

The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. (Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)

Part – A

AQAR for the year

2017-18

1. Details of the Institution

1.1 Name of the Institution

Dr. C. V. RAMAN UNIVERSITY

1.2 Address Line 1

KARGI ROAD

Address Line 2

KOTA

City/Town

BILASPUR

State

CHHATTISGARH

Pin Code

495113

Institution e-mail address

info@cvru.ac.in

Contact Nos.

07753-253801

Name of the Head of the Institution:

Prof. Ravi Prakash Dubey
(Vice Chancellor)

Tel. No. with STD Code:

07753-253804, 253803

Mobile:

Name of the IQAC Co-ordinator:

Mobile:

IQAC e-mail address:

1.3 NAAC Track ID (For ex. MHCOGN 18879)

OR

1.4 NAAC Executive Committee No. & Date:
(For Example EC/32/A&A/143 dated 3-5-2004.
This EC no. is available in the right corner- bottom
of your institution's Accreditation Certificate)

1.5 Website address:

Web-link of the AQAR:

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

| Sl. No. | Cycle | Grade | CGPA | Year of Accreditation | Validity Period |
|---------|-----------------------|-------|------|-----------------------|------------------------|
| 1 | 1 st Cycle | B+ | 2.61 | 2016 | 2016-2021 (Nov, 04) |

1.7 Date of Establishment of IQAC: DD/MM/YYYY

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

1. AQAR 2016-17- Submitted to NAAC on 28-11-2017

1.9 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

(AICTE, BCI, NCTE)

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B

Grant-in-aid + Self Financing Totally Self-financing

1.10 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

(i) Information Technology

1.11 Name of the Affiliating University (*for the Colleges*)

1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

| | | | |
|--|---|------------------------------|--|
| University with Potential for Excellence | - | UGC-CPE | - |
| DST Star Scheme | - | UGC-CE | - |
| UGC-Special Assistance Programme | - | DST-FIST | - |
| UGC-Innovative PG programmes | - | Any other (<i>Specify</i>) | <ul style="list-style-type: none"> • DDUK • PMKK |
| UGC-COP Programmes | - | | |

2. IQAC Composition and Activities

| | |
|---|---------------------|
| 2.1 No. of Teachers | 10 |
| 2.2 No. of Administrative/Technical staff | 04 |
| 2.3 No. of students | 01 |
| 2.4 No. of Management representatives | 01 |
| 2.5 No. of Alumni | 01 |
| 2.6 No. of any other stakeholder and Community representatives | 01 |
| 2.7 No. of Employers/ Industrialists | 02 |
| 2.8 No. of other External Experts | 01 |
| 2.9 Total No. of members | 21 |
| 2.10 No. of IQAC meetings held | 10 |
| 2.11 No. of meetings with various stakeholders: | |
| | No. 19 Faculty 12 |
| Non-Teaching Staff Students 02 | Alumni 01 Others 04 |

2.12 Has IQAC received any funding from UGC during the year? Yes No

If yes, mention the amount

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2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. 18 International 00 National 10 State 04 Institution Level 04

(ii) Themes

- Advancement and Globalization of Chemical Sciences for Man, Material and Environment.
- Upgrading the AKFI & State Kabaddi Officials.
- Resources and Regional Development.
- Research Methodology: Generating the research idea.
- Data Analysis.
- Recent Trends & development in Mathematics.
- Molecular Techniques
- Teaching with technology.
- Training and awareness for E-Journal and E- Literature
- Global Competence and Excellence
- Sustainable development for societal upliftment
- Data analysis and SPSS
- Rural economic development (Economics)
- Women empowerment and human rights
- Legal aspects for environmental conservation
- Essentials yoga education and life skills
- Recent trends in medicinal plants used in drug developments
- Biodiversity conservation: Current status and future prospects

