



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution		DR. C. V. RAMAN UNIVERSITY
Name of the head of the Institution		Prof Ravi Prakash Dubey
Designation		Vice Chancellor
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		07753253801
Mobile no.		9617779311
Registered Email		raviprakash@cvru.ac.in
Alternate Email		cvruiqac@gmail.com
Address		Kargi Road, Kota, Bilaspur
City/Town		Bilaspur
State/UT		Chhattisgarh
Pincode		495001
2. Institutional Status		

University	Private
Type of Institution	Co-education
Location	Rural
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr. Jayati Chatterjee Mitra
Phone no/Alternate Phone no.	07753203820
Mobile no.	8871275772
Registered Email	jayatimitra@cvru.ac.in
Alternate Email	jc.bilaspur@gmail.com

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.cvru.ac.in/PDFDoc/AQAR/AQAR2018-19.pdf
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4. Whether Academic Calendar prepared during the year

if yes,whether it is uploaded in the institutional website: Weblink :	Yes https://www.cvru.ac.in/PDFDoc/Academics/Academic_Calendar_2020_21.pdf
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5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	B+	2.61	2016	05-Nov-2016	04-Nov-2021

6. Date of Establishment of IQAC

03-Jul-2015

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
The CVRU IQAC and the CVRU Central Library jointly organized a	02-Jul-2019 30	20

Training Program of 1 month on		
In order to develop policy inputs for enhancing environmental performance and Green Technology and Research in the University campus, IQAC has undertaken an initiative by organizing a 2-days workshop on	03-Jul-2019 3	175
CVRU-IQAC & NSS jointly organized a workshop on Societal Services under the Unnat-Bharat Abhiyaan Scheme to upgrade & enhance the society beneficial activities & awareness.	05-Jul-2019 1	60
CVRU IQAC conducted a mega Plantation Drive through the Shramdaan	06-Jul-2019 1	85
Three Day Workshop on Significance of Outcome-based Education implementation of LOCF in Curriculum	15-Jul-2019 3	182
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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!!!				
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	3
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
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12. Significant contributions made by IQAC during the current year(maximum five bullets)

1.IQAC Contributed in Submission of AQAR's for consecutive years gradual participation in NIRF, AISHE AICTE report submission. 2. IQAC Introduced many new proforma, formats and procedures meaningful for data upgradation and validation as well as introduced advanced software for implementation of egovernance in all the areas of operations viz. HR/ Admin/ Finance/ Exam/ Student Support/ Academics etc. needful for all the stakeholder's support. 3.During the onset of Pandemic situation, from March2020 onwards, IQAC contributed to the continuous assessment monitoring of the CVRU academic resources its upgradation via online mode with its online workflow introducing online ICTbased Teaching tools via online platforms for all its Teaching fraternity throughout the year (e.g. ITrack LMS) 4. Upgradation of the Central Instrumentation Center and the University Centers of Excellence (CoEs) with advanced instruments and apparatus with advanced features introduced updated version of the required research lab software and new research schemes. 5.IQAC contributed in implementing several academic and research schemes towards projects and proposals for the faculties as formulated and introduced by various public agencies viz. DST, CSIR, ISRO, DRDO, DBT, BIRAC, SERB, NRDC, ICAR, , MSME etc

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

Plan of Action	Achivements/Outcomes
Provision for Implementation of ICT/e governance in all the administrative and academic areas of operations to make the campus fully automated.	Fulfilled, but complete implementation to be done in all areas of operations. Outcome achieved successfully for automation in 5 areas of admin and academic.
Provision for Promoting International collaboration regarding Academic Interaction and Research Resource Exchange & increasing national International Linkage with Industries higher education Institutions by establishing skill-driven Industry-Academia atmosphere & increasing the number of MoU's by every academic department for research, student-exchange and faculty exchange programs.	Outcome achieved successfully and target completed.
Provisions to make new frameworks for monitoring continuous evaluation and assessment of Students	Framework created and target completed and outcome achieved successfully.
Provisions for promoting & developing E-resources for digital E-content development facility using advanced	Institutional LMS made active and Functional viz. I-TRACK and LCS software installed in CVRU-Studio for

software/LCS etc. for various platforms viz. MOOCS, SWAYAM, NPTEL, E-PG-Pathshala etc. to improve the E-learning environment in CVRU Campus.	content creation and contents made available in CVRU-LMS and MOOCS. Organized workshop on content creation was organized for faculties. But yet to be developed for SWAYAM, NPTEL etc. still no-faculty lectures in these platforms.
Provisions for upgrading the existing resources & e-resource facilities of the Library & Laboratories to enhance research infrastructure for creating Advanced Research Environment in the campus.	E-resources made available in Research Labs and Library of CVRU. Target completed
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
BOARD OF MANAGEMENT	16-Aug-2021

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
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Date of Visit	21-Oct-2016
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2020
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Date of Submission	30-Jun-2020
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17. Does the Institution have Management Information System ?	Yes
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If yes, give a brief description and a list of modules currently operational (maximum 500 words)	A management information system (MIS and CVRUERP) is an information system used for the coordination, control, analysis, decision making and visualization of information in an organization. The MIS examines people and technology in an organizational context. The MIS in broader sense is a central data repository capable of not only gathering and storing data but also analyzing it and generating reports from it. Thus, the ultimate goal of the use of a management information system at CVRU is to increase the value and profits of the
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organizational system through the use of software. CVRU has adopted an MIS software for recording, analyzing, presenting, observing followups and allows analytics of different aspects of administrative and academic process. The CVRU MIS software has been customized in university's particular needs and environment to enhance its bottomline requirements and information and has dramatically solved various administrative issues of CVRU management asset management etc design to the specific requirements by further understanding of the current process, priorities and interaction with the current potential needs of the proposed system. Though, the industries in the current scenario face an intense pressure to improve quality, costs and meet ever changing requirements in the market. So, to meet these challenges towards the industry academia environment in the campus, CVRU has focused on improving its workflow and restructure its information system. The MIS software is being used to efficiently streamline the information with the digital records in the software. MIS reports are generated and analysed for any discrepancy with respect to work step completion at CVRU.

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
Nil	Nil	Nil	Nil
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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
BE	Electronics Communication Engineering	01/07/2007	PROFESSIONAL COMMUNICATION SKILLS (1010113505)	01/07/2007
BE	Electronics Communication Engineering	01/07/2007	APPLIED CHEMISTRY (1010113105)	01/07/2007

BE	Electronics Communication Engineering	01/07/2007	APPLIED MATHEMATICS-I (1010113205)	01/07/2007
BE	Electronics Communication Engineering	01/07/2007	BASIC ELECTRICAL ENGG. (1010112205)	01/07/2007
BE	Electronics Communication Engineering	01/07/2007	ENGINEERING GRAPHICS (1010112405)	01/07/2007
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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
BJ	Journalism	25/05/2020
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BJ	Journalism	25/05/2020

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
Water Management	01/07/2019	31
Solid waste Management	01/07/2019	32
Guidance Counselling	01/07/2019	30
Indigenous arts specialization with Dhokra (bell metal) art	01/07/2019	9
Certificate Course in Office Automation	01/07/2019	84
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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
MSc	Chemistry	199
BE	Civil	120
BE	Computer Science	20
BE	Electronics and Communication	4
BEEd	Education	211
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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

CVRU has its online Feedback system for all its stakeholders. The student-feedback obtained by CVRU is based on the online Questionnaires designed by the University in its Institutional website cvru.ac.in which is available to all its Stakeholders further provided to its students filled by them throughout the year from time to time and being analyzed in the CVRU Campus. Attendance of each student is mentioned in the feedback form. Feedback is received on varied aspects of the University Facilities including location, office, canteen, laboratory, library, administration and academics. The points are calculated according to the grades given by the students in various criteria. The grades are incorporated as A, B, C, D, E (where A10, B8, C6, D4, E2). The Average data and percentage of various criteria are calculated. The strength and weaknesses mentioned by the students are summarized for further analysis improvements. Departments receive feedback from parents through parent teacher meetings and discuss different issues related to the overall development of their ward. Suggestions and comments given by the guardians are also taken into account for future development. The different areas where improvements are required are discussed in respective committees/departments. The proposals given by the different committees and departments are discussed in GB meeting of CVRU for necessary action. Strengths of the University are also taken into consideration for further up-gradation. Also, during the feedback collection of CVRU, the Feedback on the teaching- learning process is received from students as Student satisfaction survey based on a structured questionnaire framed and approved by the IQAC of CVRU. The questionnaire can be downloaded from the website and Students can drop their filled in feedback form in the feedback receiving boxes present in the campus. The received feedback is then analyzed by the IQAC and uploaded to the website and it is also forwarded to the Head of the departments for necessary suggestions based on the feedback. Teachers provide informal as well as formal feedback to the head of the Institution on different academic, administrative and other affairs related to the University. Members of anti-ragging committee and Internal complaints committee also receive feedback from students through class campaigns. Grievances (if any) and necessary suggestions can be registered to the Grievance Redressal cell of CVRU through the RAMAN RESOLUTION BOX (RRB)" fixed in the office of Dean Student Welfare office of CVRU-IQAC. The GRC composition is altered every year at the beginning of academic session.

