YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	RV College of Engineering
• Name of the Head of the institution	Dr. K N Subramanya
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	08068188110
• Alternate phone No.	08068188111
• Mobile No. (Principal)	9663699299
• Registered e-mail ID (Principal)	principal@rvce.edu.in
• Address	RV College of Engineering, RV Vidyanikethan post, 8th mile, mysuru road, Bengaluru 560059
• City/Town	Bengaluru City
• State/UT	Karnataka
• Pin Code	560059
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	10/12/2007
• Type of Institution	Co-education
• Location	Urban

• Financial Status	**Self-financing**
• Name of the IQAC Co-ordinator/Director	**Narahari N S**
• Phone No.	**08068188153**
• Mobile No:	**9880311128**
• IQAC e-mail ID	**iqac@rvce.edu.in**
3.Website address (Web link of the AQAR (Previous Academic Year)	www.rvce.edu.in
4.Was the Academic Calendar prepared for that year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.rvce.edu.in/calendar-of-events

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**B**	**2.8**	**2015**	**15/11/2015**	**14/11/2020**

6.Date of Establishment of IQAC	**30/03/2016**

7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
AICTE – Share & Mentor Institutions (Margadarshan Scheme)	**Margadarshan Chief Coordinator Dr. B.V. Uma**	**AICTE**	**13/06/2018**	**17.0 Lakhs**

8.Provide details regarding the composition of the IQAC:

• Upload the latest notification regarding the composition of the IQAC by the HEI	View File

9.No. of IQAC meetings held during the year	2	
• Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?	Yes	
• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded	
10.Did IQAC receive funding from any funding agency to support its activities during the year?	Yes	
• If yes, mention the amount	15,13,993 Lakhs	

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

• Increased usage of online platforms for teaching learning process. Faculty members have learnt and developed skills for effectiveness in the online mode of teaching. Several training sessions for guiding and empowering the faculty to prepare course material best suited for online teaching students as compared to face to face interactions were conducted. There were more than 6000 hours of online teaching sessions in various courses across the disciplines of engineering were conducted to facilitate the learning requirements of both the Undergraduate (UG) and Post Graduate (PG) students. Faculty have familiarized with both the proprietary tools and open source ICT tools. A team of faculty is continually working on the promotion of ICT tools for teaching learning process. • A separate center for Digital Technologies for Teaching Learning and research is being established on the campus. This center aims to develop infrastructure for digital transformation of the technical education and will take up the task of competence development of faculty and staff in handling the challenges of ICT based teaching learning methodologies as part of the pedagogical tools during the teaching learning sessions being conducted. • Increased focus of research in the several centers of excellence in various areas of engineering/technology and its impact on the social transformation were taken up as continual improvement of Quality of research outcome and research outputs in terms of quality of publications, patents and projects. The following are some of the achievements 1. The Centre of Excellence in Internet of Things with support from M/S CISCO Limited conducted training programs on IoT for faculty and

students as well as industry professionals with focus on the basic concepts and to build experiential learning and project based learning approaches among the participants. The use of the web based technologies for conducting regular online teaching, evaluation and assessment of students in project courses and technical seminar courses, conducting workshops and seminars for various profiles of participants like the teaching faculty, industry professionals, research scholars and general public at large was greatly facilitated by the infrastructure setup in this center of excellence. The institution also conducted the online graduation ceremony using the facilities of this center of excellence. 2. Centre of Excellence in SAS (Smart Antenna System) which was established in the last year continues to provide opportunities for cutting edge research in the area of smart antenna systems and also supports other academic institutions and also the industry by way of providing testing and consultancy services on demand basis. 3. Centre of Excellence in computational Genomics- This center shot into prominence because of the increased focus on health care sector. This center has taken up various areas of research in computational genomics and is able provide undergraduate, post graduate and research scholars with opportunities for cutting edge research using the facilities and infrastructure created in this center of excellence. 4. Support for researchers and innovators through a interdepartmental committee on matters of Intellectual property rights and granting funds for filing patents and patent processing. During the year 2020-21 the institution filed 7(seven) patents and 5(five) number of patents were published and 04(four) numbers of patents were granted to the innovators among the faculty and students. 5. Introduction of an employee self-help portal for the annual performance appraisal covering the teaching faculty cadres, technical and support staff as well as the administrative staff under the banner of PRISM was done last year. The complete cycle of activities to cover the process of annual appraisal which includes the Goal Management- Goal setting and Goal Approval, Continuous performance Management (CPM), Performance review – Launch of appraisal forms, Performance review- Self assessment and Performance review by the concerned manger and reviewers assessment as a comprehensive five stage process for annual performance appraisal which is IT enabled has been implemented in total.

12.Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:

Plan of Action	Achievements/Outcomes
Promote adaption of ICT tools and platforms for enhanced	ICT Technology tools have been used by 100% of the faculty

effectiveness in the teaching learning process.	during the semester period January to June 2020. There were more than 6000 hours of online teaching sessions conducted during the period starting from March 2020 onwards till the end of the odd semester. Various proprietary tools and open source tools to support the effective teaching learning process were explored by the faculty of different departments with varying degree of effectiveness in engaging the students and disseminating the lessons in the courses prescribed for study during the even semester 2020. Some virtual laboratory sessions were also conducted using the platforms provided by IIT's & NIT's in some of the departments.
Assessment & Evaluations using ICT tools and reduced efforts by teachers in preparing assessment instruments and minimize repetitive efforts. (Road map for Digital Transformation of educational process in the institution)	All Quizzes and Internal assessment tests were conducted online using Exam.net and Quicklrn Platforms. Faculty members were trained and encouraged to prepare a vast repertoire of questions and question bank best suited for online assessments. Faculty members were given autonomy to choose innovative methods of assessments within a broad structure of assessment methods Several faculty members experimented and devised unique systems of assessment to evaluate the students on their learning effectiveness. Digital technologies were deployed to digitize the objects of assessments and the process of digitalization infrastructure setting up are in progress for

	digital transformation of the educational process in the institution.
Setting up of a Centre of Excellence in Digital transformation of teaching, learning and research with corporate sponsorship.	A focused approach to augmenting the digital infrastructure on the campus was initiated with the setting up of a separate Centre of excellence for digital technologies for teaching learning and research (CDTLR) with corporate sponsorship under the CSR scheme promoted by Government of India. The Institution has received corporate funding for setting up this Centre of Excellence on the campus.
Annual appraisal through goal setting for employees.	The use of technology for performance assessment was imitated in the last year. One complete cycle of assessment and performance appraisal of employees was carried out using the success factor platform. This includes setting up goals by employees in different grades and cadres and verification of these goals by the Heads of sections and Heads of Departments and divisions. Reporting of performance by the employees, grading and appraisals by the authorities.
Financial Support for filing patents related to projects with innovative products as outcomes.	During the year 2020-21 the institution filed 7(seven) patents and 5(five) number of patents were published and 04(four) numbers of patents were granted to the innovators among the faculty and students.
Activities of incubation centre on campus.	Presently the following activities are in Progress at the MI Incubation Centre inside

	the Campus: - 3 companies got funding in the range of Rs. 20L-30L INR by winning the Karnataka Elevate Competition. They are: ? Rubizon Pvt., Ltd ? Caranrose Biosol Pvt. Ltd ? Suchandra Technologies Pvt. Ltd Due to Covid 19 situation, M/s Rubizon is not functioning temporarily. M/s Suchandra Technologies have developed the world's first E-Sanitizer. The product has also received NABL accreditation and the company has sold over 250 units till date. About 5 Companies have incubated here, out of which 2 companies (Upride and Maven) are working remotely and 3 companies are working from the centre i.e. a) Caranrose Biosol Pvt. Ltd b) Suchandra Technologies Pvt. Ltd c) Biozzy Biozzy has received funding upto 4L to establish their lab and carry out R&D activities. Caranrose & Upride have undergone mentoring programs at NSRCEL - IIMB, during May and June 2020. This is a part of the collaboration between MI Incubation Centre and NSRCEL.
Orientation program for the entire fresher's on the campus as per AICTE mandate.	A 15 day induction program planned & implemented by inviting achievers from all the social spheres to motivate the students to see the larger purpose and to develop big picture thinking, before the commencement of their engineering curricula.
Implementation of the plan for training students on design thinking methodology a	The infrastructure for design thinking laboratory is being set up. Meanwhile the course on