2.14 Significant Activities and contributions made by IQAC

- Development of Graduate attributes linked to the various program objectives and outcomes.
- Organizing Nobel Prize thematic deliberations & flagships for promoting the research quality thrust.
- Implementing new education policies: by incorporating the views and comments of various stakeholders.
- The roadmap for quality teaching and research has been prepared in the departmental level.
- IQAC ensures that class mentors for each class has significant contribution in various activities of the class and regular meetings with class mentor and students has been conducted.
- Regular meetings with specific agenda are held by the IQAC in which review of the quality specific work has been done as carried out by various academic and administrative departments.
- The IQAC has organized one-week Faculty Development Program from 8 Jan to 13 Jan 2018 for all the faculties (Teaching) on “Empowering academic skill and Research”.
- IQAC has conducted various outreach programmes around its campus through off campus activities and community services to enhance the quality excellence of the University.
- Environmental awareness and campus green initiatives taken.
- **Teaching with technology:** The IQAC has also organized a combined staff training workshop by Microsoft for all the teaching as well as non-teaching staff members of University entitled “Teaching with Technology” to upgrade the technological and ICT skills of the University staff.
- **Training and awareness for E-Journal and E- Literature:** IQAC organized a seminar regarding training and awareness for e-journal and e-literature for its research scholars and faculty members.
- **Data analysis and SPSS:** A workshop on data analysis and SPSS was also conducted by the IQAC to enhance the process of data analysis as a keen step towards research for the various students involved in ongoing research activities
- **Women empowerment and human rights:** To increase the awareness & welfare of women in the campus the Department of law conducted a seminar on women empowerment and human rights as per the instruction from IQAC.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

| Plan of Action | Achievements |
|--|--|
| <ul style="list-style-type: none"> ➤ Course attributes to be well defined. ➤ UG, PG courses to be interlinked with Diploma & Certificate courses. ➤ CBCS still to be adopted for academic flexibility. ➤ Learning Objectives and outcomes to be incorporated in the syllabi. | <ul style="list-style-type: none"> ➤ Course attributes incorporated in all the University courses in a well-defined manner and achieved. ➤ New certificate courses introduced & interlinked successfully. ➤ Flexibility of courses are in core and elective form and implementation of CBCS is in process but yet not achieved. ➤ Learning objectives and outcomes are successfully incorporated in all the syllabi with proper need-based |

| | |
|---|--|
| <ul style="list-style-type: none"> ➤ Demand ratio of UG courses to be increased. ➤ More no. of remedial classes for slow learners with formal mechanism to be conducted. ➤ Few more facilities to be made available for the differently able students. ➤ To increase the proportion of faculties with Ph.D. Degree. ➤ The awards & recognitions by National and International bodies among faculty to be increased. ➤ To have more participation in Shodhganga. ➤ To make NSS as well as NCC to be in place. ➤ More staff development programmes need to be conducted. ➤ Providing suitable campus placement and strengthening the training and placement cell. ➤ Hostel facility for female students to be increased. ➤ Canteen facility needs to be expanded and modernized. ➤ Health insurance for staff to be introduced. ➤ Day care centre/play schools to be opened in the campus. ➤ Collaborations with institutions of national and international repute to be enhanced and increased. ➤ More value based and holistic courses to be included in the existing curriculum. ➤ Consultancy on new innovative techniques to be provided. ➤ Faculties to be encouraged to take up new projects of research and innovation. ➤ Selection of faculty to comply with UGC norms. ➤ Parking facility to be improved. ➤ University to seek Reaccreditation for A+. ➤ Spreading Innovative research culture and increase patent filing. ➤ To increase the number of interdepartmental interdisciplinary and certificate course. ➤ Academic audit to be done frequently. | <p>requirement of local regional/national and global level along with the UNDP goals.</p> <ul style="list-style-type: none"> ➤ Achieved the massive increase in the demand ratio of both UG and PG courses of the University. ➤ There is a successful rise in the number of remedial classes for the slow learners in both UG and PG programmes. ➤ Facilities have been made available some more ramps and lifts constructed. ➤ Number of faculty with Ph.D. degree increased several recruited and some encouraged for upgradation of qualification with Ph.D. degree. ➤ Faculties are encouraged but yet not achieved during 2017-18 June. Faculties got awarded between July 2018-Dec 2018 & achieved the national and International recognitions. ➤ Shodhganga participation increased and achieved. ➤ Both NSS & NCC are in place and made active successfully. ➤ Several FDP organised & various staff development programmes conducted for both teaching and non-teaching. ➤ A suitable number of campus drive organised by various companies of repute and numerous students placed in both on and off campus successfully. ➤ Girl's hostel constructed in the campus with adequate facilities and many other facilities with suitable required safety is also being provided. ➤ Canteen mess facility improved and a new cafeteria running in the campus with all modern facilities as per the existing requirements. ➤ ESIC for staff available ➤ Under process. ➤ Under process. ➤ Under process. ➤ Under process. ➤ Achieved a good consultancy with several new and innovative techniques. ➤ Under process. ➤ Achieved and good faculty selection going on. ➤ Achieved and improved the parking facility for both 2 wheelers and 4 wheelers as well as separately for bicycles. ➤ SSR committee formed 50% received according to schedule. ➤ Research culture improved and developed but Patent Filing yet not achieved. ➤ Several certificate courses added & introduced. ➤ Audit Completed & audit report prepared as well as |
|---|--|