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
MSc	Physics	60	93	50

MSc	Microbiology	20	47	10
MSc	Mathematics	30	244	25
MSc	Chemistry	120	174	87
MSc	Botany	60	139	49
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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	2117	1360	95	109	92

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
296	296	10	87	16	7

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

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

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

Yes of-course the Student Mentoring System is available in the University entitled as CVRU-SMS. To ensure the academic growth, special measures are taken by the faculty mentors to support the students also the advanced and slow learners. The university organizes extra class for the slow-learners with adequate support to overcome academic difficulties, gives them extra practice assignments engages in institutional activities to develop fast skill. CVRU has also introduced life skill/soft skill across all its programs to meet the real-life challenges and inculcate the right attitude and values with care, concern and mentoring. CVRU-SMS is further followed by a CMMS. Through the CVRU Mentor- Mentee System (CMMS), since last several years the University has practiced a system of specified mentoring whereby a mentor was provided to every ward to look after his/her academic and psychological wellbeing and also monitor his class attendance and performance. The same system has now been restructured and named CMMS of the University. Under the CVRU Mentor Mentee System, the full-time teachers of the University are being engaged as mentors of each class. Students of each class in the University are having a full-time teacher as their mentor. The classes, where there are huge numbers of students, have been assigned more than one mentor. At the beginning of the academic session, the class-wise names of the mentors are displayed on the CVRU Departmental notice board. The mentors are responsible for academic progress and psychological wellbeing of their mentees and maintain the Mentor-mentee Register to upgrade the activities and respective records. They are also entrusted with the task of monitoring the attendance and academic progress of the students. They also provide primary psychological counseling to those who need them and refer them for more professional counseling, if required. At the beginning of the academic session, the mentors conduct orientation program for the mentees, whereby they are acquainted with the University's goals and mission, the facilities available and the regulations of the University. The mentors maintain the biographic details of each individual mentee including their educational background and socio-economic status. They also maintain record of their class attendance, class- performance and academic progress. The mentors use both formal and informal means of mentoring. The mentor system, apart from its formal part, also exists as a robust informal mechanism to boost inclusiveness, gender sensitivity and social responsibility of students.

Number of students enrolled in the

Number of fulltime teachers

Mentor : Mentee Ratio

institution		
4035	296	1:14

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
296	296	Nil	9	112

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
2020	Dr. R.P.DUBEY	Professor	VISHWA KAVI RABINDRANATH TAGORE MEMORIAL AWARD
2020	Dr. P.K.NAIK	Professor	I- CONIC EDUCATIONALIST AWARD
2020	DR. JAYATI CHATTERJEE MITRA	Associate Professor	MAULANA ABUL KALAM AZAD EXCELLENCE AWARD OF EDUCATION-2020
2019	Dr. R.K. SINGH	Professor	LIFE TIME EDUCATION ACHIEVEMENT AWARD

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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
BEd	102271	3	16/12/2019	14/01/2020
BEd	102271	1	02/01/2020	14/01/2020
BCom	104301	5	15/01/2020	30/01/2020
BCom	104301	3	16/01/2020	30/01/2020
BCom	104301	1	17/01/2020	30/01/2020

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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
2	4035	0.0495

2.6 – Student Performance and Learning Outcomes

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

https://www.cvru.ac.in/PDFDoc/AQAR/2020/POPSOCO_CVRU2021.pdf

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
106351	BA	Arts	83	79	95
607371	BA LLB	Law	9	8	89
104302	BBA	Management	14	12	86
103291	BCA	Information Technology	85	77	91
104301	BCom	Commerce	41	36	88

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2.7 – Student Satisfaction Survey

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

<https://www.cvru.ac.in/s3/>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

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

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Dr. Anupam Kumar Tiwari	Perennial Assistance fund Award	15/08/2020	Unnat, Bharat Abhiyan, National Coordinating Institution, IIT, New Delhi, A Flagship Program of Ministry of Education
National	Dr. Anupam Kumar Tiwari	Research Project Fund. Financial Assistance	27/05/2020	National Innovation Foundation, India, DST, Govt. of India

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3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
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Sanjay Kumar Jangde	1825	UGC
Shruhudev Gawaskar	1825	UGC
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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
Industry sponsored Projects	1095	Supertech Solutions	1000000	560000
Industry sponsored Projects	730	Supertech Solutions	800000	380000
Industry sponsored Projects	547	Supertech Solutions	650000	360000
Industry sponsored Projects	730	PRA Infra Projects	700000	340000
Industry sponsored Projects	730	Supertech Solutions	750000	354000
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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
One Day Seminar on Automation Trends and Global Opportunities in the Future.	Department of Electrical Engineering in Association with Research for Resurgence Foundation, Nagpur (Maharashtra)	16/09/2019
One Day Seminar on Destructive and Non-destructive Testing Methods.	Department of Civil Engineering in Association with K K Stells Railing Works	14/11/2019
One Day Seminar on Industrial Automation and Advance In Technology.	Department of Electrical Engineering in Association with Consta Cloud Pvt. Ltd., Korba	07/01/2020
One Day Seminar on Application of Signals System	Department of Electronics Communication Engineering in Association with BSNL, Bilaspur	17/03/2020
One Day Seminar on Energy Conservation Building code (ECBC)	Department of Civil Engineering in Association with K K	11/07/2019

Stells Railing Works

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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
BEST RESEARCHER AWARD	DR. MILAN HAIT	VDGOOD PROFESSIONAL ASSOCIATION	17/10/2020	Teacher
DISTINGUISH AND INNOVATIVE RESEARCHER	DR S R TANDAN	RULA	26/02/2020	Teacher
GREEN THINKER AWARD	RASHMI KASHYAP	GREEN THINKERS I2OR	02/09/2019	Teacher

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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
CRIIC(CVRU Innovation and Incubation Centre)	SHRADDHA YAMAKAR	Prakriti Sansthan	Farmers Pride	Farmers Pride Organic Business	17/06/2020
CRIIC(CVRU Innovation and Incubation Centre)	Durga Prasad Rajput	Self-financed	Maa Durga Krishi kendra Ramhepur Lormi Chhattisgarh	Small Bussiness Start-ups (Agriculture)	08/08/2019
CRIIC(CVRU Innovation and Incubation Centre)	Parmeshwar Yadav	Self-financed	Eazy Home Solutions	House Keeping	02/08/2020
CRIIC(CVRU Innovation and Incubation Centre)	B. Jamis	Bank of India	St. Marry Public School	Educational Institute	16/05/2019

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Department of Mechanical Engineering	2
Department of Information Technology Computer Science	1
Department of Chemistry	2
Department of Physics	1
Department of Commerce and Management	4

Department of Education	13
Department of Physical Education	2
Department of Linguistic	2
Department of Social Science	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)
National	Department of Chemistry	10	3.25
International	Department of Chemistry	8	3.86
International	Department of Physics	6	2.75
International	Department of Mathematics	6	2.7
National	Department of Life Science	9	2

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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
Department of Chemistry	13
Department of Physics	8
Department of Life Science	6
Department of Electronics Communication Engineering	5
Department of Computer Science Engineering	11

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3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
PHASE SEQUENCE DETECTION DEVICE	Published	201921026120	16/08/2019
VOICE AND REMOTE-CONTROLLED HOME AUTOMATION SYSTEM	Published	201921026118	16/08/2019
AUTOMATIC TEMPERATURE BASED FAN CONTROLLING SYSTEM	Published	201921026123	16/08/2019
LOCOMOTIVE TRACK MONITORING SYSTEM	Published	201921026121	16/08/2019
GREEN HOUSE MANAGEMENT SYSTEM	Published	201921026122	16/08/2019

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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 !!!						
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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
Cost effective natural adsorbents for the removal of fluoride: A green approach	Dr Rashmi Verma	Rasayan Journal of chemistry	2019	1	6	Dr.C.V.R aman University
Analysis of Watermelon Peel and Lemon Peel as Low cost Novel Bioadsorbents	Dr Jayati Chatterjee Mitra	Journal of University of Shanghai for Science and Technology	2020	Null	Null	Dr.C.V.R aman University
"No Energy" How's Life (A General Reaction),	Dr Jayati Chatterjee Mitra	International Journal of Innovative Technology Exploring	2020	Null	Null	Dr.C.V.R aman University
A Focus on Corona Virus (COV ID-19),	Dr Jayati Chatterjee Mitra	International Journal of Research in Pharmaceutical Sciences (IJRPS)	2020	Null	Null	Dr.C.V.R aman University
Characterization of Plant Based Low Cost Adsorbents in Chhattisgarh	Dr Jayati Chatterjee Mitra	Indian Journal of Ecology (IJE-IES) (Indian Ecological Society)	2020	Null	Null	Dr.C.V.R aman University

State.

