



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution		RV COLLEGE OF ENGINEERING
Name of the head of the Institution		K N Subramanya
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		080-67178020
Mobile no.		9663699299
Registered Email		principal@rvce.edu.in
Alternate Email		subramanyakn@rvce.edu.in
Address		RV Vidyaniketan Post, Mysuru Road
City/Town		Bengaluru
State/UT		Karnataka
Pincode		560059
2. Institutional Status		

Autonomous Status (Provide date of Conformant of Autonomous Status)	10-Dec-2007
Type of Institution	Co-education
Location	Urban
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr. N.S. Narahari
Phone no/Alternate Phone no.	08067178408
Mobile no.	9880311128
Registered Email	naraharins@rvce.edu.in
Alternate Email	iqac@rvce.edu.in

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://rvce.edu.in/naac-docs
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4. Whether Academic Calendar prepared during the year

Yes

if yes, whether it is uploaded in the institutional website:
Weblink :

<https://www.rvce.edu.in/calendar-of-events>

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	B	2.8	2015	15-Nov-2015	15-Nov-2020

6. Date of Establishment of IQAC

30-Mar-2016

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
No Data Entered/Not Applicable!!!		

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
No Files Uploaded !!!				

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

Yes

Upload latest notification of formation of IQAC

[View Link](#)

10. Number of IQAC meetings held during the year :

4

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

Yes

Upload the minutes of meeting and action taken report

[View Uploaded File](#)

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

No

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

- 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 continuously 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
- 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 were greatly facilitated by the infrastructure setup in these Centres of Excellence. The institution also conducted the online graduation ceremony using the facilities of this center of excellence. • 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. • Centre of Excellence in computational Genomics: This centre 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. • Support for researchers and innovators through an interdepartmental committee on matters of Intellectual property rights and granting funds for filing patents and patent processing. During the year 20192020, the institution filed six patents, one Published Patent and two patents were granted. • Introduction of an employee selfhelp 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 covering various SAP modules.

No Files Uploaded !!!

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

Plan of Action	Achivements/Outcomes
No Data Entered/Not Applicable!!!	
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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
UGC Expert Committee - Extension of Autonomy	14-Feb-2020

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

No

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission	2020
Date of Submission	14-Feb-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>SAP ERP package is implemented for Modules such as ? Finance Controlling(FICO), ? Human Capital Management(HCM) ? Materials Management (MM). Success Factor involving Leave Management System is up and functioning and the implementation of the Student Life cycle Management module is currently in progress. MM (Materials Management): All the purchases will be routed through MM as follows: 1. Purchase Requisition (PR) will be initiated to get approval for the purchase. Based on the approval limit, the requisition will get approved through system. 2. As soon as the PR get approved, the Request for Quotation (RFQ) will be placed for concerned approval. Based on the approval limit, the RFQ will get approved through the system 3. The quotation will be called, consolidated and the prices for the same will be maintained in MM. Based on the final negotiated price, comparative statement will be extracted. The vendor will be selected based on the least quote, technical specification etc. 4. Purchase Order (PO) will be placed for approval from the concerned authorities. Soon after the approval of PO, the PO will be released to the concerned vendor. As soon as we receive / obtain the materials / service, a transaction called MIGO for goods and Service entry sheet for services will be entered and the file will be handed over to Accounts section for payment. HCM (Human Capital Management): The details of appointments, relieving, Increments, promotion, encashment, Leave without pay etc. allowances or deductions related to staff will be received from Establishment section and will be keyed in HCM module. Other remunerations and statutory deductions will be entered / checked and the salary will be processed and a run number will be given to Accounts section to verify the mapping of</p>

General ledgers with amount. As soon the Accounts section authenticates the correctness, necessary postings will be made. FICO (Finance Controlling): All the financial transaction whether it's a receipt or expenditure will be entered in FICO. Non PO items will be directly taken into FICO and purchases through PO will be processed by the T Code MIRO with interface of MM. HCM interface entries will be processed for payment of salary and other statutory deductions. All the asset creation and asset capitalization will be done through FICO. Cheque printing, invoice posting, Bank Reconciliation Statements etc will be processed through FI entries. Record Keeping: All the documents related to above said processes can be digitally saved in SAP_DMS (Document Management System). At present, the documents are maintained both the ways in DMS hard copies.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

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

Name of Programme	Programme Code	Programme Specialization	Date of Revision
No Data Entered/Not Applicable !!!			
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
No Data Entered/Not Applicable !!!				
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Aerospace Engineering	Nil