| | |
|---|--|
| <ul style="list-style-type: none"> ➤ Green campus initiative and clean campus to be taken. ➤ Increase of Research Activities, MoU's & industry linkages. ➤ To organize National & International level workshop/Seminar/conferences more frequently. ➤ Promoting lecture series. ➤ To introduce Innovative Methods in Teaching-Learning in the Institution. ➤ To enhance and increase the Infrastructure facilities for Research. ➤ To execute various SOPs and Policies. | <ul style="list-style-type: none"> executed. ➤ Green and Clean campus activities performed ➤ Core research group (CRG) has been formed and funded by the Administration to empower it and MoU's increased. ➤ All the departments have autonomously conducting conferences/symposia/seminar/workshop in national, institutional and state level & trying to organize also at the international level. ➤ Various experts visited the campus and delivered their lecture on respective topics as per the lecture series. ➤ Experiential learning and participatory learning with the use of learning through the environment has been implemented and achieved in every department. ➤ The laboratories have been enriched with modern laboratory equipment for further advanced Research. ➤ All the policies & SOPs have been executed. |
|---|--|

** Attach the Academic Calendar of the year as Annexure.*

2.16 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

Provide the details of the action taken

The AQAR was placed in the BoM of the University and BoM approved the Report and instructed IQAC coordinator to upload the same within the time limit

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

| Level of the Programme | Number of existing Programmes | Number of programmes added during the year | Number of self-financing programmes | No. of value added/career oriented programmes |
|------------------------|-------------------------------|--|-------------------------------------|---|
| PhD | 27 | 03 | All programmes are self-financing | 104 |
| M.Phil | 23 | 01 | | |
| PG | 29 | 01 | | |
| UG | 24 | 00 | | |
| PG Diploma | 03 | - | | |
| Advanced Diploma | - | - | | |
| Diploma | 05 | - | | |
| Certificate | 05 | 05 | | |
| Others (Skill Courses) | 09 | 00 | | |
| Total | 125 | 10 | | |
| Interdisciplinary | 01 (BA.LL. B) | | - | - |
| Innovative | 06 | - | - | - |

1.2 (i) Flexibility of the Curriculum: Core/Elective option

(ii) Pattern of programmes:

| Pattern | Number of programmes |
|-----------|----------------------|
| Semester | All programs (UG/PG) |
| Trimester | Nil |
| Annual | Nil |

1.3 Feedback from stakeholders* Alumni Parents Employers Students
(On all aspects)

Mode of feedback : Online Manual Co-operating schools (for PEI)

**Please provide an analysis of the feedback in the Annexure*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

The Curriculum is modified with Program Objectives, Program Outcomes, Program Specific Objectives as well as Course Objectives and Course Outcomes along with local regional national & Global needs and ensuring employability factor and UNDP Goals.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

Yes (Department of Sociology and 3 centres)
 ➤ Centre for Science & Communication
 ➤ Centre for Art and Culture
 ➤ Centre for Renewable and Green Energy.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

| Total | Asst. Professors | Associate Professors | Professors | Others |
|-------|------------------|----------------------|------------|--------|
| 261 | 154 | 75 | 32 | |

2.2 No. of permanent faculty with Ph.D.

92

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

| Asst. Professors | | Associate Professors | | Professors | | Others | | Total | |
|------------------|---|----------------------|---|------------|---|--------|---|-------|---|
| R | V | R | V | R | V | R | V | R | V |
| 15 | 0 | 30 | 0 | 08 | 0 | - | - | 53 | 0 |

2.4 No. of Guest and Visiting faculty and Temporary faculty

78

25

06

2.5 Faculty participation in conferences and symposia:

| No. of Faculty | International level | National level | State level |
|--------------------|---------------------|----------------|-------------|
| Attended Seminars/ | 07 | 109 | 31 |
| Presented papers | 114 | 124 | 20 |
| Resource Persons | 06 | 10 | 18 |