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	161	366	18	2
Presented papers	50	46	5	Nil
Resource persons	11	12	1	1
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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)
Dept. of Electrical Engineering	Technical Electrical Consultancy	Super Tech Solution Pvt. Ltd.	1595000
Dept. Information Technology	IT Solutions Consultancy	New Generation Computers	875000
Dept. of Commerce Management	Marketing Assistance Consultancy	Siddhi Vinayak Advertising	790000
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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
Training and Placement Cell	Orientation Programme	Regional office/Zonal office/State office	1480000	354
C V Raman Innovation and Incubation Cell	Workshop on Innovation and Incubation	Small Medium and Micro Business Men	800000	268
EDP Cell	Workshop on Entrepreneurship	Regional office/Zonal office/State office	780000	198
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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
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Corona Online Awareness Campaign	NSS/NCC/ UNNAT BHARAT ABHIYAN MHRD/IIT Delhi	20	62
Gandhi Jaynti	NSS/NCC (7 CG Battalion)	300	75
International Yoga Day	NSS/NCC (7 CG Battalion)	350	55
Arpa Rivers Uthan , Shram Daan By CVRU	NSS/NCC (7 CG Battalion)	38	10
World Environment Day	NSS/NCC (7 CG Battalion)	8	100
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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
Swachata Pakwara	Excellence Award	MHRD 7 CG Batallion	160
Unnat Bharat Abhiyaan	Perinnial Assistance Award	National Coordinating Institution IIT New Delhi A flagship program of Ministry of Education	100
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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 activites	Number of students participated in such activites
Blood donation camp	NSS	Extension/ Outreach Programmes	10	50
Tobacco awareness program	NSS	Extension/ Outreach Programmes	12	80
Prayavaran Diwas	NSS	Extension/ Outreach Programmes	14	50
Safai Abhiyan	NCC	Extension/ Outreach Programmes	16	100
Ekta Diwas	NSS	Extension/ Outreach Programmes	13	60
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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
Three Days Workshop on Remote Sensing GIS in Association with IRIS Kolkata	113	Dr. C. V. Raman University	2
Three Dyas Online Workshop On Research Paper Writing in Association With Kala Nehru Korba	104	Dr. C. V. Raman University	3
Three Days National E-Workshop on Analytical Instruments in Association With Schimadzu Analytical, Japan	200	Dr. C. V. Raman University	3
A Special Talk on Inorganic Materials by Prof Debashis Ray From IIT Kharagpur	150	Dr. C. V. Raman University	1
Three Days Workshop on Sustainable Development for Environment in Association With SPMS, Nagpur	105	Dr. C. V. Raman University	2

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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
Industry Academia	MOU for industry ,academia interaction ,training placement support activities.	Techno care enginerring pvt.ltd Sardar Vallabh Bhai Patel Nagar, Jamnipali, Chhattisgarh 495450	03/08/2019	31/12/2021	10
Industry	MOU for	AIIT	03/08/2019	31/12/2021	2

Academia	industry ,academia interaction ,training placement support activities.	Ambikapur Road, Gharghoda, Raigarh-Chhattisgarh - 496111			
Industry Academia	MOU for industry ,academia interaction ,training placement support activities.	PRAKASH HONDA Jai Stamb Chowk Kargi Road, Kota, Bilaspur	18/10/2019	31/12/2021	2
Industry Academia	MOU for industry ,academia interaction ,training placement support activities.	HAAT BAZAR Raigarh - Sakti Rd, Sankar nagar, Shivam Vihar Colony, Dhangar Deepa, Chhattisgarh 496001	19/10/2019	31/12/2021	2
Industry Academia	MOU for industry ,academia interaction ,training placement support activities.	Government GB College	14/08/2020	31/12/2021	0

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Roman and Software Development Centre, The University of Da Nang, Vietnam	21/06/2021	Academic Research	Nil
Science Input Press, 8 The Green, STE, Dover, Delaware, 19901, USA	01/06/2021	Academic Research	Nil
Japan Bangladesh Robotics Advanced Research Centre	26/07/2021	Academic Research	50

Scientific Innovation Research Group (SIRG), Beni-Suef City, Egypt	26/06/2021	Academic Research	Nil
Grand Academic Portal	21/02/2019	Academic Research	200
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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
741.6	662.9

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Others	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Newly Added
Classrooms with LCD facilities	Newly Added
Seminar Halls	Newly Added
Laboratories	Newly Added
Campus Area	Existing
Class rooms	Newly Added
No file uploaded.	

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
SOUL 2.0	Fully	2.0	2016
KOHA	Fully	18.11.04.000	2016

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	40969	11103763	1778	802644	42747	11906407
Reference Books	12538	4534024	2011	955566	14549	5489590

e-Books	1613	13570	1613	13570	3226	27140
Journals	86	466068	100	641939	186	1108007
e-Journals	135700	277300	135700	412300	271400	689600
Digital Database	Nill	Nill	1	54162	1	54162
CD & Video	698	45854	1300	65000	1998	110854
Library Automation	2	241000	Nill	Nill	2	241000
Weeding (hard & soft)	Nill	Nill	3204	640000	3204	640000
Others(s pecify)	Nill	Nill	1	4200000	1	4200000

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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 Vineet K Awasthi	Object Oriented programming with C	Institutional LMS	23/12/2020
V. Anurag Rao	Programming in C	Institutional LMS	23/12/2020
Ayaz Ahmed Faridi	MS-office	Institutional LMS	23/12/2020
Narendra Kumar Patel	Rigid and resistant bodies, Link	Institutional LMS	08/12/2020
Dr Milan Hait	IR Spectroscopy	Institutional LMS	03/09/2020

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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	1350	9	500	1	0	130	36	500	0
Added	0	0	500	0	0	20	0	500	0
Total	1350	9	1000	1	0	150	36	1000	0

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

1000 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

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
458.64	447.23	666.6	644.89

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

The University has a dedicated maintenance department responsible for carrying out the duties of all departments and is responsible for overseeing the maintenance of buildings, classrooms, laboratories, sports facilities, hostels, canteens, lawns etc. The Maintenance Department is headed by a qualified technical expert and has support staff such as plumbers, electricians, carpenters, mechanics, etc. The maintenance of equipment for water pumping plants, sewage, etc. are undertaken as per their preventive maintenance schedules, guidelines by the equipment supplier. CVRU Maintenance Management System (CMMS) is subdivided as Physical, Academic, IT maintenance and Support facilities. Physical Facilities: Maintenance and Construction in-charge conducts maintenance for buildings, landscape, equipment, infrastructure etc. Course-work Facilities include Class rooms, Labs, Seminar Halls, Library Support Facilities Canteen, Transport, Hostels, Guest House, Bank and Post Office Utilities Electricity, Water etc. Communication Welfare Facilities include Refreshing Rooms, First Aid, Transport etc. also facility for all repairs and services undertaken. Physical facilities comprise General maintenance, Environmental services, Buildings, garden culture, Electrical maintenance etc. Academic Facilities: Directives and Procedures in force are there for academic maintenance viz. Capital Planning and Implementation, Procurement and Purchase, Inventory Disposal of Surplus Furniture and Equipment, Item Request, Raise and Allotment Steps, Shifting and Lock and Key Control, Maintenance Request Procedure, Satisfaction and Feedback Report. The additional special services include Shifting and Moving, Life Safety Services. The Central Library has several procedures in place for the maintenance of books, journal, articles, thesis etc. The University sets aside specific percentage of its budget towards maintenance and logistics - a portion of which is utilized for continuous up-gradation of its academic facilities. The maintenance department also ensures uninterrupted power supply and maintenance of electrical assets. The maintenance of equipment like generator sets, general lighting, power distribution system, solar panels etc. are undertaken as per their preventive maintenance schedules, guidelines by the equipment supplier.

Maintenance Policy and Maintenance System of CVRU: The responsibility for maintenance and upkeep of any physical, academic and support facilities such as laboratory, library, sports complex, computers, classrooms etc, rests according to CVRU maintenance policy followed by Periodic Maintenance and Break-down Maintenance. Sports Maintenance: Sports Officer of CVRU is the nodal authority for sports. There in sports committee and sports maintenance Staff (SMS) with him. SMS is provided with requisite resources maintain all sports field, sports gears, equipment, Gym Machine, Grass Cutting Machine etc. SMS responsible to University Sports Officer looks after maintenance of all Sports facilities.