BE	Biotechnology	Nil
BE	Chemical Engineering	Nil

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
No Data Entered/Not Applicable !!!		
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
No Data Entered/Not Applicable !!!		
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
<p>The IQAC has been following a systematic approach to collect and analyze the students feedback on all the aspects of overall development of the institution such as, teaching learning process, infrastructure, facilities, faculty etc., at regular intervals. Feedback form/formats are designed for the stakeholders. This includes faculty feedback, alumni feedback, student feedback, course exit survey, etc. Faculty feedback from the students for the respective course is taken twice in a semester on various teaching/learning aspects and it is analyzed by the HODs and corrective measures if any, are informed to the respective faculties for further improvements. A 360 degrees appraisal system exists (Self-appraisal, peer appraisal, HoDs appraisal and student appraisals) and the staff is counselled to overcome weaknesses and excel in their respective fields. Key posts are offered by rotation. The use of technology for performance assessment was initiated 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. Feedback about the infrastructural facilities is taken from the final year students at the end of the program for improving the lab facilities, if any. The feedback so obtained is analyzed for further improvement. Parent-teacher meetings are held every semester to inform the parents regarding the progression of the students and their feedback about the institution is also collected during the same meeting. Feedback is taken from alumni for suggestions or improvements in the curriculum. Feedback from the final year students are taken for their suggestions in improving the curriculum and it is conveyed to the Chairman, BOS of the respective programs of the college. Feedbacks from faculties are also taken for their suggestions in syllabus revision. Feedback is also collected from the Recruiting Companies.</p>

This feedback is discussed in meeting of Placement and Training department and conveyed to the respective programs. Feedback is key tool which triggers in continuous improvement in the quality of education. The feedback is taken from students in order to analyze and implement solutions as per their needs. Also, feedback is taken from experts and external examiners on quality of our students. Based on the above feedbacks and suggestions received, corrective measures will be initiated.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
No Data Entered/Not Applicable !!!				
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	4748	976	280	86	365

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
365	365	106	130	20	6
View File of ICT Tools and resources					
View File of E-resources and techniques used					

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

Mentoring is one of the many aspects of faculty positions that are not generally taught. There is a strong mentoring / counselling system in the institution. Faculty members advise undergraduates, postgraduate students with any kind of support required on campus. There are totally 51 counsellors for the I/II semester B.E. students. The counsellors are so chosen that he / she will be handling the class of their students. On the same lines, there are totally 180 counsellors for the III to VIII semester B.E. students and additional 20 counsellors for the M.Tech students. On an average there will be one counsellor for every 20/24 students. The counsellors are trained by experts time to time. The counsellors maintain a file for each of their mentees details including academic performance, personal information of the student, participation certificates for extra and co-curricular information. It will also contain the progress reports of CIE after each CIE, copies of grade cards, correspondences with parents etc. The students are required to meet the counsellors 5 times compulsorily during each semester as detailed below. 1. To register at the beginning of the semester. 2. To collect the 1st progress report. 3. To return the photocopy of the 1st progress report after obtaining the parent's signature 4. To collect the 2nd progress report. 5. To return the photocopy of the 2nd progress report after obtaining the parent's signature Students whose academic performance is very poor are identified and called for special counselling as well as special remedial classes were conducted. Services of specialists like doctor, psycho counselling are also available in the college as and when required. Counsellors also train students to develop their professional skills,

teach students how to communicate clearly, work with others and develop the skills they will need in their chosen careers which is vital to their success. These skills help students find jobs in their chosen fields and also keep them motivated. Professional and Personal guidance: As soon as student joins first year, the counsellor is appointed for each student. The counsellor conducts the meeting and informs about college rules and regulations and find out about their special interests, problem, any health issue etc. and accordingly suggest the remedial solutions at their capacity: very special cases are brought to the notice of Dean Student Affairs and Principal for further action. The counsellor changes at III semester and continue till VIII, during their course. The counsellor apart from academic help, advise them about the opportunities regarding placement, higher education, entrepreneurial and preparation for competitive examination like UPSC, other government jobs, Defence services, social services etc. No. of faculty mentors for UG program : 251 No. of students: 20/24 per mentor Frequency of Meeting : 05 times per semester

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
5724	366	1:16

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
340	369	0	4	210

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
No Data Entered/Not Applicable !!!			
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
No Data Entered/Not Applicable !!!				
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	5890	0

2.6 – Student Performance and Learning Outcomes

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

www.rvce.edu.in
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2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
No Data Entered/Not Applicable !!!					
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2.7 – Student Satisfaction Survey

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

[_Student satisfaction survey was conducted in order to obtain the comprehensive feedback of students about the teaching learning process followed in the institution. A total of around 1700 students responded to the survey conducted online. The results of the survey are tabulated below.](#)
<http://www.rvce.in>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

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

Yes
Name of the teacher getting seed money
Nil
View Uploaded File

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

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
No Data Entered/Not Applicable !!!				
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3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
No Data Entered/Not Applicable !!!				
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

18

3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative

practices during the year

Title of workshop/seminar	Name of the Dept.	Date
No Data Entered/Not Applicable !!!		
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
No Data Entered/Not Applicable !!!				
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
BIOTECHNOLOGY	2
CIVIL ENGINEERING	4
CHEMICAL ENGINEERING	2
COMPUTER SCIENCE ENGINEERING	4
ELECTRICAL ELECTRONICS ENGINEERING	1
ELECTRONICS INSTRUMENTATION ENGINEERING	4
INFORMATION SCIENCE ENGINEERING	2
INDUSTRIAL ENGINEERING AND MANAGEMENT	2
MECHANICAL ENGINEERING	4
TELECOMMUNICATION ENGINEERING	1
MASTERS OF COMPUTER APPLICATION	2
CHEMISTRY	2

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

Type	Department	Number of Publication	Average Impact Factor (if any)
No Data Entered/Not Applicable !!!			
View Uploaded File			

