice The objective of this activity is to improve the reading habits of faculty and inculcate the reading culture at the institute.
3. The Context RIT's Central Library has started the Reading Club Activity to enhance the reading habits of the faculty. The benefits of reading are mental stimulation, stress reduction, knowledge, vocabulary expansion, stronger analytical thinking skills, improved focus and

concentration and better writing skills. 4. The Practice The groups of faculty members are formed in each department for reading and knowledge sharing discussions. The faculty groups are formed voluntarily. The ideal group size recommended is of 5 faculty members and care is taken not to have less than 3 members and more than 5 members. One of group members acts as a coordinator.

The coordinator makes sure that all members are actively reading and participating in the group. Reading Club activities are conducted in all departments and HOD coordinates the activities. HOD plays a role of facilitation and promotes the faculty members in the department and ensure that all faculty members participate in the activity. 5. Evidence of Success The fifty (50) groups were formed across all the departments in 2019-20. Total 188 number of faculty members across the institute participated and they read 51 number of books. Each department conducted a presentation on the book review at the end of the semester. The final report was submitted to the Central Library.

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

<https://www.ritindia.edu/images/PDF/Best-Practices-2019-20.pdf>

### 7.3 – Institutional Distinctiveness

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

Student Internships (Local)- This Internship is designed to expand the depth and breadth of academic learning of students in their particular areas of study. Final year UG PG Students are allowed for Six months of Industry Internships in major MNC's and nearby Industries. Interest from students is taken with respect to domain and their area of interest and accordingly, these selected students are allocated the six months Internship. Students are able to receive experience in applying theories learned from the classroom to specific experiences with the community and work world. In addition, Students get industry exposure and also get to work on Live projects and are allotted a problem statement for finding out the feasible solution during the Internship tenure. Out of the total strength, 358 students adopted the Internship track. Students were working as full time employees (Inters) at the company defining problem statement as a part of their project. Multi National Companies like ARAI, Pune, EDMRC, Pune, HDFC ERGO General Insurance Company Ltd., Mumbai, Mercedes Benz, Pune, Central Institute of Road Transport (CIRT), Pune, SCG Design Solutions, Pune, B.G. Shirke Construction Technology Pvt. Ltd., DHD Infracon, Connection Loop Ltd., Pune, Emtec Ltd., Pune, Posit Technologies, Pune, Prototech Solution, Pune, Techprime Solution, Pune, UL Group, Pune, Dahanu Thermal Power Station Adani Group, Mumbai, Blue Planet Solutions Pune, Adore India, Pune, Enigma Automation, Pune, Bitmapper Technologies, Pune, Kirloskar Brothers Ltd. Kirloskarwadi, Menon and Menon Ltd Kolhapur, Rieter India Pvt Ltd., Pune, Mahle Anand Thermal System Pvt Ltd., Pune, Tata Motors Ltd., Pune, Bharat forge limited , Mundhwa , Pune, Kirusa Software, Pune, Bentley Systems, Pune etc. Internship and project creates awareness of community issues, motivates students to create opportunities, embraces new ideas, and give direction to positive change. This gives valuable information in making decisions about the direction of future studies or and converts the same into permanent employment. Student Internships (Global)- Global Education amp Exposure Cell, RIT glad to share that more than 35 RIT students selected for various international internship. RIT has signed MOU with many prestigious universities like Asia University, Taiwan, Teesside University, UK, IUKL, Malaysia and University of Nottingham, Malaysia for various short term and long term programs. This MOU has helped RIT students to get fully / partially funding to attend international programs. RIT is also collaborated with CTIF Global Capsule for 45 days international internship (UG Fellowship) in various



prestigious universities from Poland, USA, Italy, Thailand, Denmark, England and Russia. Two Electrical Engineering students and one Mechanical Engineering student completed UG Fellowship in University of Poznan, Poland. Two electronics and Telecommunication and One mechanical Engineering student completed UG fellowship in University of Ural Federal University, Russia. One mechanical engineering student successfully completed UG Fellowship in University of Nevada, USA. Three students from MBA have completed their two weeks international internship on "Doing Business Asia" at University of Nottingham, Malaysia. 18 RIT students have completed two weeks international internship on "Artificial Intelligence" at Asia University, Taiwan. This internship was multidisciplinary in which mechanical engineering

Provide the weblink of the institution

<https://www.ritindia.edu/images/PDF/Institutional-Distinctiveness-2019-20.pdf>

### **8.Future Plans of Actions for Next Academic Year**

- International admissions Efforts will be made to increase the International admissions at RIT belonging to different countries (minimum three). This is as per strategic plan directions of the institute. We have informed to our Head of International Admissions to take care about the quality of students and see that only quality students will be attracted towards RIT. We will target more in our existing countries like Nepal Bangladesh Afghanistan as we already have students from these countries. Apart from this, we need to visit African Countries, what I have observed in lockdown, telescopically marketing is very useful but in Africa, they want your physical presence. Once we will travel we can get a good result from African Countries. Numbers we are Targeting Nepal - 40 Bangladesh - 20 Afghanistan- 10 African Countries - 30 (Subject to Visit)