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	Discount In Tution Fees (Meritorious)	296	2223579
Financial Support from Other Sources			
a) National	Nil	Nil	Nil
b) International	Nil	Nil	Nil
View File			

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
CRT Classes	16/03/2019	950	NEESHAM ACADEMY
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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
2019	CRT and PD	Nil	950	Nil	633
2019	UPSC	1100	Nil	50	Nil
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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
3	3	14

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
Bridge Group Solution	50	37	SATYA AUTO PRIVATE LIMITED	1	1
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
2019	10	Diploma EE	Electrical Engineering	Dr.C.V.Raman University	B.E.EE
2019	1	B.E. CSE	Computer Science Engg.	Dr.C.V.Raman University	M.Tech.CS
2019	6	Diploma CSE	Computer Science Engg.	Dr.C.V.Raman University	B.E. CSE
2019	2	B.E. Mechanical Engg.	Mechanical Engineering	Guru Ghasidas Central University Bilaspur	MBA
2019	14	Diploma Civil Engg.	Civil Engg.	Dr.C.V.Raman University	BE Civil Engg.

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

Items	Number of students selected/ qualifying
NET	5
SET	1
SLET	2
GATE	2
CAT	4
Any Other	36

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

Activity	Level	Number of Participants
COMPETITION FOR SELECTION 35 INTER CENTER ZONE	INSTITUTIONAL	70
YOUTH FESTIVAL AT BILASPUR	INSTITUTIONAL	35
YOUTH FESTIVAL AT BILASPUR	INSTITUTIONAL	35
RAMAN LOK KALA UTSAV	INSTITUTIONAL	80
ANNUAL FUNCTION	INSTITUTIONAL	120

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Spot Photography	National	Nil	1	CV5101804735	Amar Kumar Kaushik
2019	Mahandi Competition	National	Nil	1	CV5101804295	Sana Parveen
2019	Solo Dance	National	Nil	1	CV5101701761	Rishu Gadewal
2020	Solo Dance	National	Nil	1	CV150161681	Rishikesh
2019	Innovation concept to promote sports	National	1	Nil	CV5201802984	Abhishek Sendha

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

Dr. C. V. Raman University has a unique policy for building an association and council of students towards catering to all the departments which comprises of the representative body of students as well as members from all the stakeholder group viz. management, faculty, administration, staff, members from local community and members from industry. The Association of CVRU for representing the University community comprises of students from different departments for getting the advantages of the opportunities for creating and sustaining environment which helps to achieve excellence for every member of the community as it is believed that progress and success is only achieved when all the stakeholders join their hand and works towards attainment of goals formulated by the university for the welfare of community, society and nation. The University has a student council which comprises of 10 student representatives (including boys and girls). The Council organizes various student activities and extends support to organize extension activities of the University. The common functions like student association meetings, students' expo, blood donation camps and annual day are organized by the student's council. The CVRU Student council is responsible for the functioning of various activities in the University such as quiz, photography, literary, music, drama, voyage and eco club, which encourages students to portray their latent talents followed by a teacher-advisor. The group organizes various student activities and extends support to organize extension activities of the faculty. Apart from extension, the activities carried out by the students' group include educational exhibition, teacher's day celebration, Swachh Bharath, cultural fest, rally and publication of e-magazine, news bulletin and wall magazine as well as conducting different co-curricular and extra-curricular activities in the university for the holistic development of the students. Moreover, CVRU has its student's Literary club which functions with an objective of organizing various competitions like debate, extempore, poetry, theatre, calligraphy, phonetics, oratorical, recital, essay, vocabulary skill, word-art, etc. The representation of the students on academic administrative bodies/committees of the University is as follows: Board of Studies, Academic Council, Alumni Association, Internal

Quality Assurance Cell (IQAC), Student Clubs (ECO Club, Cultural Club, Adventure Club, Science Club, Yoga Club), NSS NCC, Sports Advisory Committee, Library Advisory Committee Students representing all branches are made members in the Library Advisory committee and opinion of the students on matters related to adequacy and availability of books, e-resources, new titles and other facilities are considered. Members of the sports committee, including student representatives, meet once a month and take up agenda items like existing facilities, forthcoming tournaments, scheduling of practice timings to various departments, coaching facilities, etc. Besides this, there are several other committees/Cells (Placement Cell, Gender sensitization cells, Anti-ragging cells, Anti-discrimination cells, Cultural committee, Sports Committee and Student's welfare committee) which have effective student representation.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Alumni Association of Dr. C. V. Raman University is formulated and came into existence in the University with the ideology of connecting all the alumni to the university which helps university and students to get benefited in terms of their knowledge and experience and also to enrich the skill and facility for the students for their welfare as well as welfare and contributions towards the University as its Alma Mater. CVRU Alumni are actively involved in different activities of the university from time to time along with a strong alumni engagement in most of its events activities every year. There are the procedures and activities where Alumni Association of Dr. C. V. Raman University keeps involved. The role of the CVRU Alumni Association (CAA) for the effective functioning of the University is as under: 1. Maintenance of the alumni database and its regular updating. 2. Facilitate mutual interaction among Alumni of the University and keep them connected with the activities of the department/University. 3. Provide continuous feedback on various activities of the department/University 4. Contributing to professional development activities being alumni member of various CVRU committees 5. Participate actively in all the alumni activities conducted by CVRU each time, Alumni contributing to departmental development by sharing their expertise in various ways 6. Facilitating the university-industry interaction and advocating for training, placement and internship in terms of student benefit. 7. Providing feedback on curriculum and other CVRU resources and helping departments in enriching the curriculum based on the changing industry demand. 8. Delivering special lectures and motivating enrolled students 9. Financial Contribution by the reputed CVRU Alumni towards Purchase of Quality Books and other progressive up-gradation of resources, Conducting Annual alumni meet every year. 10. Involved in corporate-interaction for curricular activities such as guest lectures, expert talks, conferences, seminars and workshops. 11. Active involvement in social and extension activities for welfare of the student and the society There are a number of activities carried out by Alumni Association of Dr. C. V. Raman University. The CVRU Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non-financial means during the last five years Alumni are one of the main stakeholders of the University. They contribute immensely by sharing their expertise in various ways like advocating for placement and internship, providing feedback on curriculum, delivering special lectures and motivating enrolled students. Communication among the alumni is usually through group e-mail which provides updates on activities and keeps the alumni connected with CVRU. Some of the CVRU reputed Alumni contribute to the development of the university by sharing their expertise in various ways such as external examiners, guest faculty, and their feedback on curriculum. A separate link is developed on CVRU website for online registration of Alumni.

The final year students of every program are registered on the alumni portal.

5.4.2 – No. of registered Alumni:

2300

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

408000

5.4.4 – Meetings/activities organized by Alumni Association :

2

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)

CVRU has incorporated 3 practices for promoting participative management in the university viz. 1.The CVRU IQAC took active initiative to include student member in more than 12 in-house committees in addition to the previous in-house bodies and also introduced a Guardians forum in the University. 2. Formation of different statutory sub-committees under the supervision of CVRU IQAC with representation from all stake holder of the University for coordinating the important administrative activities of the departments. 3. Formation of different statutory sub-committees under the supervision of CVRU IQAC with representation from all the stake holders of the University for coordinating the important Academic Activities of the University. 4. Appointment of faculty coordinators each for the Faculties of Science, Arts, Engineering, Law, Management Commerce, Education Physical Education Information Technology for the smooth conduction of Industry Academia Activities and Linkages.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	The CVRU Admission Procedure is based on 3 steps using the admission softwares, CVRU-ERP and website portal liked with student corner, involving the complete implementation of e-governance viz. 1) The pre-admission process (Counselling) including the enquiry and data generation, form submission, screening, Financial Inclusion and student registration 2) The Post-admission process including the admission- attendance management and 3) The Admission Communication management in the CVRU campus.
Industry Interaction / Collaboration	1) Eminent members from industries act as visiting faculties, experts and members of the University Committees. 2) Tata Consultancy Services (TCS) organizes a several hours training

programme for employability related skill development of our students. 3) CVRU has established various linkages with the Industries through MoUs by which CVRU students of Professional Courses go for the frequent visits, internships, perform student faculty exchange activities etc. 4) CVRU maintains regular interaction with a number of Industry Houses like Cognizant Technology Solutions (CTS), TISS etc. These industrial organizations participate in the Campus Hiring Drive organized by CVRU every year. 5) CVRU Students undertook various Industrial visits to Narmada Cold Drinks, BSNL, NTPC, SECL, Jindal, Coca-Cola etc. during the session which broadens the real-life experience of the students.

Human Resource Management

CVRU is keenly involved in motivating and facilitating the faculty members to participate in Refresher Orientation courses. Arrangement of computer training programmes related to Tally and MS-office for non-teaching staff is regularly organized by the HR section of CVRU by the support of Skill development authorities of the Institution. Also, CVRU HRM in corporate organization of a workshop on different safety measure to adhere to in daily life and in work place, Self-appraisal of the teachers through maintenance of Academic Diary, maintenance of Grievance Redressal Cell, Anti-Ragging Committee, Sexual Harassment Committee, Appointment of a doctor (CMO), who visits the University once in a week, for facilitating health check-up of the teaching and non-teaching staff. The Departmental Advisory Committees were reconstituted through involvement of teachers, students and guardians.