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

Department	Number of Publication
No Data Entered/Not Applicable !!!	
View Uploaded File	

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
No Data Entered/Not Applicable !!!			
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						
View Uploaded File						

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						
View Uploaded File						

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

Number of Faculty	International	National	State	Local
No Data Entered/Not Applicable !!!				
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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
No Data Entered/Not Applicable !!!			
View File			

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

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
No Data Entered/Not Applicable !!!				
View File				

3.6 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!			
View File			

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

during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
WORLD MARROW DONOR, SEPT 2019	APPRECIATION FOR CONTRIBUTION	DKMS-BMST	300
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!				
View File				

3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
No Data Entered/Not Applicable !!!					
View File					

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
No Data Entered/Not Applicable !!!			
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
1621.09	587.68

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added

Campus Area	Existing
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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
LIB SOFT	Fully	12.0 CLOUD	2017

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total
No Data Entered/Not Applicable !!!			
View File			

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr.Neethi Ghiya	Engg Mathematics I	Quiklrn	01/09/2019
Dr.Mahesh R	Engg Chemistry	Quiklrn	01/08/2019
Prof.Jyothi Shetty	Programming in C	Quiklrn	01/08/2019
Dr.K.S.Geetha	Elements of Electronics Engg	Quiklrn	01/08/2019
Dr.Prapul Chandra A C	Elements of Mech Engg	Quiklrn	01/08/2019
Dr.Bindu Ashwini	Eng Language Lab I	Quiklrn	01/09/2019
Dr.Shubha S	Engg Physics	Quiklrn	01/08/2019
Dr.G.S.Anitha	Elements of Electrl Engg	Quiklrn	01/08/2019
Dr.Ravindra R	Elements of Civil engg Mechanics	Quiklrn	01/08/2019
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	2656	73	650	1	1	1	16	650	3
Added	0	0	0	0	0	0	0	0	0
Total	2656	73	650	1	1	1	16	650	3

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

650 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
DIGITAL MEDIAL CENTRE	http://112.133.207.133/manage/foldercontent.html?folder=videos
NPTEL VIDEOS	http://172.16.44.44/nnptel.html
QEEE LECTURE VIDEOS	http://172.16.30.122/umesh/elearning/elearning.php
QUIKLRN	http://quiklrn.com/students.php

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
1748.2	1361.77	853.14	251.75

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

Infrastructures Library, IT, Sports, etc At the R.V. College of Engineering, we have established clear policies and procedures to create, maintain and upgrade the Infrastructure for enhancing the Teaching-Learning process at regular intervals of time. We consider Human resource as the pivotal and most important assets and follow proper systems and processes to recruit, maintain, and retain our Staff members (in Teaching, Technical and Administrative roles). We also provide impetus on expending the budgets in creating and maintaining state-of-the-art Facilities in terms of Buildings, Student spaces, Laboratory equipment, Teaching aids, Learning resources, etc to enhance the overall student experience at our institution.

<https://rvce.edu.in/rvce-Infrastructures-Library-IT-Sports-etc>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Nil	Nil	Nil
Financial Support from Other Sources			
a) National	Nil	Nil	Nil
b) International	Nil	Nil	Nil

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
No Data Entered/Not Applicable !!!			
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
No Data Entered/Not Applicable !!!					
View File					

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
No Data Entered/Not Applicable !!!					
View File					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
No Data Entered/Not Applicable !!!					
View File					

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

Items	Number of students selected/ qualifying
No Data Entered/Not Applicable !!!	
View File	

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

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		

[View File](#)

5.3 – Student Participation and Activities

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

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

[View File](#)

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

No Data Entered/Not Applicable !!!

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes, 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 for institutional growth through Alumni Bridge. The Association (AARVCE) is regularly planning and executing meaningful event 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 to establish an industry supported laboratories in the institution. Registered number: 405/2003-2004.

5.4.2 – No. of registered Alumni:

9000

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

1000000

5.4.4 – Meetings/activities organized by Alumni Association :

11 meetings of various departments held. around 800 plus alumnis attended the same.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

6.1.1.1 Mention two practices of decentralization and participative management during the last year (maximum 500 words) Decentralization of Administration at the Institutional Level The institution has academic programs at the Under Graduate, Post Graduate Research levels. In order to decentralize the administrative process, every department is being managed by the Head of the Department who is made responsible and accountable for all the activities at the department level. There are 12 Engineering Departments and three Basic Sciences Departments. In addition, there is a separate department to cater to the needs of the Master of Computer application students. A Director who takes responsibility for the smooth functioning of the department is managing this department. In addition to this, in order to emphasize and focus on various aspects of the institutional administration, A Dean (Academics) is appointed to

take care of all the academic planning implementation and a Dean (Students Affairs) is appointed in order to address all the students related matters and grievances (If any). The Examination wing in the autonomous institutions plays a pivotal role in maintaining the confidentiality and integrity of the examination affairs. Accordingly the institutional administration has created a role of the Controller of Examination (CoE) who is the statutory authority on all Examination affairs. There are separate activity heads to manage the cultural activities and Sports activities of the students in the institution. A role known as Dean (Cultural Activities Team CAT) is created in order to motivate the students to take part in various cultural and extracurricular activities at the regional, state, national and international levels. This role assumes importance in the wake of the recent mandate announced by AICTE to involve the students of the engineering/Technology degree programs in Socially useful productive work (SUPW) starting from their first year of their four year degree program. In addition to all these administrative roles, there is a separate Department for Sports Physical education. The student of the institution takes active part in sports at the Inter collegiate levels, University level, Regional, National International Levels. In order to manage the sports affairs of the institution and pass on the benefits of the schemes announced by the Management of the institution to Sportsmen women, the Department of PED has appointed a Qualified Physical Education director and a team of professionals to take care of the day today affairs of the Sports. A Faculty oversees the activities of the Department of physical education sports.