compulsory laboratory for the teaching of the design course.	design thinking using the five step process of .Emphasize, Ideate, Innovate, Prototype and Implement was implemented for the first batch of students during the 4th semester of the Bachelor of engineering academic program. Faculty who went through the FDP on design thinking were entrusted the responsibility of imparting the training to the students using the broad structure of the design thinking methodology and adapting the structure to specific disciplines of engineering programs. An experience sharing session for a period of one week for faculty to exchange ideas and with an idea of sharing and gaining was organized during which the faculty showcased the works carried out by the students as part of the design thinking laboratory course. Several innovative projects were identified as potential for improvement by the students using the Minor & Major project as opportunity for implementing ideas.
Increased focus on partnership through the Industry -Institute partnership committee.	Increase in the number of collaborative projects with industry, increase in the number of internship opportunity to the students. In some cases joint offering of the courses by both the academia and industry professionals. Increase in the number of industry based projects by the students.
13.Was the AQAR placed before the statutory body?	No

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Nil	Nil

14.Was the institutional data submitted to AISHE ? | **Yes**

- Year

Year	Date of Submission
2021	21/01/2022

15.Multidisciplinary / interdisciplinary

By identifying institutional strength, interdisciplinary research areas have been identified, with the emphasis on creating a Unique Selling Point (USP) for the institute. RVCE is looking to contribute to sustainable development as practiced in ancient India and as advocated by the father of the Nation Mahatma Gandhi. The motto is, "Leveraging global knowledge and delivering local solutions". The institution graduated to a teaching and research institution, making use of large number of faculty with doctoral degree on its rolls. Distinguished scientists and leaders in Research in several domains are part of RVCE faculty. Research motivation includes incentivizing faculty to take up sponsored research and consultancy. The institution has to its credit over 1400 National and International Journal publications, completed sponsored research and consultancy projects worth Rs. 30.0 crores in the last three years. The institution has over 50 licensed modelling, analysis and simulation software along with high-end computing infrastructure. Focusing more research has helped RVCE to file 50 patents, of them 40 have been published and three Patents granted recently. Around 50 – 60 percent of these patents were undergraduate or postgraduate projects. Most of the faculty members are involved in funded projects in the niche areas of IoT, cloud computing, Biotechnology, Robotics, and Mechatronics. This way, their knowledge base has been enhanced. The institution has established Interdisciplinary Research Centre, Incubation Centre, Centre of Excellence in Macroelectronics, Centre of Excellence in Smart Antenna Systems, Centre of Excellence in Computational Genomics and Cisco sponsored Centre of Excellence in

Internet of Things, Mercedes Benz sponsored Centre of Excellence in Automotive Mechatronics, Greaves Cotton sponsored Centre of Excellence in e-Mobility.

16. Academic bank of credits (ABC):

RV College of Engineering has registered in National
Securities Depository Limited during 2018-19. Later got enrolled in NAD(National Academic Depository) in 2020. Around 2500 students of RVCE have enrolled on NAD portal with ABC ID

17. Skill development:

SKILL LABS RVCE has established different Special Skill labs by investing on infrastructure and
Intellectual resources over a period of time, which has resulted in better placement, entrepreneurial
skills and higher education potential amongst students. Competitive and Collaborative world
demands skillful human resources who are adaptive, good planners and executers on time.

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

Indian Knowledge System is promoted by planning to introduce a mandatory course in the first year of UG curriculum in the upcoming syllabus being implemented from 2021-22. The faculty are trained by organising FDP on IKS at RVCE by inviting experts. The faculty members are deputed for 15-day training programme at IIT Madras conducted by IKS Division under MHRD, New Delhi.

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

RVCE granted Autonomous Status by the VTU, UGC and Government of Karnataka in the year 2007 for its undergraduate programs and in the year 2016 for postgraduate programs. Being an Autonomous college affiliated to VTU, RVCE prescribes its own syllabi and academic activities. The institution has implemented Outcome Based Education (OBE) with a focus on ICT and project-based leaning to enhance critical thinking ability. The institution has introduced experiential learning to motivate students to innovate, bring in teamwork and lifelong learning & encourage students to form multidisciplinary groups for major projects, leading to securing funded projects. The programs are designed with requisite number of foundation courses, advanced courses, SWEBOK, MOOCS, NPTEL, QEEE, industry-based electives and laboratories to facilitate enhancement of competence of the students in all the relevant domains and render them employable, prepare them for higher studies, entrepreneurship

and public service.

The academic activities concentrate on helping the students to gain an excellent theoretical knowledge base and in the development of skills to implement them. The latest teaching aids from multimedia equipment to simulation techniques ensure a thorough learning process. The college regularly invites experts and industry professionals to impart practical skills and lessons to students. Industrial visits are encouraged to help the students to grasp the technology at work. It is up to the student to take advantage of opportunities provided and build a bright future.

20.Distance education/online education:

Although RVCE has contibuted as Elite nodal center for fecilitating the online courses from NPTEL, we are planning to host the online courses on SWAYAM/NPTEL portal.

Extended Profile

1.Programme

1.1	**28**
Number of programmes offered during the year:	

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.Student

2.1	**5897**
Total number of students during the year:	

File Description	Documents
Institutional data in Prescribed format	[View File](#)

2.2	**1487**
Number of outgoing / final year students during the year:	

File Description	Documents
Institutional Data in Prescribed Format	No File Uploaded

2.3	**9626**

Number of students who appeared for the examinations conducted by the institution during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1 Number of courses in all programmes during the year:	**1847**

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 Number of full-time teachers during the year:	**347**

File Description	Documents
Institutional Data in Prescribed Format	View File

3.3 Number of sanctioned posts for the year:	**320**

4.Institution

4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	**312**
4.2 Total number of Classrooms and Seminar halls	**123**
4.3 Total number of computers on campus for academic purposes	**2656**
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	**1261.25138**

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

The curriculum for all our programs is meticulously crafted in alignment with the Program Educational Objectives and Program Outcomes , which themselves resonate with our college mission statements. The development of this curriculum and its course content is an inclusive process, incorporating feedback from diverse set of stakeholders, including academic and industry experts. These curricula and courses undergo scrutiny by the Board of Studies and are subsequently approved by the Academic Council. At the local and regional levels, our courses empower students to analyze and address specific needs, providing practical solutions derived from their engineering knowledge. Incorporating real-life experiences, projects within these courses allow students to actively engage in the developmental activities of Bangalore city, such as its transformation into a smart city,traffic analysis, e-charging station placement, etc. Entrepreneurship courses further uplift the socioeconomic status of the region. Many courses leverage industry expertise and feature industrial visits to expose students to real-world challenges. Other courses aim to enhance students & technical and entrepreneurial skills in line with the Start-up India policy, increasing their employability. Our co-curricular and extra-curricular activities, mandatory as part of the curriculum, contribute to the holistic development of students, making a positive impact on national and global developmental needs.