Library, ICT and Physical Infrastructure / Instrumentation

1) LIBRARY: The University has developed and maintained libraries with all required academic resources including full time internet facility with high-speed internet, wide bandwidth, and electronic gateways for accessing and sharing electronic learning and teaching resources among researchers, teachers, students and the visitors. The library budget ensures that the latest editions of books and journal are continuously made

available. The library also provides book banks for the economically backward students. The Central Library is automated using the internationally acclaimed open-source Koha ILMS in Linux, SOUL, DELNET etc. 2)ICT: The use of audio/video aids in classrooms, library etc. is a common teaching feature at CVRU. The whole campus is Wi-Fi oriented and all class rooms are completely wi-fi enabled/ICT enabled with smart boards and smart TVs or OHP facilities. 3)PHYSICAL INFRASTRUCTURE: The CVRU campus is endowed with all the necessary learning resources and infrastructure including buildings, well-furnished classrooms, furniture, academic equipment, efficient canteen and mess and state-of-the-art laboratories. The physical space is provided in terms of different blocks, open areas, tree plantations and roads. The campus has several blocks, in which various organizational units are housed. The Blocks are designated as A, B, C, D, E, F, G, H, I Blocks, Central Library Block, Workshops, Radio-Raman 90.4, Canteens, Café-Kabana, Administrative block, Research block, CVRU-NSDC Academy, Guest House, IODE Building, Gymnasium Sports complex, boys-hostel, girls hostel, staff quarters, PMKK Block, bike car parking, etc. For the experiential methods to ensure the learning enhancement CVRU has active learning labs such as CAD-CAM lab, simulation lab etc. to understand the theoretical concepts through simple custom-made experiments. Laboratories are equipped with advanced instruments and apparatus for advanced level experiments as well as real models and illustrative charts to enhance understanding. To enhance programming skills e-facilities are there in all laboratories of CVRU. 4)INSTRUMENTATION FACILITY: AAS (Atomic Absorption Spectrometer), HPLC, Single beam Advanced Double beam UV-VIS Spectrophotometer, Flame Photometer, Lux Photometer, Digital Photoelectric Colorimeter, Microcontroller based digital pH-meter, Conductivity-meter and Turbidity-meter with PS System, 9-Parameter Water Analyzer Kit, Bomb-Calorimeter, Muffle Furnace, Soil Analyzer Kit, TLC, Column Chromatography Apparatus, COD

Apparatus, BOD Apparatus, Centrifuge, Soxhlet extractor.

Research and Development

CVRU is having its Research and Development Cell to promote and incorporate the advanced, innovative and quality research atmosphere in its campus as per the recent demands and current scenario. CVRU has established its advanced research infrastructure with fully equipped Research Laboratories and various Centers of Excellence to increase the number of research initiatives, international research linkages, MoUs, Patents, and library enriched with research database, e-resources, e-books and journals of hi-tech research. CVRU has published its peer reviewed multidisciplinary journal BJSTH in the current session as usual wherein different faculty members had contributed their research papers. CVRU has introduced a Research Reward Scheme to motivate faculty members for Quality research publications in peer reviewed top National International journals with high impact factor. CVRU encourages them to present papers in International/National/State Level Seminars, workshops and to act as resource persons. The University also exhibits the publication of research work of the faculty members in the CVRU library to inspire further research. CVRU motivates the faculty members and the students to organize various research-oriented seminars workshops at Institutional / State / National / International levels. CVRU has given its effort to upgrade the library internet research resources for being used in by various faculty members who intends to pursue various forms of research. CVRU has also introduced installed significant software URKUND for the research Plagiarism Check as a key ethical tool.

Examination and Evaluation

CVRU successfully completes its examination and evaluation procedures of each academic year as per the academic calendar from time to time. It also completes its traditional written examination with project works, assignments, debates, group discussion, literature review, power point presentation, grand viva and seminal lectures. The Process of examination at

CVRU is completely based on Online mode involving the Examination Management system linked through the CVRU-ERP with the thorough incorporation of e-governance in all its areas of operations, viz. MCQ based Question-Paper Preparation, online Exam-Time table declaration, Roll Number and admit-card generation, hall ticket issue, exam-moderation, online-Evaluation and result declaration. Examination process at CVRU is completed within the stipulated framework of guidelines of the University and as per the scheduled dates outlined in the academic calendar. CVRU has complemented traditional written examination with virtual Labs, online-ICT based unit Tests, online-assignment submission, e-debates, virtual group discussions (GD) and PD sessions, literature review, power point presentation, and online viva-voce exam with relevant recordings of the

Teaching and Learning

CVRU focused on the adoption of ICT-based learning tools for effective Teaching-learning process and thus incorporated and implemented its own LMS (Learning management System) in I-TRACK for the Hi-end technology to augment efficacy in this digital era owing to offer extensive exposure to learners and access high quality information and study materials in one platform with enhanced facilities of online teaching, e-labs, online assignment grading system, online assessment, audio-video and URL sharing with all 5 formats of doc files, online student attendance and placement and internship facilities in a single platform. Different methods of experiential and participatory learning are adopted by CVRU to ensure that students are active participants than remaining passive listeners in the teaching learning process. Those learning activities

Curriculum Development

The curricula developed in CVRU is well- defined with learning outcome-based curriculum Framework (LOCF), including the skill-based learning objectives and outcomes both at the program level as well as course level. Experts from the industry and academia are engaged in developing graduate

attributes, educational objectives and learning outcomes for CVRU courses and programs keeping in mind the latest trends in education and the changing requirements of the industry. CVRU provides a broad spectrum of courses ranging from basic, applied, interdisciplinary, job oriented, skill based, entrepreneurship and valued added courses. The CVRU curricula developed and adopted is having focus on the following aspects/components/elements: 1) catering to the emerging needs of Industry: 2) Need based programs (NBP) 3) Outcome oriented programs with outcome-based education (OBE) 4) Review of courses with outcome-based courses framework (OBCF) 5) incorporation of Trendier programs (TP) 6) Skill based education (SBE) with skill based Curriculum(SBC) 7) Innovative technology use (ITU) 8) Promotion of talent by social connection(PTSC) 9) National and international collaboration to improve quality(NIC) 10) Research Orientation and Entrepreneurship Development (ROED)

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

E-governance area	Details
<p>Planning and Development</p>	<p>The University has a well-designed web portal which is expected to aid in various administrative and academic matters. Various important forms and formats (pdf versions) as well as important official documents are uploaded in the University's web portal for the ease of accessibility by various stakeholders. CVRU implemented SMS system for dissemination of information including regular notice to all stakeholders. Setting-up of virtual system through Skype from distant corners of the world.</p>
<p>Finance and Accounts</p>	<p>E-governance is the integration of Information and Communication Technology in all the working processes of the system. It aims to minimize the manual efforts and improve the communication, create transparent system, and to be cost and time effective. To facilitate the same CVRU has initiated it in its finance and accounts ab-initio. Already the University has continued with its pre-established e-Governance-system of finance and accounting in its office,</p>

which is operational since 2008. Salary bills of the permanent staff being sent online to the treasury. Swipe Machine is also available. During the new admission process, the financial transactions by the students were made in cent percent cashless mode.

Student Admission and Support

The CVRU Admission Procedure is based on 3 steps using the admission software, CVRU-ERP and website portal linked with student corner, involving the complete implementation of e-governance viz. 1) The pre-admission process (Counselling) including the enquiry and data generation, form submission, screening, Financial Inclusion and student registration 2) The Post-admission process including the admission- attendance management and 3) The Admission Communication management in the CVRU campus.

Examination

The Process of examination at CVRU is completely based on Online mode involving the Examination Management system linked through the CVRU-ERP with the thorough incorporation of e-governance in all its areas of operations, viz. MCQ based Question-Paper Preparation, online Exam-Time table declaration, Roll Number and admit-card generation, hall ticket issue, exam-moderation, online-Evaluation and result declaration. Examination process at CVRU is completed within the stipulated framework of guidelines of the University and as per the scheduled dates outlined in the academic calendar. CVRU has complemented traditional written examination with virtual Labs, online-ICT based unit Tests, online-assignment submission, e-debates, virtual group discussions (GD) and PD sessions, literature review, power point presentation, and online viva-voce exam with relevant recordings of the data.