In addition a Chief librarian takes care of the Department of library information sciences and the Knowledge repository of the institution. In addition to all these roles and responsibilities in order to manage the physical resources of the campus, the Management of the institution has appointed a Deputy director to take care of the resources of the institution as part of the central administration team. Participative Management of the Institution: - There are about 27 committees constituted by the institution to take care of the multifarious activities of the institution. Some of these committees are statutory in nature and many of them are functional in nature. The important committees constituted includes the Infrastructure committee, the Internal Quality assurance cell, Research advisory committee, Academic planning Examination Committee, Student related committees such as the Cultural activities team, NCC, NSS, Centre for Gandhian inclusiveness equity, Science forum and Magazine Committee. In addition there is A Hostel disciplinary committee to take care of the Hostel discipline reporting to the Chief warden, warden and Deputy warden of the Hostel and a student's body of Placement coordinators to assist the Dean (Placement training) in the day to day activities of the Department of placement training. There are other functional committees such as the Sports committee, Auditorium committee, Canteen committee, Transport Committee, A coordination committee to promote alumni interaction, Scholarship Committee, Information public relation committee and Statutory committees as per UGC/AICTE/VTU and other statutory bodies such as the Internal Complaints committee, SC/ST Grievance Redressal cell, Anti-Sexual harassment committee. In addition there is an Anti-ragging, Drug abuse, Smoking, Alcohol consumption-Review committee at strategic level and a similar committee at the operational level. The need to setup collaborative programs to benefit the students in terms of internship opportunities and to work closely within Industry and forge Memorandum of Understanding and Working agreements both at the Department level and the institutional level gave rise to setting up the Industry Institute Partnership Cell, to assist the Head of Institution in managing the activities oriented at cementing bondages between the institution and the industries at regional, national and international levels. Inclusiveness requires participation of various stake holders and openness in governance. To achieve good governance through Governing Body (GB), the GB takes the inputs from various branches of institutional committees, which

requires leaders and dedicated team. Based on the categorization RVCE has adopted the following flow. The flow shows decentralization of implementation but single attainment assessment process. It gives equal opportunities on competence irrespective of gender. Keeping inclusiveness in mind various statutory and non-statutory committees have been set up in the institution for good and better governance, this also brings transparency. Sustainability is an important factor of good Governance and it is important that all the stake holders act responsibly to achieve this. Strategic plan - identifying a clear development path for the institution, through its long-term academic, research and business plans is the responsibility of Governing Body.

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

Partial

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	Curriculum Development being a process that encompasses the design and development of integrated plans for learning, the design of implementation of the plans, and of the evaluation of the plans, their implementation and the outcomes of the learning experience along with the mandate of the AICTE to reduce the number of credits to 175, rolled off a new scheme in 2018-19. Considering the feedback from major stakeholders being the students, alumni, employers and parents, the frame work for 2018 scheme emphasized more on electives (professional and global electives), Design thinking lab and Self learning courses. Eight weeks of compulsory industry internship to students would expose all the students to industrial environment. The minor and major project, assignments along with courses with laboratory component emphasizes on the shift from course-based learning to project based learning.
Admission of Students	- Karnataka Students writing KEA exams are selected and admitted as part of Government Quota - 45. -Students from Karnataka and outside Karnataka write the COMEDK exams and join us-30 - Students as part of MQ quota join us: 25
Admission of Students	? Admission of Students The basic qualification for eligibility for Admission to BE(Bachelor of Engineering)Programs is two year Pre-University or 12th Standard or equivalent examination. The candidate should have taken Physics and

Mathematics as compulsory courses along with Chemistry/Biotechnology/Computer Science/Biology/Electronics as optional courses and English as one of the languages of study in the Qualifying Examination. Further, the candidate should have passed the Qualifying Examination with an aggregate minimum of 45 marks in the optional courses in the Qualifying Examination (40 of marks in case of SC,ST, OBC category candidates) for eligibility. The marks obtained by the candidate in Biotechnology/Computer Science/Biology/electronics in the Qualifying Examination will be considered in place of Chemistry, only for the purpose of determination of eligibility and not for the purpose of determination of rank, in respect of Engineering program. Admission process happens through Karnataka Examination Authority (KEA) by conducting Common Entrance Test (CET) by the local State Government, COMEDK (Consortium of Private Unaided Institutions) and through Management Quota (MQ) in 45:30:25 quota