File Description	Documents
Upload additional information, if any	[View File](#)
Link for additional information	Nil

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

26

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	**No File Uploaded**

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

2160

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	**No File Uploaded**
Any additional information	**No File Uploaded**

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

148

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	**No File Uploaded**
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

29

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	**No File Uploaded**
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

RVCE, a progressive institution in engineering education, is integrating crosscutting issues such as professional ethics, gender sensitivity, human values, environmental consciousness, and sustainability into its curriculum. The institution aligns with the Sustainable Development Goals (SDGs) and adheres to the guidelines of the All India Council for Technical Education (AICTE) and the National Education Policy 2020. The curriculum includes domain-specific basic science and mathematics courses, elective courses, mandatory courses, and a diverse range of subjects like "Indian Knowledge System," "Yoga," "Universal Human Values," and ability enhancement courses. Experiential learning accounts for 40% of the assessment, preparing students for real-world challenges. RVCE also emphasizes skill development through skill labs, mandatory internships, technical training, workshops, and collaborative projects with industries. The curriculum also covers areas like the Constitution of India, professional ethics, management and finance, research methodology, communicative English, and professional development training. The institution also introduces a design thinking lab for undergraduate students, fostering creativity and problem-solving skills.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	**No File Uploaded**

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

31	

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	**No File Uploaded**
Any additional information	**No File Uploaded**

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

2790	

File Description	Documents
List of students enrolled	View File
Any additional information	**No File Uploaded**

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

2902	

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	**No File Uploaded**

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni	**A. All 4 of the above**

File Description	Documents
Provide the URL for stakeholders' feedback report	http://1103.117.238.207/NAAC_AQAR/2020-21/CRITERION1/Consolidated_2_2022.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	**No File Uploaded**
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following	**A. Feedback collected, analysed and action taken made available on the website**

File Description	Documents
Provide URL for stakeholders' feedback report	http://103.117.238.207/NAAC_AQAR/2020-21/CRITERION1/Consolidated_2_2022.pdf
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

1487

File Description	Documents
Any additional information	**No File Uploaded**
Institutional data in prescribed format	View File

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

312

File Description	Documents
Any additional information	**No File Uploaded**
Number of seats filled against seats reserved (Data Template)	[View File](#)

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

The institution organizes special programs for advanced learners. For advanced learners who have more than 8.5 CGPA from second yearare encouraged to earn additonal credits of 16 through MOOC courses from NPTEL and earn B.E Honors degree.

Students of all UG and PG branches are involved in Interdisciplinary projects. The students are also involved in consultancy projects funded by various industries.

In order to streamline and undertaking focused research, the institution has followed the Interdisciplinary Research & Innovation approach for execution of funded projects and industrial consultancy. The institution has established 24 Centers of Competence / Excellence. Based on the specialization and competency of the students, various interdisciplinary teams are formed to undertake need based research, execute projects and consultancy assignments. Many companies and funding agencies have helped in establishing physical infrastructure and state of the art equipment and software. Mentoring by Industry & Research Experts in the thematic areas.

The above approach is adopted to make sure learning happens to UG/PG/PhD students in an expected way. The students understand the advantages of working in interdisciplinary way.

In order to support the slow learners, all the departments will conduct Remedial classes for students who scores less marks in CIE. Separate timetable will be given and classes will be conducted after college hours. The progress of the students is monitored by the course handling faculties.

File Description	Documents
Upload any additional information	<u>View File</u>
Paste link for additional information	<u>https://rvce.edu.in/sites/default/files/UG%20 0handbook%20updated%2011%20March%202021.pdf</u>

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/06/2020	5897	347

File Description	Documents
Upload any additional information	<u>View File</u>

2.3 - Teaching- Learning Process

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

The institution has implemented Outcome Based Education (OBE) with a focus on ICT and project-based leaning to enhance critical thinking ability. The institution has introduced experiential learning was introduced to motivate students to innovate, bring in teamwork and lifelong learning & encourage students to form multidisciplinary groups for major projects, leading to securing funded projects. The programs are designed with requisite number of foundation courses, advanced courses, SWEBOK, MOOCS, NPTEL, QEEE, industry-based electives and laboratories to facilitate enhancement of competence of the students in all the relevant domains and render them employable, prepare them for higher studies, entrepreneurship and public service. The academic activities concentrate on helping the students to gain an excellent theoretical knowledge base and the skills to implement them. The latest teaching aids from multimedia equipment to simulation techniques ensure a thorough learning process. The college regularly invites experts and industry professionals to impart practical skills and lessons to students. To enhance the problem- solving skills among the student community SKILL lab, IDEA lab and Design Thinking lab are introduced in the curriculum. Industrial visits are encouraged to help the students to grasp the technology at work and enhance their learning ability.

File Description	Documents
Upload any additional information	[View File](#)
Link for additional Information	Nil

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

In the past 5 years, the teaching learning process evolved with lot of changes due to COVID-19. The institution witnessed a paradigm shift during COVID 19 pandemic due to the adoption of online Teaching Learning Process. The usage of ICT enabled tools in TLP increased multi-fold in our institution. Online learning became a necessity for the students rather than on option. Our faculty utilised this opportunity to explore new horizons of teaching and research. Quiklrn and Google Classroom tools were used as the Learning Management System (LMS). Google Meet, GoToMeeting, WebEx were used for the conduction of online classes. Digital writing pad and digital boards replaced the black boards. PowerPoint presentations and videos were used to provide effective audio visual experience to the students. To augment the learning, educational videos of our faculties were posted in the Education YouTube channel. Educational videos from Khan Academy, NPTEL, Coursera, Jove, LinkedIn learning and Alison Courses were used by the educators to augment the student learning. Students were trained in virtual labs and modern simulation tools. Online quizzes were conducted regularly. Class recordings were made available on Google drive. MOOC courses, imbibed into the curriculum, fostered the learnability coefficient of the graduates.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://home.quiklrn.com/
Upload any additional information	[View File](#)

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

208

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

The institution took utmost care to bring uniformity in the functioning of the Semester Scheme for all academic programmes across the College. An Academic year includes three semesters. Two regular semesters (Odd & Even), Each semester has 16 weeks of Academics & 03 weeks of exams. In addition, there was a supplementary/Fast track semester spanning 08 weeks of Academics & One / Two weeks of Exams. The 'Academic Calendar' included important academic activities to assist the students and the faculty. Academic Calendar would be prepared before the commencement of the academic year and will be published in the college website. This enables the students to be well prepared, minimize their chances of failure in CIE and/or SEE tests & Exams respectively, and take full advantage of the flexibility provided by the credit system. The "Induction program" for the first-year students was proposed to have THREE weeks of program in the FIRST semester and ONE WEEK of program during the SECOND semester. The Induction program was conducted in online mode during pandemic. Adherence to the academic calendar is ensured through audits conducted at the department level and at the institute level by IQAC and Dean – Academics.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

347

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	**No File Uploaded**

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

218

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	**No File Uploaded**

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

5185

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	**No File Uploaded**

2.5 - Evaluation Process and Reforms

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

24

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	**No File Uploaded**

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

625

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	[View File](#)
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

All process starting from entry of examiners list to announcement of the results including billing is done by IT integration through SAP from the academic year 2019-20. Since then, IT integration into the system saves lot of time, cost, and effort for the better-quality output.

Apart from the above, students services related activities such as generation of Hall tickets, Grade cards, PDCs, Transcripts, convocation reports etc are also the part of IT integration.

The office of CoE conducts the examination audit (process and quality) twice a year by an external auditor. The audit committee consists of one external auditor, BoE Chairperson/ representative of BoE chairperson, and examination unit coordinator of the department. Once the audit is over, the team submits a report to the office of CoE. The CoE, in turn forward the report to the Chairperson, BoE to take necessary and corrective measures.

Initiatives have taken to improve the quality of assessment by adopting appropriate evaluation methods for various type of courses. For example: project-based courses/Labs/design thinking lab will be assessed by exhibiting the products/charts/displays etc by the students and evaluated by interactions with the experts.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	**Nil**

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

1. Displayed at prominent places in the institute, such as Corridors, Laboratories, Principal Chamber, administrative office, Seminar Halls, and library.