Administration

To achieve the target of Paperless environment, CVRU-IQAC initiated for the compulsory execution of e-governance in the necessary areas of administration by using Google facilities like 1) Google Sheet: For data collection from Various Departments. 2) Google Docs: To prepare circulars/reports/notices and activity reports. 3) Google Forms: To prepare

Feedback forms and get Online feedbacks of Students, Parents and other stakeholders 4) Google Drives: To keep and share all the relevant data and records. 5) CVRU has Biometric attendance system for all its staff. 6)The campus is equipped with a number of CCTV Cameras installed at various places as required and available for surveillance 7) ICT enablement with smart TV and smart board for meetings and presentations has been introduced in all the administrative works 8) Staff uses smartphone with inbuilt social app and domain id like Gmail to communicate 9) Official WhatsApp Groups helps to provide the brief notices or communication and information between each staff member.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	SAURABH MITRA	NATIONAL LEVEL WORKSHOP FOR DUAL MODE UNIVERSITY (NAAC)	Nill	1800

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6.3.2 – Number of professional development / administrative training programmes organized by the University 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)
2019	Six Days Faculty Development Programme on Entrepreneurship Development	Nill	20/08/2019	25/08/2019	100	Nill
2020	Five Days workshop on Handmade	Nill	01/02/2020	05/02/2020	50	Nill

	Soap Making					
2020	Three Days National Workshop on Divya Aosadhi Pr asansakara n evam Upayog	Nil	26/02/2020	28/02/2020	100	Nil
2020	Six Days Faculty De velopment Programme on Ingredient of Effective Teaching	Nil	02/11/2020	07/11/2020	100	Nil
2019	Nil	Three Days Workshop on Persona lity Devel opment	08/07/2019	10/07/2019	Nil	87
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
FDP on(3 days) Next -G 2020	1	03/07/2020	05/07/2020	3
Five day faculty development program on" ICT based teaching and learning process	1	01/07/2020	05/07/2020	5
One week online faculty development program on"Emerging Trends Technologies in Data Science	1	24/08/2020	29/08/2020	6
AICTE Sponsored six days Online	1	14/12/2020	19/12/2020	6

Short Term Training Programme on "Implementation of Medical Image Processing using Advanced Green Computing Technology"				
AICTE Sponsored six days Online Short Term Training Programme on "Supervised Unsupervised Machine Learning using Google Cloud"	1	16/11/2020	21/11/2020	6
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
9	9	12	12

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
9	9	3

6.4 – Financial Management and Resource Mobilization

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

Dr. C. V. Raman University has a well-defined and transparent audit procedure where an external auditor is appointed since the establishment of the university for regular audit. The auditor is appointed as the external auditor of the university who audits the accounts and finances of the university every year in the month of April (after completion of a financial year) and submits his final audit reports. Dr. C. V. Raman University is a well-established self-financed university which has a well-structured internal audit mechanism in place. University has appointed an internal auditor who performs the internal audit of finances on quarterly basis. Apart, Vice-chancellor, Chief Finance Officer (CFAO), Dy. Registrar and Account Officer checks the income, expenditure and accounts on monthly basis to make all the transactions and accounts updated. Such mechanism is developed to sort out the shortcomings and corrections and helps university to take corrective actions as per the budgeted activities. As mentioned above, the external audit of the accounts of the University is audited by Mr. Ashish Sevak, from Singhal and Sevak and till now no objections has been found on any of the audit. The expenditure and income details (Balance Sheet and Audit Reports) for the-every financial year is being prepared accordingly.

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
Nil	0	Nil
No file uploaded.		

6.4.3 – Total corpus fund generated

No Data Entered/Not Applicable !!!

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	GAP and GAAC	Yes	IQAC
Administrative	Yes	Shinghal and Sewak	Yes	CA Sumit Badwani

6.5.2 – What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

NA

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

CVRU believes in the academic, social, moral and cultural development of students by acquiring inputs from all stakeholders. Although CVRU does not make a formal interaction schedule per week with the parent- teacher association, yet interactions of teachers with parents during CVRU parent-teacher meetings of different departments come up with new suggestions related to the overall development of the students. The Parent-Teacher Association at CVRU provides a significant support to the University in a following way: Providing valuable suggestion for development of the University: Pointing out the weaknesses of the University related to the departments and suggesting rectification: Communicating views for which the students feel shy to communicate directly to the teachers about the Institution and the department. Teachers of CVRU have been able to communicate with parents to prevent early marriages and other prejudices related to the drop-out of girl students. This has resulted in the increase in overall percentage of girl students in the University (CVRU).

Presently, the female students constitute a major place of the total undergraduate students and post-graduate students of the University. While maintaining the attendance record of students, if a student shows poor attendance, then parents are informed about the same by faculty members/Heads/Deans and subsequently meetings are arranged by the CVRU authority with the Parents-Teacher Association on quarterly basis. In almost all cases, parents provide essential support and care to ensure proper attendance of their ward. Joint effort of parents and faculty members has ensured good representation of girl students in field-based subjects of UG- PG which require field trainings to different parts of India. The activities of CVRU-PTA during the year are as under: 1) The CVRU-PTA initiated 4 executive-committee meetings viz 2 meets per semester to discuss and resolve the various issues relevant to teaching-learning, curriculum, fee, syllabi, exam and result 2) Organized a workshop on the "Role of stakeholders in the process of academic-enrichment and extracurricular support".

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

1) A Five Days Expert Training Program was organized by the "Professional Development Administrative Cell of CVRU IQAC on "How to Prepare Documentation

More Effectively” for all Non-Teaching Supporting staff of the University. 2) Three days program on “Essentials and effectiveness in Campus Waste-Management” was conducted by CVRU-IQAC during the year for the relevant supporting staff of university. 3) This year 46 support staff of CVRU were trained for “Effective Record Keeping Office Management” 4) Several number of supporting staff of CVRU were trained with elementary and advanced Tally for increasing their computer proficiency. 5) Training of the CVRU Admission-office staff on Computer Skills advanced Excel was done successfully so that they would be able to handle the technical aspects, online queries and interaction of students regarding the complete admission procedures throughout the year from time to time. 6) Support staff of Accounts section were trained to be proficient with different online schemes of the State Government and Central Govt. for the Students and Faculty members of HEI’s. 7) CVRU conducted a staff development program as 1 week workshop on 7 key areas of IT Skill inclusions, Gardening Skills, Stress Management, Maintenance Skills, Resource Management, Safety Management and Lab Maintenance for its respective supporting staff.

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

CVRU-IQAC has taken a number of Initiatives after the Accreditation Process including the recommendations provided by the committee during the accreditation process which has been incorporated accordingly: 1) Making all the Programmes as student-centred with learner-centric approach and respond to diversity 2) Preparing a well-structured Induction program including the induction-coordinators for all the incoming UG-PG and Diploma students. 3) Adoption of ICT-based learning tools for effective teaching-learning process and increase in the use of ICT tools and resources by the teachers and students such as Google classroom, Moodle, Powerpoint for presentations etc as well as through the Institutional LMS viz.-I-TRACK. 4) Imparting Life-Skills to Students and Tracking their progress after completion of the course. 5) Conducting maximum number of Faculty Development Programmes (FDPs), EDPs and MDPs to enrich the quality development initiatives. 6) Adoption of maximum number of villages for the exchange of knowledge and skill for the overall development, social benefit and economic betterment of the village communities. 7) Increasing the Social and Industry Connect through Industry-Academia interaction. 8) Involvement and enrollment of maximum no. of Teachers in the courses of NPTEL, SWAYAM etc. Participation of maximum no. of Faculty members in the FDPs, STCs, Refresher Orientation Programmes. 9) Implementing complete E-Governance in all the key areas of Operations Viz. Administration, Finance, Accounts, Student admission and support, Examination, Planning and Development, 10) Upgrading the CVRU infrastructure by Increasing the no. of Smart Classrooms, better Innovation and Incubation Centers, advanced Research Laboratories, New Canteen for quality Healthy Foods and better Girls Hostel and Mess facility in the campus. 11) Increasing and recruiting the maximum number of faculty members with Ph.D 12) Holistic Education with maximum number of skill-based and value-based courses in the existing curriculum. Increase the number of MoUs Linkages with Industries Institutes of Repute. 13) Preparing curriculum for outcome-based learning with the PO’s, PSO’s COs for all Programmes in the Departments including the Graduate Attributes.