Teaching and Learning

? Curriculum Development: Teaching and Learning: Curriculum Development being a process that encompasses the design and development of integrated plans for learning, the design of implementation of the plans, and of the evaluation of the plans, their implementation and the outcomes of the learning experience along with the mandate of the AICTE to reduce the number of credits to 175, rolled off a new scheme in 2018-19. Considering the feedback from major stakeholders being the students, alumni, employers and parents, the frame work for 2018 scheme emphasized more on electives (professional and global electives), Design thinking lab and Self learning courses. Eight weeks of compulsory industry internship to students would expose all the students to industrial environment. The minor and major project, assignments along with courses with laboratory component emphasizes on the shift from course-based learning to project based learning. Teaching and Learning process in the institute puts every student through a judicious blend of concepts and practices associated with ICT tools in a dynamic environment. The institute

outlines a big leap from memory-based learning to thinking based learning using the Quiklrn platform. This platform provides the student the complete repository of learning material in the form of notes, video lectures, titles of text books/reference books, and links to additional learning materials. This also provides platform for online quiz, evaluates and records the continuous internal evaluation along with the attendance details of each student. The complete reports of individual student is being generated and sent to parents on a regular basis. Additional learning support for slow learners are provided through remedial classes. Tutorial classes are added along with regular classroom teaching to assist students in solving more problems

Examination and Evaluation

? Examination and Evaluation
 Examination Process • Examination and evaluation process of autonomous programs are under the control of examination unit of the institution. • Under the supervision of Controller of Examination(CoE) ? COMPLETION OF ACADEMIC YEAR Examination system CoE has three statutory bodies to assist him during the process of examination
 1. Examination Board: 2. Grading Advisory Committee(GAC): 3. Malpractice Investigating Committee: 1. Examination Board: • All policy matters related to examination and evaluation process are discussed and decisions are taken. • Meets at least once in a semester. • Board consists of one senior faculty from science group, two to four faculty from engineering group, member secretary of Academic Council and Dean Academics. 2. Grading Advisory Committee(GAC): • It consists of Principal, Dean academics, atleast three BoS Chairpersons and three nominated members of the rank of Professor/Associate Professor with CoE as convener. • GAC-To deliberate on I-grade application and approve/reject the request. • Go through the results analysis before announcement of the results and suggest the required changes to academic/exam process without diluting standards. Such changes are to be ratified in Academic Council for implementation. 3. Malpractice Investigating Committee: •

Consists of Dean Students Welfare, Dean Academics and two/three senior Professors (with at least one lady faculty) as members and The Controller of Examination as Chairperson and Deputy Controller as Convener. • Conduction of enquiry into cases of malpractice during examinations and recommend appropriate penalty/punishment. Examination Reforms: ? w.e.f 2019-20 ODD Sem SEE, courses with practical component passing minimum is made as 35 in individual but 40 in aggregate. (theorypractical) ? PVP(Paper Viewing Process) is introduced w.e.f 2019-20 ODD Sem SEE. ? PVP is applicable to SEE, Make-up and fast track exams. It makes the system to have detailed scheme solutions and share to students. ? PVP eliminates Photostat copy, revaluation and challenge valuation. This enables to have internal valuation with 30 moderation by external examiner. ? 2019-20 Even sem SEE is conducted online using Cisco-webex and google meet for 8th sem UG and 4/6 sem PG (M.Tech/MCA) due to covid-19 pandemic. ? 2/4/6 sem UG and 2/4 sem PG results are declared by taking 50 weightage in CIE and 50 weightage of average of previous odd sem SEE results. (minimum >10/50) ? 2019-20 graduate batch "Graduation Day" is celebrated online using cisco webex and the link through you tube , more than 985 students connected . ? SAP environment is effectively automated for examination processes with strong database. ? Fast track 2019-20 and Grade improvement exams are conducted in online mode.

Research and Development

? Research and Development RVCE practices interdisciplinary research in faculty sponsored research and student projects. It is facilitated through Interdisciplinary research centre (IDRC) with state-of-the-art advanced materials processing and characterization facilities established under Centre of Excellence in Microelectronics. The grants of Rs 4.0 Crore received by the Institution in 2018-19 through sponsored research and consultancy undertaken by the faculty and quality research publications stand testimony to the commitment to quality research. The Institution strongly

promotes Product Development and entrepreneurship which is facilitated by Incubation Centre established with an investment of Rs 3.0Crore and patenting. The Institution has to its credit 35 patents published in the last three years.

Library, ICT and Physical Infrastructure / Instrumentation

? Library, ICT and physical infrastructure / instrumentation Quality improvement strategies for library development is by strengthening the library collections in terms of increasing advanced reference books, recommended text books, e- books, e- journals, print journals, creating awareness program for readers. The library has the knowledge resources for its readers. Essential additional document collections are made available every year, through department recommendation and through book exhibition arranged at the campus. In 2019-20 books worth Rs.23, 35,051/- were purchased for main library, around 2112 volumes were in total. 233 print journals were subscribed, which meets the requirements of UG/ PG/ Research Program, the renewal amount was Rs.7, 70,19/-, e-books are subscribed from Skill soft, around 29000, e- books are received, which amounts to 7,01,139. Apart from VTU e- consortium e- Journals, the Institution also subscribed to IEEE / IEL Portal, the subscription amount was Rs.7,24,180 was spent, around 508 journals, 5160 conference material, proceedings - 26518, standards - 4026 were made accessible. IEEE journals were accessible within college and outside college. VTU e-Consortium journals were made accessible within college and outside college through remote access Knimbus portal.