2. It gets published with handbooks, syllabus copies, lab manuals, attendance register, institution's annual diary, calendar and conference/workshop proceedings/posters/brochures. It is also displayed on the institution website (http://www.rvce.edu.in/history)

3. Disseminated to all the stakeholders of the programs through faculty meetings, student awareness workshops, student induction programs, BoS, academic council meetings as well as through emails.

4. Displayed at prominent places in the Department of Computer Science and Engineering such as corridors, laboratories, HoD chamber, notice boards, department library and seminar hall.

5. It gets published with handbooks, syllabus copies, lab manuals, attendance register and conference/workshop proceedings/posters/brochures. Displayed on the institution website: department webpage (http://rvce.edu.in/cs-about_the_department)

6. Disseminated to all the stakeholders of the programs through faculty meetings, student awareness workshops, student induction programs, BoS and industry institute interaction.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	[View File](#)
Upload any additional information	**No File Uploaded**
Link for additional Information	https://rvce.edu.in/rvce-scheme-syllabus

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

Course Outcomes (COs) are systematically linked to POs and PSOs, each assigned a weightage (3 - high, 2 - moderate, 1 - low) for conformity. COs are developed with careful consideration of Bloom's Taxonomy. Mapping COs to POs and PSOs signifies the contribution of individual courses to achieving program-level outcomes. Assessment of COs employs both direct and indirect techniques. Direct assessment encompasses CIE, Semester SEE, tests, quizzes, self-study/experiential learning, laboratory work, and projects. Indirect assessment involves course-end surveys.

CIE includes internal assessment questions, quizzes, assignments, and laboratory work, all linked to COs, which maps to POs. A similar mapping process is followed for SEE. Rubrics are created for projects, seminars, case studies, and internships. Course-end survey questions, formulated by course coordinators, gauge course attainment levels. CO attainment comprises 80% CIE, 80% SEE, and 20% indirect assessment. Course-wise PO/PSO attainments are computed based on the CO-to-PO/PSO mapping and respective weightages. The program's overall PO/PSO attainment is determined, allocating 80% weightage to PO attainment via COs and 20% weightage to indirect assessments, including alumni, employer, and graduate surveys, all rated on a 5-point scale. Attainment levels are compared against targets set by course coordinators and the program assessment committee.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	**Nil**

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by

Institution

`1531`

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	[View File](#)
Upload any additional information	**No File Uploaded**
Paste link for the annual report	**Nil**

2.7 - Student Satisfaction Survey

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

https://rvce.edu.in/sites/default/files/Student-Satisfaction-Survey-2020-21-final.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

RVCE is dedicated to achieving excellence in technical education and research. It boasts 23 centers of excellence, fostering interdisciplinary and multidisciplinary research in cutting-edge fields. The institution has a robust research policy and promotes innovation through projects like building racing cars, all-terrain vehicles, and robots for international competitions, resulting in numerous accolades. Faculty members actively engage in projects sponsored by organizations such as DST, DBT, UGC, AICTE, NRB, ARB, DRDO, BIRAC, DSIR, DAE, ISRO, VTU and VGST.

RVCE also houses research centers recognized by VTU, Belagavi, with around 350 research scholars pursuing Ph.D. studies. Of its 350-strong faculty, over 70% hold doctorates, and 175 are authorized to guide Ph.D. students by VTU, Belagavi. Research infrastructure is funded through departmental budgets, Interdisciplinary Research Centre (IDRC), and Centers of Excellence. Sponsored projects and faculty consultancy further enhance this infrastructure.

RVCE's rich infrastructure spans various domains, including automotive mechatronics, EV technologies, smart antennas, high-power computing, smart cities, visual computing, quantum computing, digital manufacturing, and supply chain management.

Faculty members receive seed funding for preliminary research and prototype development, often leading to sponsored projects and intellectual property rights (IPR) generation. The institution supports patenting through an IPR committee, covering assessment, filing, and maintenance costs.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://rvce.edu.in/sites/default/files/Institution%20Research%20Policy.pdf
Any additional information	View File

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

0,98 Lakhs

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	No File Uploaded

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

`0`

File Description	Documents
e-copies of the award letters of the teachers	**No File Uploaded**
List of teachers and details of their international fellowship(s)	**No File Uploaded**
Any additional information	**No File Uploaded**

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

`135 Lakhs`

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	**No File Uploaded**

3.2.2 - Number of teachers having research projects during the year

`20`

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://rvce.edu.in/sites/default/files/Sponsored%20Research%20Projects%202018-2023.pdf
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

`160`

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

09

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://dbtindia.gov.in/, https://dst.gov.in/
Any additional information	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

The Institution has created an eco-system for research and innovation by establishing interdisciplinary research centre (IDRC), Incubation Centre, Centres of Excellence in Vehicle Automation, Automotive Mechatronics, EV laboratory, High Performance Computing Centre, Quantum Computing, AI and ML, Supply Chain Management, Hydraulics and Pneumatics, Smart City Technologies, Sensors and Application Devices, Nanomaterials & Devices and Integrated Circuits. Innovation is brought about through students' innovative teams such as Ashwa, Helios, Chimera, Garuda, Solar Car, Jatayu, Krishi, Antariksh, Frequency Club, Hydra and Coding Club. The innovative teams are engaged in innovations and compete in international / national competitions and have won several prizes.

Incubation is nurtured in the Institution by providing laboratory and financial support for proof of concept and converting proof of concept to prototypes. Several prototypes have been developed in health care and patented.

The Institution emphasises IPR by introducing mandatory course on

IPR in third year of UG curriculum. Entrepreneurship is promoted through focussed activities such as awareness camps, business plan contests, innovation workshops and internship fair.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	[https://rvce.edu.in/rvce-students-clubs-technical-innovative](#)

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

Nil

File Description	Documents
Report of the events	**No File Uploaded**
List of workshops/seminars conducted during the year	**No File Uploaded**
Any additional information	**No File Uploaded**

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software	**B. Any 3 of the above**

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	[View File](#)
Any additional information	[View File](#)

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

26

File Description	Documents
URL to the research page on HEI website	https://rvce.edu.in/research-at-rvce
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

-Nil-

File Description	Documents
List of research papers by title, author, department, and year of publication	No File Uploaded
Any additional information	No File Uploaded

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

53

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

1436

File Description	Documents
Any additional information	**No File Uploaded**
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

10

File Description	Documents
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	**No File Uploaded**

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

171 Lakhs

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	**No File Uploaded**

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

315 Lakhs

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	<u>View File</u>
List of training programmes, teachers and staff trained for undertaking consultancy	**No File Uploaded**
List of facilities and staff available for undertaking consultancy	<u>View File</u>
Any additional information	**No File Uploaded**

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

The National Cadet Corps (NCC) at RV College of Engineering (RVCE) in collaboration with Raag and Retract, organized a highly successful annual blood donation camp. The event saw participation from 13 blood banks across Bengaluru, including Lions Club, NIMHANS, and the Indian Red Cross Society. These drives resulted in the collection of over 800+ units of blood every year, marking a significant contribution to the city's healthcare system.

In addition to the blood drive, an awareness walk was conducted a day prior around the campus and nearby localities. This initiative aimed to educate the community about the importance of blood donation and encourage participation in the drive. The success of this event underscores the power of community engagement in addressing critical healthcare needs.

Collaborative awareness Drive: NCC Cadets of RVCE and RVU at Government High School - Anevent unfolded at the Government High School premises, as NCC cadets from R.V. College of Engineering (RVCE) came together for a awareness drive. This effort aimed to promote environmental consciousness and engage students in a hands-on experience of plantation.

Lake cleaning programme

The National Cadet Corps (NCC) unit at RV College of Engineering has been organizing lake cleaning activities year on year to contribute

to environmental conservation and foster community engagement. Under the banner of Puneeth Sagar Abhiyaan, the cadets of NCC RVCE were actively involved in the clean-up of the Hoskerehalli and Gantiganahalli lakes.