6.5.6 – Internal Quality Assurance System Details

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

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	The CVRU IQAC and the CVRU Central Library jointly organized a Training Program of 1 month on "Library Organization Management" for some Meritorius Students of M.Lib	02/07/2019	02/07/2019	01/08/2019	20
2019	In order to develop policy inputs for enhancing environmental performance and Green Technology and Research in the University campus, IQAC has undertaken an initiative by organizing a 2-days workshop on "Go-Green and Green-Productivity: The need to b	03/07/2019	03/07/2019	04/07/2019	175
2019	CVRU-IQAC NSS jointly organized a workshop on Societal Services under the Unnat-Bharat Abhiyaan Scheme to upgrade enhance the society	05/07/2019	05/07/2019	05/07/2019	60

	beneficial activities awareness.				
2019	Under the Continuation of "SANKALP ARPA ABHIYAN" CVRU IQAC conducted a mega Plantation Drive through the Shramdaan. Activity thereby contributing and spreading awareness and information regarding the Environment safety and precautions environmental	06/07/2019	06/07/2019	06/07/2019	85
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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
An Educative Workshop on Good Touch Bad Touch	22/08/2019	22/08/2019	50	150
One Day Seminar on Enhancing and Enabling Environment for Business & Investment Climate for Women Entrepreneurs	06/03/2020	06/03/2020	40	80
One Day	16/06/2020	16/06/2020	22	50

Seminar on Sexual Harassment of women at Workplace				
One Day Seminar on Eliminating Online Violence Against Women & Engendering Digital Equity	08/07/2020	08/07/2020	35	95
One Day Seminar on Gender Equity & Sustainable Development	16/08/2020	16/08/2020	45	80
One Day Seminar on Role of Women in Rural Development, Food Production & Poverty Eradication.	10/09/2020	10/09/2020	50	75
One Day Seminar on Women Entrepreneurship & Globalization	12/10/2020	12/10/2020	20	60
One Day Seminar on Impact of Feminism on Modern Education	14/11/2020	14/11/2020	30	45

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
<p>A 10KW Solar Panel was set up in the campus which is being installed above the Central-Library block and Academic Research block to meet the electricity requirement for the Library, Reading Room, Digital conference room and the campus street lights has been running with supply of electricity requirement through the 15Watt LED Lamps. Thus, the total annual conventional electricity power consumption during the assessment year was approximately 543215 Units. All the rooms infrastructural atmosphere of the University Academic, Research, Administrative blocks are provided with LED lights. Also, as a step towards environmental consciousness, CVRU celebrates the World Environment Day, World Ozone Day (by Chemistry Department), Vanmahotsav (Tree Plantation), Popular Lecture Talks on environment sustainability organizes several Seminar, Symposia, Quiz and various other activities related to Green Environment Energy followed by plantation drives.</p>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
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Physical facilities	Yes	15
Provision for lift	Yes	15
Ramp/Rails	Yes	15
Braille Software/facilities	Yes	15
Rest Rooms	Yes	15
Scribes for examination	Yes	15
Special skill development for differently abled students	Yes	15
Any other similar facility	Yes	15

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	15/09/2020	1	Soil Testing in Adopted Village	1	45
2019	1	1	10/10/2019	1	Jal Shakti Abhiyan	1	60
2019	1	1	15/11/2019	1	Poshan Pakhwada	1	40
2019	1	1	26/05/2020	1	Corana Rahat (Mask, Sanitizer and Ration Distribution)	5	60
2019	1	1	27/01/2020	1	Entrepreneurship Training	1	40
2019	1	1	27/02/2020	7	Workshop on Handmade soap Making	1	60
2019	1	1	15/06/2020	1	Covid-19	5	35

					Awarness Program		
2019	1	1	07/04/2019	1	Awarness Camp for Government Schemes in Adoptted Villages	5	100
2019	1	1	08/06/2019	1	Plantation Work in Adoptted Villages	2	200
2019	1	1	09/05/2019	1	Health Camp	12	100
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
A Handbook on Code of Conduct Professional ethics: Values Guidelines	19/08/2019	The Code of Conduct Professional ethics with various values guidelines along with its functioning for various stakeholder of the university like Governing Body, V.C., Registrar, Principal, DR, AR, CFAO, Librarian, Exam Controller, Teaching Non-Teaching Staff Other In-House wings was circulated amongst all through the IQAC on 3rd September 2019, displayed on the Notice Boards, official WhatsApp Group apart from being uploaded in the institutional websites.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Womens Day Celebration	18/03/2019	18/03/2019	72
International Yoga Day	21/06/2019	21/06/2019	195
Environment Prevention and Plantation Drive	20/07/2019	20/07/2019	45
Teachers Day Celebration	05/09/2019	05/09/2019	215

Literacy Day	08/09/2019	08/09/2019	135
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1) Encouraging the use of CFL and LED lamps. Installation of LED lamps and motion sensors in throughout the campus. 2) Reduction in use of papers by digitalization of reports records facilities. 3) Installation of power factor correction units (Capacitors) to improve the power factor to reduce transmission losses, Improve voltage Conserver energy. 4) Introducing use of bicycles for students and staff to use within campus. 5) Introducing and incorporating solar panel system with a number of solar cells for a smooth saving of energy and power. Introducing solar cart within campus used by faculty member other staff. 6) Installation of water saving adjustable aerators on water taps. 7) CVRU has separate contracts to vendors for disposal of hazardous materials such as e-waste, bulbs, old batteries, tube lights, plastics etc. 8) Installation of Rain Water Harvesting System. 9) Distribution of potted plants as felicitation of dignitaries. 10) Distribution use of Jute-Bags throughout the campus. 11) Implementation of Waste-Water Recycling System. 12) IQAC has taken an initiative for a Mobile Van issued by the State Govt. to reach the rural areas visit the various schools and villages for promotion of Science and Technology. 13) Restricting the random use of air conditioners. 14) To create awareness among the students and staff about the sustainable use of electricity, initiative has been taken by the university under the green campus strategy. 15) Provision of master switch to all the class room, to enable to switch off all fans/lights, at end of class work. 16) Constructions of building with more provision of natural light and ventilation enabling lever consumption of electrical energy in the day time.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

BEST PRACTICE-1-ONE: I-TITLE OF PRACTICE: Implementation of Sustainable Waste Management System SWMS entitled as C.V. Raman Sustainable Solid Waste Management System (CVRSSWMS) in CVRU Campus II. **OBJECTIVES OF THE PRACTICE:** The concept of Institutional Solid Waste Management System has been gaining importance globally due to the growing environmental concerns. Particularly for a country like India, this approach is highly relevant for combating the increasing stress on different sectors of the society. For the sustainable development of the university, it is very important to judiciously handle the environmental issues like the solid waste management. Implementation of integrated sustainable Institutional Solid Waste Management approach minimizes the waste and environmental pollution and provides economic benefits, through best suitable method for managing the waste i.e. reuse, recycling, recovery.

III THE CONTEXT: Universities bear a huge and vicarious responsibility in ensuring that sustainable plans and policies are imbibed in the society. Through its expertise, a university has the capacity to increase awareness, knowledge, technology and tools necessary to promote and sustain best practices within and around the community in which it is located. Developed countries have made great progress in terms of waste management both at the university and community levels. Developing nations with their peculiar challenges are still trailing behind in this regard. Institutional waste is not handled and disposed of together with domestic waste. The solid wastes generated at the university campuses constitute large number of recyclables which can be recovered if proper solid waste management system is used. CVRU has developed into a significant Centre of Education in Central India. It hosts many prominent departments and faculties. This means a lot of institutional waste is generated in the campus. These wastes can be managed to reduce the burden on

the society and the administration which is mainly responsible for proper handling and disposal of this waste. Comprehensive and efficient waste management system helps to effectively manage this waste and explore the potential of resource recovery from the waste. IV THE PRACTICE: Unanimously huge amount of waste is generated from the campus which consists of plastics, paper, glass, metals, food waste, garden waste, electronic/electrical, hazardous waste etc. Annually a huge amount of capital can be obtained by implementing a waste management system as a best practice in the CVRU campus also the amount can be recovered by selling the waste. The waste management system in the campus is in-appropriate. All of the waste is collected in the different color-marked-dust-bins arranged by university and thrown at different dumpsites within the campus and is set to burn. Hence, from two years a sustainable waste management system in the campus is implemented. In order to manage the solid waste effectively we need to understand its composition and all the activities that follow once the waste is generated. Basically, composition and characteristics of the waste depend on a whole lot of factors and also vary periodically. Each of these zones has been marked with different collection point, mainly with two colored dustbins are placed in different location. In laboratories one extra special colored bin is placed for hazardous wastes and instructed to dispose it safely as per guidelines. Some of departments (Administrative and Maintenance) which produce wastes in bulk especially paper and furniture waste has separate storerooms and policies for the disposal. Biodegradable waste (Organic Waste) mainly contains Food and Garden wastes which are collected in green dust bins and garden areas and are send directly to the respective recycling center situated within campus twice in a day. An integrated approach has been adopted for the disposal of the waste. The organic part of the waste is turned into manure by using sustainable practices such as bio gas, compost-plant and vermin-composting pit. Inorganic Waste of the blue dust bins (color-marked dust bins of CVRU) are collected in a pavement constructed near the maintenance department. Now wastes are sorted as per the composition and type of waste. After sorting, Segregation is the key for making a sustainable waste management system. Segregated waste is stored and twice in a month sold to the market for further recycling. Resource recovery from the waste include both recovery of the useful materials by recycling, as well as the recovery of the wealth by selling the recyclables. Now in metro cities e-kabaddi plays a major role for economical and safer disposal of e-waste. They collect mother boards, batteries, UPSs, SMPS, Cabinets, Printer's parts, Toner cartridge etc. e waste with a good rate and send to countries like Taiwan and Singapore for further recycling/reuse. But, Bilaspur is not a metro-city, thus the scenario is different. Construction waste are mainly used for leveling of ground, segregated in metal and other parts in the campus or reused, recycled, recovered in secondary market. The University CVRU plans for the Recyclables to be sold in the secondary market to recover wealth from the waste. V-EVIDENCE OF PRACTICE: 1. Details of the orientation programmes are there as organized by CVRU for Maintenance, House Keeping and technical Staff. a. 18 Technical staff oriented in First Phase b. 30 Maintenance staff oriented in second phase c. 25 House-keeping staff members got Training in the Third Phase 2. CVRU has sufficient MoUs with secondary recycling agencies for significant recycling and processings. VI-PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED: a) Resources required: 1. Appropriate numbers of different sized and colored collection bins 2. Hazardous waste disposal bins and system 3. Trained House Keeping Staff for collection of waste 4. Proper Vehicle management for transportation and disposal of waste 5. Proper storage areas, pavements, store rooms at different locations. 6. Pit to dispose hazardous waste 7. Tools and technical staff for segregation of waste 8. Safety and Hygiene: Jackets, Gloves, Masks and other equipment 9. Display boards for increasing awareness 10. Charts of waste types and methodology b) Problems encountered: 1. Dr. C.V. Raman University is located in a tribal low-developed