Human Resource Management

Human resource management in education is very important. Staff of Education Institution play a very important role in the growth of students by helping them building their careers. They help the students to achieve their educational goals and consequently , national development. Human resources are the key to rapid socio-economic development and efficient service delivery. All educational system at every level depends heavily on the human resources

for execution of its programme. The function of human resource management in education includes staff maintenance, staff relations, staff development, and procurement of staff and job performance rewards. Both Teaching and Non- Teaching staff members equally contribute to the overall growth of the Students and the Institution.

Industry Interaction / Collaboration

Industry Institute Interaction Cell instituted in the campus consists of co-coordinators from different departments. The Principal and Deputy Director are associated with the cell and guide the activities strategically. The institution has a strong association with industrial, academic and research establishments. This has resulted in setting up of Industry based labs, publications in association with industrial experts, Consultancy Projects, internships to both UG and PG students, industry based electives, training programs by faculty to industry representatives, expert lectures by industry experts, industry visits and webinars .The industrial experts are also involved in Academic Council and Board of Studies of various departments. The institute and faculty members are also associated with national and international professional bodies. The comprehensive list of collaborations (as on 12th October 2020) is attached herewith.

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

E-governance area	Details
<p>Planning and Development</p>	<p>Institutional Governance - Planning, monitoring and record keeping practices: Planning: Every financial year budget proposals will be submitted by the individual departments with the consent with department purchase committee members. Finance section consolidates all the departmental budget proposals along with centralized expenses including, previous year's actual budget allocation and its utilization. Combined HoDs meeting will be called to finalize / modify the estimated budget. The same will be discussed and finalized in Finance Committee Meeting. Monitoring: The Recurring Non-Recurring expenses allocated as per the budget will be</p>

monitored to purchase as follows: The purchase proposals as per the said procedure will be forwarded to Accounts section. Accounts section will verify whether the purchase are as per the institution's purchase procedure and checks the budget availability along with the utilization as on that date. The proposals will be forwarded to Management office-RSST to get Hon. Secretary's approval and sanction of the expenditure. As soon we receive the approval from RSST the files will be passed for payment. Record Keeping: As soon the payments made to vendors and others, the original invoice copy, sanction paper and payment passing sheet will be retained in Accounts section for audit purpose, remaining details with file will be forwarded to concerned department for their reference. However, SAP ERP package is implemented wef 01.08.2018 in Finance Controlling (FICO), Human Cost Management (HCM) Materials Management (MM). MM: (Materials Management): All the purchases will be routed through MM as follows: 1. Purchase Requisition (PR) will be initiated to get approval for the purchase. Based on the approval limit, the requisition will get approved through system. 2. As soon the PR get approved, the Request for Quotation (RFQ) will be placed for concerned approval. Based on the approval limit, the RFQ will get approved through system. 3. The quotation will be called, consolidated and the prices for the same will be maintained in MM. Based on the final negotiated price, comparative statement will be extracted. The vendor will be selected based on the least quote, technical specification etc. 4. Purchase Order (PO) will be placed for approval from the concerned authorities. Soon after the approval of PO, the will be send to concerned vendor. As soon we receive / obtain the materials / service, a transaction called MIGO for goods and Service entry sheet for services will be entered and the file will be handed over to Accounts section for payment.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
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No Data Entered/Not Applicable !!!

[View File](#)

6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
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No Data Entered/Not Applicable !!!

[View File](#)

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
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No Data Entered/Not Applicable !!!

[View File](#)

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
1	2	2	4

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> • Age of Superannuation – 65 years (faculty) 60 years (Support staff) on need basis • Sponsoring for upgradation of academic and technical qualifications with full salary • OOD facilities for Training /Examinations • Financial assistance for attending Conferences/Paper Publications, including International visits • Revenue Sharing on consultancy works(60:40) • Transportation facility at concessional rate 	<ul style="list-style-type: none"> • Age of Superannuation –65 years (faculty) 60 years (Support staff) on need basis • Sponsoring for upgradation of academic and technical qualifications with full salary • OOD facilities for Training /Examinations • Financial assistance for attending Conferences/Paper Publications, including International visits • Revenue Sharing on consultancy works(60:40) • Transportation facility at concessional rate 	<ul style="list-style-type: none"> Accident Policy for students and their parents, Transportation Facility, 24/7 Medical Facility, Financial Assistance to attend International Conferences/workshops, fee concessions for deserving low income group students etc

Sabbaticals to premier institutions and industries • EL encashment and Gratuity, Maternity Leave for eligible staff • Uniform Allowances for Support Staff • Fee concession for staff's wards and admission for staff wards in other RV institutions • Staff Quarters facility for class 4employees • Medical Insurance, ESI, EDLI GSLI • Incentives for adoption of family planning as per norms • Accident Insurance In-house Medical facility • Special Leave assistance to Staff affected by COVID 19 situation