File Description	Documents
Upload any additional information	[View File]()
Paste link for additional information	[https://www.rvce.edu.in/ncc-nss]()

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

5

File Description	Documents
Number of awards for extension activities in during the year	[View File]()
e-copy of the award letters	[View File]()
Any additional information	[View File]()

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

28

File Description	Documents
Reports of the events organized	[View File]()
Any additional information	[View File]()

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

2772

File Description	Documents
Reports of the events	[View File]()
Any additional information	No File Uploaded

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

599

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	**No File Uploaded**

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

12

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	**No File Uploaded**

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The College encompasses a well maintained lush green campus spread over 16.85acresof land ensuring adequate availability and optimal utilization of physical infrastructure for academic activities.

Classrooms:There is sufficient number of well-furnished, ventilated, spacious classrooms equipped with LCD projectors.

Technology Enabled learning facility: The College has ICT Classrooms for Multimedia learning.

Seminar Hall: The College has multiple seminar halls regularly used for conducting national / international events.

Laboratories: College has many industry established labs which are well equipped with state of the art equipment and facilities. All the laboratories are established as per AICTE norms. Theyare utilized for conducting practical classes as per the requirements of the curriculum. Labs have sufficient licenced software and open source tools to cater the requirements of curriculum & industry enabled teaching.

Wi-Fi: The entire campus is Wi-Fi enabled with 24/7 internet facilities to the students and faculty.

Available band width: 650 MBPS. Internet facility is available in whole campus including labs, classrooms, library, offices of all Departments and hostels.

Hostel facility for Boys and Girls. College has hostels which provide accomadation for around 1200 students.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.rvce.edu.in/infra

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

The College is proactive in providing infrastructure facilities for Cultural activities, Sports and Games in various ways so that students choose and participate in the events for which they have flair. College has Cultural committee and Sports committee supported by a team of faculty members to look after all cultural, sports and extracurricular activities of the college.

Cultural Activities:College motivate students by giving full support financially and academically for participation in national and international events. College cultural activity groups are Aalaap, footprints, debating society, quizcorp a quizzing club, Rotaract, Raag, CARV (Circle of acting at RV-Kannada, Hindi and English).

Sports: The sports infrastructure facility includes a 6400sq mtr spacious cricket field, 300 sq.mtr area wooden Shuttle Badminton court,Volleyball court of 6300 Sqm, Foot Ball court and Hockey and Athletics fields. College also boosts of very spacious Indoor Basketball Stadium of dimension of 450 sqmtr at the prime place in

the campus. Other popular games facility includes Table Tennis,
Chess& Carrom. Multi Gym is another main attraction for the students
& is in the Indoor Stadium. It has all modern 12 station equipment.
Students can make use of this facility even during their leisure and
keep themselves FIT and HEALTHY.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	Nil

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

144

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

846.96

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

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

Library consists of central library and 12 department libraries
which collectively support the educational needs of all the
programmes. It has a vast collection of text books, advanced reading

books. The library has 55366 titles, 172639 volumes – which includes e-Books, department library books and book-bank books. Library document collections supports students in academics. Library department procures more than 2500 plus books each year, this process is carried out in the beginning of financial year by obtaining the requisition of number of titles to be added and volumes to be increased from Head of the Department, procurement of books, are carried out through SAP material management and service. All the Procured books will reflect in libsoft once the bills are cleared by the accounts team, all books transactions are done through libsoft software.

National Print Journals – are subscribed and renewed annually for enhancing the updated information in subject domain and inter-disciplinary subject.

e-Journals Online e resources are subscribed to all the Programmes namely, Undergraduate, Postgraduate, MCA through the VTU e-Resources Consortium. These resources are IP based and can be accessed anywhere in the campus only.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	- [http://112.133.207.137/opac/opac01/](#)

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	[View File](#)
Upload any additional information	[View File](#)

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

54.95

File Description	Documents
Audited statements of accounts	View File
Any additional information	**No File Uploaded**
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

55

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	**No File Uploaded**

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

Embracing the 802.11ax standard, Institution's WiFi infrastructure provides advanced connectivity. Over 250 access points are strategically positioned indoors and outdoors. The network incorporates of a partial 10 gigabit fiberbackbone underpins reliable and high-speed connectivity across the campus.

A 24/7 operational in-house data center houses state-of-the-art servers, storage systems, and backup solutions. Integration of essential elements such as fire suppression systems, precision air conditioning, biometric access controls, and CCTV cameras maintains optimal environment for critical IT operations.

A total bandwidth of 650 Mbps ensures network performance for all users.

Software Policies: By utilizing legally licensed software, including Microsoft Windows, Mathworks, Cadence, Adobe, the institution upholds its responsibility to intellectual property and compliance.

Towards IT infrastructure upgrade, the expansion of fiber optic

connectivity, the deployment of high-capacity core switches, the provision of distribution switches, and the enhancement of wireless infrastructure are brought in to provide a state of art technology. The integration of Hyper-Converged Infrastructure (HCI) bolsters computing capabilities, and the implementation of Aruba ClearPass solution strengthens wireless authentication. The integration of biometric attendance through IP-based face recognition readers, integrated with SAP, streamlines attendance management aong with .260 cameras and 20 network video recorders, contributes to a secure campus environment.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	- https://rvce.edu.in//Campus-IT-Infrastructure

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
5897	**2656**

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus	**A. ?50 Mbps**

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	**No File Uploaded**

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing	**B. Any three of the above**

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://rvce.edu.in/sites/default/files/DigitalMediaCentre.pdf
List of facilities for e-content development (Data Template)	[View File](#)

4.4 - Maintenance of Campus Infrastructure

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

1261.35

File Description	Documents
Audited statements of accounts	[View File](#)
Upload any additional information	[View File](#)

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

At the RV College of Engineering, we have clear policies and procedures to create, maintain and upgrade the Infrastructure for enhancing the Teaching, Learning process regularly,also provide impetus on expending the Budget in creating and maintaining state of the art facilities in terms of Buildings, Student space, Laboratory equipment's, Teaching aids, Learning resources etc to enhance the overall student experience.

We have recently launched online complaint management system link:http//172.16.2.113

Computers & Information Technology Infrastructure Maintenance: The College has the following Computers & Information Technology (I.T) Infrastructure, namely 73 Computer Labs,2656 Computers,1 Browsing Centre,Servers,Data Centre,Internet Bandwidth of 650 Mbps with Wi-Fi connectivity.

Information Technology related issues in the campus are logged through an internal portal. Calls are assigned to the technicians and after completion, the status is updated. The URL is http://172.1

`6.2.112/IT_Maintenance/Complain-Management-System/login.php`

`Environmental Audit, Disability audit and Energy Audit have been done from time to time.`

`Computers & Peripherals, Network Infrastructure: Preventive / Routine maintenance is handled by the respective department technical staff.`

`Servers: Hardware Maintenance of Servers has been outsourced.`

`Services: All IT Services are managed internally with some minor external vendor/ OEM support.`

`Software: Apart from the perpetual licenses the other software are regularly renewed with the respective vendors`

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	`Nil`

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

`680`

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	[View File](#)
Upload any additional information	`No File Uploaded`

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

`146`

File Description	Documents
Upload any additional information	**No File Uploaded**
Institutional data in prescribed format	[View File](#)

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

`A. All of the above`

File Description	Documents
Link to Institutional website	https://www.rvce.edu.in//
Details of capability development and schemes	[View File](#)
Any additional information	[View File](#)

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

`85`

File Description	Documents
Any additional information	**No File Uploaded**
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	[View File](#)

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

`A. All of the above`

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

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

1128

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	**No File Uploaded**

5.2.2 - Number of outgoing students progressing to higher education

162

File Description	Documents
Upload supporting data for students/alumni	**No File Uploaded**
Details of students who went for higher education	View File
Any additional information	**No File Uploaded**

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

162

File Description	Documents
Upload supporting data for students/alumni	<u>View File</u>
Any additional information	**No File Uploaded**

5.3 - Student Participation and Activities

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

0

File Description	Documents
e-copies of award letters and certificates	**No File Uploaded**
Any additional information	**No File Uploaded**

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

PROFESSIONAL SOCIETIES

Every student is advised to become a member of at least one of the Professional Societies which are active in the institution. They are required to actively participate in the Professional Society activities which will enhance their overall skills, organizational capabilities, and leadership qualities apart from opportunity to network with experts from industries,R&D organizations.