area of Kota Nagar panchayat, where there is no municipal corporation mechanism for disposal of waste 2. Agencies for recyclable electronic waste are not available easily in Bilaspur 3. Non-recyclable Plastics disposal system has a major issue to the society

BEST PRACTICE-2-TWO: Organizing Talent Search Exam for School Students Every Year

The Objectives:

1. Awareness for Higher Education: This exam helps students to know about the various prospects and programs in Higher Education as well as broader aspects of awareness to undergo varied competitive examinations.
2. Making Student familiar with OMR Sheet: Through this exam student gets skilled, how to fill up the OMR Sheet.
3. Providing best Career Counselling: 24 x 7 online and offline Career Counselling facility is available in the University. This facility is provided to the students who appeared in the Talent Search examination, so that they can choose the best available options for their future studies and career prospects.
4. Quality Enrollment of Students in the University: The quality students from this exam receives the free-ships from the University after their enrollment in different Programs offered by the University.
5. Provision to Increase the Overall GER of the region, of State and thereby of Country.

The Context: Major Population of Chhattisgarh about 76.76 is living in Rural areas in which approx. 12.82 is SC and 30.62 is of ST category respectively.

Moreover, the University is also established in a Rural area of Chhattisgarh in a tribal belt. Being a university, it is the prime objective of the HEI to increase the Gross Enrollment Ratio across the regions and implement the Plan and policies of Government towards Higher-Education Ecosystem. The maximum number of students belonging to this area are not aware of these. Also, students from this region are not aware of the Schemes and the Policies of State as well as of the Central Government towards Higher Education. The career-counselling and guidance cell of CVRU explains about the availability and importance of various Higher Education Programs to students eager to compete via this talent search exam. Through its expertise, CVRU provides career counselling for these students as most of them doesn't want to Continue education further which is mainly a matter of concern.

The Practice: The initiation is taken by the IQAC and Career Guidance Cell of the University as a Quality initiative for the conduction of Talent Search Exam. A letter is then sent to District Education Officer (DEO) of different District for the grant of permission for conducting the examination. The university team visits to the schools with the permission letter from DEO with significance of the examination. The school students are then shortlisted for appearing in the exam as per their efficiency. Then according to the count of the students from different locations, the examination center is finalized with the permission of the school principals. The exam is conducted within the months of December to January Every Year. Evidence of success Initially University conducted this exam in its campus, then in Bilaspur district and in the next few years it began to conduct the exam at eight districts of the state. Starting from 1500 student strength in its first year, the University

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

<https://cvru.ac.in/PDFDoc/AQAR/2020/7.2.pdf>

7.3 – Institutional Distinctiveness

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

LIVE AND LEARN IN CVRU-CAMPUS: For EXPERIENTIAL LEARNING AND SUSTAINABLE DEVELOPMENT

The vision statement of CVRU is to be transformed into a University of Global-Standards imparting world class education through skilled manpower which can make a significant contribution to the nation building and cater to the needs of the society by creating an intellectual domain that initiates,

nourishes and perpetuates the values of humanity, conscious co-existence and achievements of excellence. Thus, there is a prime concern towards its mission to ensure the adequate career preparation for its students by focusing on their knowledge and skill development, self-enrichment through suitable experiential learning for their sustainable development as well as transparent bottleneck analysis for intellectual, social economic development of the students and thereby of the society. Thus, CVRU is working towards its vision to achieve the standards to impart world-class education for which the University undergoes self-analysis, self-discovery and self-knowledge creation through its environment leading to the elimination of bottlenecks and creation of the knowledge through its distinctive feature of "LIVE AND LEARN IN CVRU CAMPUS" in the context of a holistic framework of education via each and every matter and resources in its campus environment turning into an arena of wisdom. In context of the above the University is involved in creation of knowledge-based materials and display-boards relevant to each and every physical aspect in the CVRU campus as well as associated to the whole flora and fauna in the campus, the scientific, non-scientific, literal, technical, non-technical, cultural, official and academic atmosphere of the CVRU campus including all its infrastructure via-learner-centric approach. This has been made possible through active participation and involvement of all concerned stakeholders and every staff of the University. The moment one enters into the CVRU campus, He or She could see the ambience of the University with an arena of wisdom and feel the presence of the whole World at CVRU with the sense of experiential learning through the specific quoted lines and visual display of all the Inventions and Innovations/ Discoveries/ Laws/ Quotations/ Phrases/ Botanical, Physical, Chemical, Zoological and Scientific-nomenclature/ History/Literature, Sports and Cultural achievements/Nobel Prize winners and their experiments/World's advanced areas of Research etc. for the sustainable development of own-self with sustainable knowledge and learning via campus environment.

Provide the weblink of the institution

<https://cvru.ac.in/PDFDoc/AOAR/2020/7.3.1.pdf>

8.Future Plans of Actions for Next Academic Year

1) CVRU Plans for the maximum number of Teachers of the University are to be trained in the latest and emerging trends in their respective subject domains, and the pedagogies that translate their knowledge to the students. 2) CVRU Plans to establish and encourage the link of the students with the society/industry such that the most of them are involved in socially-productive activities during their period of study in the University and develop the inherent competencies and kindle a positive attitude in the new entrants of the students. 3) CVRU Plans to educate all of its students in the crucial professional and soft skills, life skills such as effective communication, leadership, personality development and social skills, instill professional ethics, universal human values, the spirit of innovation, entrepreneurship and critical thinking among the students enrich the curriculum and promote avenues for the display of these talents as well as enrich the curriculum with these type of supportive-skill courses, vocational-courses and social orientation courses along-with the core-courses and elective-courses. 4) CVRU Plans to upgrade the Key-Drivers of the University viz. Faculty, Pedagogy, Lab, Library, Research LMS, Exam and Admin with advanced Technology and e-Governance. 5) CVRU Plans to boost the employability of its graduates/students through curriculum reforms and inculcate in them the emotional and intellectual energy and values with positive attitude and attain specific knowledge, thereby cultivating a sense of intimacy and an awareness of privilege and responsibilities in them/students with high-order inspiration towards the nation's traditional and cultural values. 6) CVRU plans to upgrade the academic resources and learning environment to raise the quality of teaching and research

promoting the high-order thinking skills such as analysis, synthesis, evaluation and creativity 7) CVRU plans to improve the value and efficacy of the academic and administrative process with the state-of-the-art tools and E-resources for content creation and training of faculty members viz. ARPIT, SWAYAM, MOOCS, NPTEL, LEAP, NRC's, E-PG PATHSHALA etc. 8) CVRU plans for promoting advanced and quality research and trans-disciplinary research pertinent to national development by faculty and students to inculcate innovative thinking for the creation of ground-breaking knowledge inspiring faculty to evolve and emerge as an eminent academician. 9) CVRU Plans for making the faculty members enough aware to participate in emerging research areas through the various available Schemes such as IMPRINT, IMPRESS, SPARC, STARS, STRIDE, PACE, SEED. NIDHI, PRISM, TDP, CAR, IIC, ACICetc by several public departments or agencies like DST, SERB, ISRO, CSIR, NRDC, BIRAC, DBT, DRDO, ICAR, TDB, UGC, MHRD, AICTE, NABARD etc. 10) CVRU Plans to enrich its complete University framework with Quality Values and ethics through the STRATEGIC ELEMENTS such as People, Governance, Technology, Regulatory Bodies and STRATEGIC FOCUS and STRATEGIC CORE such as Participation, Integrity, Competency, Transparency, Accountability, culture of value orientation and ethical practices.