Sabbaticals to premier institutions and industries • EL encashment and Gratuity, Maternity Leave for eligible staff • Uniform Allowances for Support Staff • Fee concession for staff's wards and admission for staff wards in other RV institutions • Staff Quarters facility for class 4employees • Medical Insurance, ESI, EDLI GSLI • Incentives for adoption of family planning as per norms • Accident Insurance In-house Medical facility • Special Leave assistance to Staff affected by COVID 19 situation

6.4 – Financial Management and Resource Mobilization

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

6.4.1 Institution conducts internal and external financial audits regularly (with in 100 words each) - Yes, RVCE conducts internal and external financial audits regularly. The details are as given below: 1. Internal Audit: RSST has appointed internal Auditor Mr.S.Ashok, Chartered Accountant, M/s. Ashok Shivaji Rao Co, No.83, Sultanpet Main Road, Bangalore- 560 002, for R.V. College of Engineering. Monthly audits are carried out by internal auditor's team. They verify the books of accounts and monthly internal Auditors report will be given to RSST along with Receipts Payments a/c and Bank Reconciliation statements of all the bank accounts of the institution. Internal auditors for their utilization also audit the grants scholarship received by the college. 2. External Audit: RSST has appointed External Auditor M/s. Shanthappa Co , Chartered Accountants, Unit No.201, II floor, house of lords, 15 16, St Marks Road, Bengaluru - 560 001, who performs an audit of the financial statements of the college. During audit, they verify all the financial records Internal Auditor's report. The financial records of the College are audited after the end of each financial year and are certified by the external Auditors with Audit report and financial statements.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
No Data Entered/Not Applicable !!!		
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6.4.3 – Total corpus fund generated

10443677

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Dr.Koujalagi, Prof, Dept of EEE, AIT College of Eng, Bengaluru	Yes	All Department Professors
Administrative	Yes	VTU,NBA Visit	Yes	Deputy Director (Admin istration)

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

- Every semester, Parents Teacher meeting is arranged to discuss about the development in the Institution
- Discuss the activities performance of their wards and issues of respective tests
- Carry out corrective actions as per the schedule and parents are also contacted during the emergency circumstances or medical issues of students

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

Training Programmes arranged for Support staff in the campus from External Agencies: ? "Sensitizing workers about safety and health measures to be adopted at work place" ? Communication Behavioral skills ? Attitudinal behavioral skills and changing mindset ? Building Leadership qualities ? Fire Safety Measures

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

Participation in NIRF Ranking Participation in AICTE-CII Surveys Establishing Centres of Excellence

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!					
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Stem Cell Donation Drive	01/07/2019	31/08/2019	20	10

Road Safety	01/08/2019	31/08/2019	300	500
Environmental Activities	01/08/2019	31/08/2019	250	550
Rakshabhandan Divas	12/08/2019	12/08/2019	40	10
Inter college competition in road safety	03/09/2019	03/09/2019	20	30
Village Visit - Induction progrm	13/09/2019	14/09/2019	150	300
Village visit -Ramanagar & Channapatna	20/09/2019	21/09/2019	80	120
Plog Runn	02/10/2019	02/10/2019	20	40
Plastic Awareness Drive	04/10/2019	05/10/2019	22	8
Toyota Hackathon	08/11/2019	10/11/2019	22	28
National Youth Day	12/01/2020	12/01/2020	18	12
Utsarga Marathon	07/02/2020	08/02/2020	150	280
Corona awareness	11/05/2020	16/05/2020	15	10
International Day of Yoga(Online)	21/06/2020	21/06/2020	111	109
world environment day awareness (Online)	05/06/2020	05/06/2020	180	70

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

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

About 45 of power consumption is reduced by using alternative power with an installation of solar grids. Energy Management: LED Bulbs (1158), Solar Water Heaters, Solar Power Harvesting Sustainable Water Management: Rain Water Harvesting (3.5 MLD), Sewage Water Treatment (250 KLD) Bio gas plant facility available in the campus.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	35
Provision for lift	Yes	35
Ramp/Rails	Yes	10
Braille Software/facilities	Yes	2
Rest Rooms	Yes	10

Scribes for examination	Yes	5
Special skill development for differently abled students	No	0
Any other similar facility	Yes	10

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
No Data Entered/Not Applicable !!!							
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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
HAND BOOK OF GENERAL INFORMATION AND SERVICE RULES ISSUES TO ALL STUDENTS	01/08/2019	Hand book is printed and distributed to all the students at the beginning of the each academic year. It contains a chapter on discipline to be followed and information about General Discipline, Anti-Ragging awareness, Dress Code to be followed, Security Support Services in the campus

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
JAL DIVAS	22/07/2019	22/07/2019	70
ROAD SAFETY DRIVE	06/06/2019	06/08/2019	800
SADHBHAVAN DIVAS	02/09/2019	02/09/2019	50
PLASTIC DRIVE AWARENESS	24/10/2019	24/10/2019	20
NATIONAL YOUTH DAY	12/01/2020	12/01/2020	30
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

- Smart Lighting System for Campus - Rain Water Harvesting - Sewage Treatment Plant - Solar Grid for Electrical Power Harvesting utility
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7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

No Data Entered/Not Applicable !!!