1. IEEE Student Branch with three societies Societies

i) Antennas & propagation Communication

ii) Computer

iii) Power & Energy Society

iv) Robotics & Automation

v) Signal Processing Ø Affinities & Humanitarian

i) Women in Engineering

ii) SIGHT (Special Interest Group on Humanitarian Technology)

2. International Society of Automation(ISA)

3. Computer Society of India(CSI)

4. Information Systems Audit and Control Association(ISACA)

5. Indian Institute of Chemical Engineers

6. Indian Concrete Institute(ICI)

7. American Society for Civil Engineers(ASCE)

8. Indian Institution of Industrial Engineers

9. Fluid Power Society of India(FPSI)

10. Indian Society for Heating, Refrigeration and Air Conditioning Engineers (ISHRAE)

11. Indian Society for Technical Education(ISTE)

TECHNICAL INNOVATIVE TEAMS

1 ASHWA RACING

2 TEAM VYOMA

3 TEAM CHIMERA

4 TEAM GARUDA

5 TEAM HELIOS

6 SOLAR CAR TEAM

7 PROJECT JATAYU

8 TEAM ASTRA

9 TEAM KRUSHI

10 TEAM ANTARIKSH

11 FREQUENCY CLUB

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	**Nil**

5.3.3 - Number of sports and cultural events / competitions organised by the institution

0

File Description	Documents
Report of the event	**No File Uploaded**
List of sports and cultural events / competitions organised per year	**No File Uploaded**
Upload any additional information	**No File Uploaded**

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

The Alumni Association of RVCE [AARVCE] was registered in the year 1982 under the Society act. It is doing service to the society and also supporting institutional growth through Alumni Bridge. The Association (AARVCE) is regularly planning and executing meaningful events in the institution through the departments in fulfilling its vision. We are proud to mention that few notable alumni are in close contact with their departments who facilitated the establishment of industry supported laboratories in the institution. Registered number: 405/2003-2004.

SAARTHAKA TRUST – Registered Civil Engineering department identifies meritorious among various disciplines of engineering. In the year 2020 58 students were benefited and an amountwas distributed.

Electronics and Instrumentation the batch of 1995 Alumni - celebrated their Silver Jubilee of obtaining their B.E. degree, during Jan./Feb. 2021.In this event they awarded 08 students of current (3rd and 5th sem) - E&I dept., Scholarships forstudents. A tv Screen was gifted to the EIE dept. - to display the Circulars/Notices/TimeTables/Exams or Tests /Quiz Schedules, etc., as a mark of remembrance. They also honoured 04 professors and 02 lab instructors with silver gifts.

The Chemical Engineering 1995 batch collected the amount and supported a poor chemical engineering student. It was given to a student on Chemical Engineering Alumni Day.

In the dept. of Electronics and Communication the Alumni sponsor for the Hostel facility, tuition fee and issue a laptop for merit cum need students. The number of alumni following in our official LinkedIn page https://www.linkedin.com/school/rvcengineering/ is 26000+Alumni.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	Nil

5.4.2 - Alumni's financial contribution during the year

D. 2 Lakhs - 5 Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

The governance of the institution begins with the formulation of the vision and strategic planning and the stakeholders were involved in formulating the vision statement. The leadership of the institution work towards meeting the aspirations of the vision framed. Based on the vision the mission statements for the institution has been derived. The following are the vision and mission statemnets of the institution along with core values and Quality policy.

VISION:

Leadership in Quality Technical Education, Interdisciplinary Research & Innovation, with a focus on Sustainable and Inclusive Technology.

MISSION:

- To deliver outcome based quality education, emphasizing on experiential learning with state of the art infrastructure.
- To create a conducive environment for interdisciplinary research and innovation
- To develop professionals through holistic education focusing on individual growth, discipline, integrity, ethics and social sensitivity.
- To nurture industry-institution collaboration leading to competency enhancement and entrepreneurship
- To focus on technologies that are sustainable and inclusive,benefiting all sections of the society.

VALUES:

- To inculcate a strong sense of honesty, commitment to quality,ethics,team work and adapting and respecting the institutional and local culture
- A general sense of civility and decency in one's communication, appearance and behavior

QUALITY POLICY:

Excellence in Technical Education, Interdisciplinary Research and Consultancy through Outcome Based Curricula focusing on Continual Improvement by Benchmarking with Global Practices and beyond stake holders expectations

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://www.rvce.edu.in/sites/default/files/STRATEGIC%20DEVELOPMENT%20PLAN-RVCE%20Document_2017.pdf

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Decentralization of Administration at the Institutional Level:

Head of the Department: 12 departments and 3 Basic Sciences departments

Director: Master of Computer Application

Dean (Academics): The academic planning & implementation

Dean(Students Affairs): Address all the students related matters and grievances (If any).

Controller of Examination (CoE): statutory authority on all Examination affairs, maintains the confidentiality and integrity of the examination affairs.

Dean (Cultural Activities Team CAT) :Student activities invarious cultural and extracurricular activities

Dean Placement: Takes care of the placement and industry interaction

Dean R&D: All Research Activities

Director of Department for Sports & Physical education: manages the sports affairs of the institution

Chief librarian takes care of the Department of library &the Knowledge repository of the institution.

Wardens: Take care of the Hostel Adminsitration of both boys and girls

Participative Management of the Institution: - There are committees constituted by the institution to take care of the multifarious activities of the institution.The list of the committe is attached.

To achieve good governance through Governing Body (GB), takes the inputs from various branches of institutional committees.

Sustainability is an important factor of good Governance and it is important that all the stake holders act responsibly to achieve this.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://www.rvce.edu.in/sites/default/files/ STRATEGIC%20DEVELOPMENT%20PLAN- RVCE%20Document_2017.pdf

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

In order to achieve the strategic goals, the institution governing team looks forward for contributions from every one inside the system and the stake holders.The long term plans have been laid down in the strategic plan document in consultation with Department committees, joint workshops of senior professors for strategy formulation.

The Institutional Monitoring Planning and Policy Implementation Committee (IMPPIACT) which consists of HoDs and Deans are responsible for continuous improvement through identifying needs, bringing in discipline, defining research activities, future plans etc. Strategic planning is done under the following headings.

Curriculum Development: Teaching and Learning:

Teaching and Learning process

Examination and Evaluation

Examination Process

Examination system

Research and Development

The details of these are provided in the list attached herewith:

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.rvce.edu.in/sites/default/files/ STRATEGIC%20DEVELOPMENT%20PLAN- RVCE%20Document_2017.pdf
Upload any additional information	View File

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

The functioning of various Institutional bodies of RVCE played a crucial role in governing and managing the Institution effectively on its way to success. The critical evaluation and examination of these policies, administrative practices, service rules, and procedures for its effectiveness and efficiency of these bodies have proved beyond doubt and paved way to identify the areas of improvement and implement changes that optimise the functioning and ultimately lead to achieve the set institutional Goals.

The Administrative practices:

- the day-to-day operations, management, and execution of tasks within the Institution.
- The organizational structureis very conducive to efficient decision-making, communication, and workflow.
- The resources like human, financial, and material were effectively allocated and utilized to achieve the goals.

Service rules defined by RVCE is Intune with the behaviour, conduct, and expectations of employees within the Institution. As per the feedback the employees are satisfied with the existing service rules, and they also feel that they can contribute positively to the conducive work environment.

The Procedures are outlined to perform the routine tasks and processes within the Institution. They are efficient, optimised adaptable to various circumstances and if necessary, there is scope for scaling up and down as desired.

File Description	Documents
Paste link to Organogram on the institution webpage	https://www.rvce.edu.in/key-executives
Upload any additional information	View File
Paste link for additional Information	Nil

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination	A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

1. Age of Superannuation – 65 years (faculty) & 60 years (Technical & Administrative staff)
2. Sponsoring for upgradation of academic and technical qualifications with full salary
3. OOD facilities for Training / Examinations
4. Financial assistance for attending Conferences / Paper Publications, including International visits
5. Revenue Sharing on consultancy works (60:40)
6. Transportation facility at concessional rate
7. Sabbaticals to premier institutions and industries
8. EL encashment and Gratuity, Maternity Leave
9. Uniform & Allowances for Support Staff
10. Fee concession for staff's wards and admission for staff wards in other RV institutions
11. Staff Quarters facility for class 4 employees
12. Medical Insurance, ESI, EDLI & GSLI for employees
13. Accident Insurance for students and one earning parent

14. Annual recognition based on appraisal (Rs. 10,000 cash award)

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	**Nil**

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

08

File Description	Documents
Upload any additional information	**No File Uploaded**
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	[View File](#)

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

27

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	[View File](#)
Upload any additional information	**No File Uploaded**

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

351

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	**No File Uploaded**

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Yes, RVCE conducts internal and external financial audits regularly.

Internal Audit: RSST has appointed internal Auditor Mr.S. Ashok, Chartered Accountant, M/s.Ashok Shivaji Rao & Co, No.1127, 1st Floor, 5th Main, A Block, Subramanyanagara, 2nd Phase, Rajajinagar, Bangalore- 560 010 for R.V. College of Engineering. Monthly audits are carried out by internal auditor's team. The audit objections raised during internal audit are rectified and recommendations for process improvement are implemented. The Internal audit team verifies all payments, receipts, vouchers of the transactions, ledgers,

External Audit: RSST has appointed External Auditor M/s.Santhappa & Co, Chartered Accountants, Unit No.201, II floor, house of lords, 15 & 16, St Maks Road, Bengaluru – 560 001 to perform an audit of the financial statements. The institution follows the mercantile system of accounting and complies with the guidelines and Standards on accounting recommended by the Institute of Chartered Accountants of India (ICAI). The financial records are audited by qualified chartered accountants at the end of each financial year. The financial records that are certified include income and expenditures, balance sheet and prepared notes to the accounts are certified. The Institution also publishes audited financial statements on the institution's website as information for the public.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.rvce.edu.in/sites/default/files/AFS%2020-21.pdf

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

30.57107

File Description	Documents
Annual statements of accounts	View File
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	No File Uploaded

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Annual budgets and its review is taken up in GB, however for approvals, implementation and assessment of these, there are four committees set up in the institution namely:

1. Finance Committee
2. Technical Purchase Committee
3. Accounts Committee

(i) The Finance Committee (FC) is responsible of looking into the sustainability aspects and approves institutional and department budgets depending on the availability of funds, internal IRG and anticipated external funding. The Finance committee is composed of:

ii) Technical Purchase Committee (TPC), goes into the processes followed in getting quotes, Justification of purchases exceedingRs.2.00 lacs. It is responsible for thetransparency in purchases and approves to place orders.

(iii) Accounts Committee (AC),hand holds the departments to finalize procurement files, before they are forwarded to TPC. It also looks in to common purchases, Justification, alternative solutions etc.

Accountability and financial sustainability is planned through the Departmental budgeting procedures committee along with the above three committee

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://www.rvce.edu.in/sites/default/files/ AFS%2020-21.pdf

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

During the Pandemic, IQAC at RVCE facilitated

Teaching Learning:

- **conduction of online classes using the in-house LMS Quiklrn platform with proper orientation to faculty**
- **Breakout sessions were created to have more interactive classes.**
- **Tests and Quizzes were conducted online on proctoring window of 20 students**
- **Evaluation and assessment of the Experential learning was done through Video assignments, demonstration of prototype on online platform**

Teaching Effectiveness:

- **Effectiveness of teaching was monitored by the IQAC team through surprise visit to the online classes.**
- **Survey was sent to students to know the comfortableness of students to the online classes.**
- **After Pandemic,the retention of students were improved by more interactive classes through ICT based teaching methods.**

Efficiency and Resource Adequacy:

- **bandwidthenhanced with additional 500MBPS**
- **Scribe notepads which could be interfaced to allow the writing for the faculty while teaching.**
- **Class rooms with additional cameras to facilitiate black board teaching forthe students online.**

Academic and Employability needs:

- **The IQAC ensured that the placement is not being affected due to the online and offline transitionthrough specific training from placement department.**
- **Specific technical talks and workshops were conducted online to address the industry needs.**
- **Periodic motivational sessions were conducted through the senior students**

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	**Nil**

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

Academic auditing via the IQAC is a comprehensive process in which each academic department conducts a Self-Evaluation Report, reviewed by an Audit team comprising faculty and experts. The audit encompasses various facets, including curriculum, teaching methods, assessments, research, and more. Importantly, it involves direct interaction with faculty and students to gauge practical implementation and engagement.

The interaction phase is pivotal, fostering idea exchange and constructive feedback. Post-audit, a detailed report is generated, synthesizing findings and offering commendations, areas for improvement, and actionable recommendations. This report empowers departments to assess strengths and weaknesses objectively.

Following a collaborative approach to continuous improvement, the report is shared with the department, initiating a feedback and corrective action cycle. This enables targeted enhancements aligned with the institution's pursuit of academic excellence.

Areas covered during the audit include student academic performance, attendance, syllabus coverage, ICT integration, course file maintenance, lab-related matters, faculty development, and student extracurricular activities. Outcomes are scrutinized for corrective

measures.

In summary, academic auditing through the IQAC ensures a holistic review of teaching and learning processes, promoting a culture of reflection, adaptation, and growth within the institution.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)	A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://www.rvce.edu.in/mandatory-disclosure
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

These initiatives taken by RVCE (Rashtreeya Vidyalaya College of Engineering) are commendable and play a significant role in

promoting gender equality and inclusivity on their campus.

1. **Gender Sensitization Workshops: Organizing annual gender sensitization workshops is crucial for raising awareness about gender issues and biases.**

2. **Creating Safe Spaces: Providing safe spaces with CCTV facilities is essential for ensuring the physical safety and security of both staff and students.**

3. **Anti-Harassment Policies: The establishment of a College Internal Compliance Committee (CICC) in line with UGC and VTU guidelines is a proactive measure to prevent and address gender-based harassment, discrimination, or misconduct.**

4. **Scholarships and Grants: Instituting scholarships, grants, or financial support specifically for female students in engineering fields can help break down financial barriers and encourage more women to pursue education in traditionally male-dominated fields.**

5. **Recognition for Women Achievers: Providing awards and incentives to women achievers in various fields such as sports, academics, and research is an excellent way to acknowledge their contributions and inspire others.**

6. **Awareness Campaigns: Organizing awareness campaigns during events like International Women's Day through groups like Women In Engineering (WIE) is a great way to engage the entire campus community in discussions about gender equality and women's rights.**

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	**Nil**

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-	**A. Any 4 or All of the above**

efficient equipment

File Description	Documents
Geotagged Photographs	[View File](#)
Any other relevant information	**No File Uploaded**

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

The institute has implemented a comprehensive set of environmentally responsible practices for waste management and sustainability. These initiatives include a tri-bin system for effective separation of recyclable and biodegradable waste, overseen by professional waste contractors, with recyclables managed by Lucky Enterprises in Bengaluru as per the MoU. Additionally, there is a Sewage Treatment Plant (STP) with a specified capacity, treating sewage from both the institute and hostel, and the treated water undergoes rigorous quality testing to meet CODAL standards before reuse. The college dispensary ensures meticulous segregation and management of biomedical waste, strictly adhering to guidelines set by the Karnataka State Pollution Control Board.