7.3 – Institutional Distinctiveness

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

Best Practices - FOR AQAR - 2019-20

1. Teaching Learning Evaluation Process: The curriculum of every program has been developed not only to meet the Program Outcomes (POs) but also emphasis is on inclusiveness through interdisciplinary courses and Experiential Learning. Courses on Environment, Engineering Biology, Constitution of India, Entrepreneurship, Intellectual Property Rights, Sustainable Materials and several interdisciplinary electives are included in the curriculum. The institution has established 2 credit Design Thinking Lab. for IV sem. BE students of all programs. The institution has introduced a concept called Design Thinking Lab. All the second year students will go through these courses of two credits, where they have to identify a problem in the society and make a prototype to solve the issue. The college believes that it is an excellent way to solve engineering problems. The programs are designed with requisite number of foundation courses, advanced courses-SWEBOK, MOOCS, NPTEL, QEEE, TEQIP, IUCEE, IEE, Coursera, 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 foundation courses are designed as per the requirement of industries e.g. programming skills, design thinking, communication skills and strong fundamentals in domain area are a part of the curriculum. Students are allowed to take up interdisciplinary projects in final year with students of other programs. These initiatives help the graduates of RVCE to attain/achieve the skills required for an engineering graduate. PG students are provided internship opportunities in industries, which is also a path to get better employment opportunities. The faculty and students are regularly taking NPTEL courses since four years and RVCE stands one in hundred in NPTEL ranking in the country. MHRD has facilitated Virtual Lab for faculty and students to carry out experiments remotely. Quicklarn Knowledge Platform has been deployed to assist the students during self-study, leveraging new generation digital technologies, Cloud Services and AI. As of now, over 1255 active users are using the platform for their learning activity. More than 2 lakh assessments were carried out so far. The institution has conducted over 6,500 online classes during the lockdown period, benefitting over 6000 students. The institution has subscribed Pearson English Language Lab. for the students. An effective student mentoring and support scheme lead by Dean (Student Affairs) is instituted in RVCE. Counselors are nominated for every batch of 15 to 20 students to monitor their academic performance and advise them on personal problems. The progress reports are periodically sent to the parents. Departments conduct Parent-Teacher meeting regularly to involve the parents who are the key stakeholders in the progress of their wards. Issues related to the academics and personality development are discussed with the parents during this meet. The system of mentoring has resulted in providing timely and corrective advice to the students to keep the students on track in the academic and non-academic activities. Discipline is inculcated in the students through disciplinary committees to monitor dress code and mobile usage in academic area and ragging and drug abuse in the campus. Examination and Evaluation involves three stages viz. Pre-Examination Process, Examination Conduction and Post Examination Process. Some of the major reforms include (a) No scope for photo copy, revaluation and challenge valuation-due to Paper Viewing Process before announcement of final results, (b) Quality of question papers and scheme solutions improved, (c) Scheme and solutions shared to students, this helps in students answering skills (d) SAP environment is used

for allotment, generation of documents and entry of SEE marks-practical exam and (e) Level of automation has improved. Examination Audit were carried out for every semester. 2. Inter-disciplinary Research Innovation: Being a teaching institution for three decades, RVCE 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. All the 15 departments of RVCE are research centres recognized by Visvesvaraya Technological University, Belagavi. Research motivation includes incentivizing faculty to take up sponsored research and consultancy. The institution promotes research through exclusive RD Budget for each program. RD infrastructure is developed through institutional budget and sponsored research consultancy. The Centre of Excellence in Macroelectronics established under World Bank assisted TEQIP-II grants (sub component 1.2.1) provided a platform to enhance research competencies. The institution has several completed funded research projects worth Rs. 30.0 crores and ongoing research projects worth Rs. 15.0 crores funded by the State and National funding agencies such as the UGC, DST, AICTE, DRDO, VGST, and private organizations in the last five years. Access to online journals is provided without constraints. The institution has over 50 licenced modelling, analysis and simulation software along with high-end computing infrastructure. Focusing more research has helped RVCE to file 47 patents, of them 37 have been published and one patent granted recently. Around 50 - 60 percent of these patents were undergraduates 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. The institution is an Associate Member of Wipro-IISc Research Innovation Network and part of developing Autonomous Vehicles.

Provide the weblink of the institution

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8.Future Plans of Actions for Next Academic Year

Future Plans of action for next academic year about Curricular Design and Development There are four areas of focus in the future plan of development for the institution in the next academic year. The first dimension is on Out Come Based Education which will cover Enhancing Student Centric Learning through ICT and Pedagogy, Developing Sustainable Solutions for local problems through projects, Networking International Collaboration. The second areas of focus is on Research and Innovation which will cover Setting up Incubation Centres, Increasing No. of Patents Commercialization, Continuous submission of proposals to various funding agencies, Continuous improvement in Quality of Research publications, Enhancing IRG through CoE, Industrial Consultancy. On the infrastructure front the activities involve developing 1500 seating capacity Auditorium, Twin Towers (4 floors each), Design Thinking Lab, Student Spaces, Video / Teleconference Hall, Seminar Halls (ECE / Chemical) and in the Community Service the institution will undertake Village adoption and transferring technology (Health / Energy) and Enhancing Social Responsibility through Community Services. Also, orienting the curriculum towards National Education Policy 2020 will be explored.