E-waste bins are strategically placed across the campus, promoting responsible disposal of electronic waste. The institute also boasts a robust waste recycling strategy, emphasizing its commitment to sustainability. Hazardous chemicals and radioactive waste generated in laboratories are carefully disposed of in accordance with Material Safety Data Sheet (MSDS) guidelines. These practices collectively reflect the institution's dedication to sustainable waste management, water conservation, and environmental stewardship. Continuing such efforts is pivotal in maintaining a greener and more sustainable campus.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	[View File](#)
Geotagged photographs of the facilities	**No File Uploaded**
Any other relevant information	[View File](#)

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore | **A. Any 4 or all of the above**

well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

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

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

B. Any 3 of the above

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	No File Uploaded

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

1. Green audit
2. Energy audit
3. Environment audit
4. Clean and green campus recognitions/awards
5. Beyond the campus environmental promotional activities

B. Any 3 of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.	A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	No File Uploaded

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

RV College of Engineering has taken extensive institutional strides to foster an inclusive environment that prioritizes tolerance, harmony, and the celebration of diversity across various cultural, regional, linguistic, and communal backgrounds.

In the pursuit of this objective, the college places considerable emphasis on raising awareness among both students and staff about

their constitutional obligations, values, rights, duties, and responsibilities as citizens. This involves employing a multifaceted approach

Firstly, the college hosts a range of cultural and diversity programs, exemplified by events like Ethnic Day, which serve to commemorate the rich tapestry of cultures and traditions within the institution. This not only fosters a sense of unity but also amplifies the beauty of diversity.

Secondly, language and regional integration are promoted, with initiatives aimed at integrating various languages and regional identities. The goal is to ensure that linguistic diversity becomes a source of strength and mutual appreciation rather than division.

Thirdly, the institution actively engages in community outreach and engagement, solidifying connections and collaborations that advance inclusivity and social responsibility.

Lastly, collaborative projects, both within and outside the institution, encourage interaction among individuals from different backgrounds and communities.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View File](#)

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

RV College of Engineering (RVCE) is deeply committed to instilling values that foster responsible citizenship, aligning closely with the principles enshrined in the Constitution of India.

Integration into Curriculum: RVCE incorporates constitutional values and responsibilities into its academic curriculum, ensuring that students develop a firm foundation in their roles as responsible citizens.

Seminars and Workshops: In addition to regular coursework, RVCE organizes seminars and workshops that encourage meaningful

discussions on constitutional values. These events promote critical thinking and a deeper understanding of citizenship.

Constitution Day Celebrations: RVCE enthusiastically observes Constitution Day, Republic Day, and Independence Day. Eminent leaders and speakers engage students and staff in discussions, lectures, and interactive sessions, facilitating contemplation on the Constitution's contemporary relevance.

Ethics and Citizenship Clubs: The institution actively encourages the formation of student clubs focused on constitutional values. These clubs provide platforms for engaging discussions and activities related to responsible citizenship.

Civic Awareness CampainsRVCE conducts awareness campaigns addressing topics such as voter education, environmental conservation, and social justice.

Guest Lectures by Role Models: Distinguished individuals who have made significant contributions to society are invited by RVCE to deliver guest lectures.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	[View File](#)
Any other relevant information	No File Uploaded

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

File Description	Documents
Code of Ethics - policy document	[View File](#)
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	**No File Uploaded**
Any other relevant information	[View File](#)

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

RV College of Engineering (RVCE) has actively embraced the celebration and organization of various national and international commemorative days, events, and festivals, enriching the campus experience and fostering a sense of unity, awareness, and cultural exchange among its diverse student community.

Independence Day and Republic Day Celebrations:

- **Constitution Day Observance**
- **International Women's Day.**
- **World Environment Day**
- **Blood Donation Camps**
- **Technical and Cultural Fests**
- **International Days**
- **Festivals**
- **Awareness Campaigns**
- **Entrepreneurship and Innovation Events**

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	[View File](#)
Geotagged photographs of some of the events	**No File Uploaded**
Any other relevant information	**No File Uploaded**

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

Objectives The core objective of this innovative initiative is to nurture a culture of innovation, design-oriented thinking, and practical problem-solving among students. Through a structured approach that includes skill labs, design thinking labs, minor and major projects, and multidisciplinary exploration, the program seeks to enhance technological innovation and dynamic learning. Ultimately, the aim is to equip students with comprehensive skills for leadership, innovation, and research in the ever-evolving technological landscape, bridging the gap between theory and application.

Underlying Principles The program aligns closely with emerging technological trends and envisions a continuous learning journey that instills innovative thinking and research acumen, preparing students to make meaningful contributions in the tech sector.

The Practice: The "Women in Cloud CoE in India" initiative addresses gender diversity, a rarity in traditional Indian engineering education. While gender inclusion was a success, broader diversity aspects posed ongoing challenges.

Evidence of Success: Overall, this initiative has successfully instilled research acumen, innovation, and problem-solving skills while contributing to significant research advancements in various domains, making it a transformative force in engineering education.

File Description	Documents
Best practices in the Institutional website	https://www.rvce.edu.in//
Any other relevant information	**Nil**

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

RV College of Engineering's core values and initiatives:

RV College of Engineering (RVCE) is committed to creating an inclusive and diverse campus environment that encourages tolerance, harmony, and an appreciation for diversity across cultural, regional, linguistic, and communal backgrounds. The institution places a strong emphasis on educating both students and employees about their constitutional obligations, values, rights, duties, and

responsibilities as responsible citizens.

This commitment is evident through various multifaceted approaches, including curriculum integration, seminars, and workshops that promote discussions on constitutional values, celebrations of Constitution Day, the presence of ethics and citizenship clubs, legal literacy programs, civic awareness campaigns, guest lectures by accomplished role models, volunteer initiatives, and community engagement activities. Furthermore, RVCE focuses on innovative teaching pedagogies, emphasizing project-based learning and interdisciplinary approaches.

RVCE's holistic approach to education aims to prepare students to become active and responsible citizens who can make positive contributions to society while upholding the principles enshrined in the Constitution of India.

File Description	Documents
Appropriate link in the institutional website	www.rvce.edu.in
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

This comprehensive strategic plan positions RV College of Engineering at the forefront of academic excellence, innovation, sustainability, and holistic development, promising a bright future for the institution and its stakeholders. The institution's strategic plan for the upcoming academic year reflects a commitment to excellence and innovation across multiple domains.

1.Academic excellence takes center stage with the institution's resolve to align the curriculum with industry trends, implement Outcome-Based Education (OBE) practices, and empower faculty through innovative teaching methodologies.

2.Research and innovation flourish through interdisciplinary collaboration, research paper publications, and partnerships with research organizations and industry players.

3.Entrepreneurship and startups find a nurturing ground with an expanded incubation center, entrepreneurship-focused events, and financial support from investors.

4.Infrastructure development strives for state-of-the-art

facilities, sustainability practices, and a robust digital infrastructure.

5.Student engagement and well-being encompass cultural activities, career counseling, mental health initiatives, and a holistic development approach.

6.Community engagement initiatives forge partnerships, volunteerism, and awareness campaigns on societal and environmental issues.

7.Effective governance ensures compliance, transparency, and accountability, while sustainability and green practices drive eco-friendly measures and curriculum integration.

8.Alumni engagement fosters alumni connections, mentorship, and contributions to institutional growth.

9.Finally, financial planning secures sustainable growth through strategic resource allocation.