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- ICT enabled practices in teaching cum learning by the students/ scholars and faculty members.
- Learning back by internet with certain base formats such as Internet of ALL, Internet of TEA etc. including Webinar, Virtual Lab etc. supported by NME-ICT.
- Excellent Wi-Fi connectivity for e-enabled learning using Google Classroom etc. in the classroom.
- Pair group teaching and learning by students/ scholars and faculty members.
- Facility of E-books and E-library for students to learn through ICT by techno savvy approach.
- Interactive teaching facility using various science working models & molecular modelling tools.
- Learning exposure to students /faculties/scholars through monthly seminar/ lectures/workshops/demos/colloquiums, Web Sourced program specific learning.
- Enhancement and enrichment of learning experience through mandatory assignments, seminar, PPT presentation, field & Project work in most of the Courses.
- Teaching learning using “NPTEL” conducted by IIT Bombay is made available to B. Tech/M. Tech students for soft skill development.
- Dissemination of latest knowledge through library and online subscribed books and journals.
- Social communication aids are used to work with community to help learn the students.
- Industrial visit & visit in rural areas to give them practical exposure to the challenges faced by the rural population.
- Academic competitive events such as quiz, debate, extempore, elocution, collage, Group Discussion (GD) etc. are organized for the students of every discipline.
- The technological resources with audio – video facilities and modern teaching aids are actively incorporated in the teaching – learning process of the university in each faculty
- Community Radio “Radio Raman 90.4” has been also used for better teaching and faculty lecture recording & broadcasting for the benefit of students.

2.7 Total No. of actual teaching days during this academic year 188

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple-Choice Questions)

1. Bar Coding
2. Double Valuation
3. Online MCQs

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop 261

2.10 Average percentage of attendance of students 77.12%

2.11 Course/Programme wise distribution of pass percentage:

| S.No. | Faculty | Course Name | Fail | 2 nd Division | 1 st Division | Grand Total | % |
|-------|---------|-----------------|------|--------------------------|--------------------------|-------------|-------|
| 1 | ARTS | BA-III | 28 | 13 | 16 | 57 | 50.88 |
| 2 | ARTS | BLIB | 4 | 5 | 16 | 25 | 84 |
| 3 | ARTS | MA(ECO)-II Yrs | 1 | | 3 | 4 | 75 |
| 4 | ARTS | MA(ENG)-II Yrs | 1 | 9 | 15 | 25 | 96 |
| 5 | ARTS | MA(GEO)-II Yrs | | | 22 | 22 | 100 |
| 6 | ARTS | MA(HIN)-II Yrs | | | 4 | 4 | 100 |
| 7 | ARTS | MA(POLI)-II Yrs | | | 3 | 3 | 100 |
| 8 | ARTS | MA(SAN)-II Yrs | | 2 | 9 | 11 | 100 |
| 9 | ARTS | MLIB | 1 | 5 | 23 | 29 | 96.55 |
| 10 | ARTS | MSW-2 YRS | | 2 | 20 | 22 | 100 |
| 11 | COM | BCOM-III YRS | 11 | 22 | 23 | 56 | 80.36 |
| 12 | COM | MCOM-II | 2 | | 10 | 12 | 83.33 |
| 13 | EDU | MPES | 5 | | 12 | 17 | 70.59 |
| 14 | EDU | BED | 11 | 1 | 53 | 65 | 83.08 |
| 15 | EDU | MED | | 0 | 7 | 7 | 100 |
| 16 | ENGG | BE(CS) | 1 | 3 | 6 | 10 | 90 |
| 17 | ENGG | BE(EI) | 4 | 3 | 11 | 18 | 77.78 |
| 18 | ENGG | BE(EEE) | | 0 | 7 | 7 | 100 |
| 19 | ENGG | BE(MECH) | 8 | 3 | 21 | 32 | 75 |
| 20 | ENGG | BE(CIVIL) | 10 | 15 | 21 | 46 | 78.26 |
| 21 | ENGG | MTECH(CS) | 1 | 0 | 9 | 10 | 90 |
| 22 | ENGG | MTECH(DC) | | 0 | 2 | 2 | 100 |
| 23 | ENGG | MTECH(PE) | 9 | 0 | 1 | 10 | 10 |
| 24 | ENGG | MTECH(PS) | 2 | 0 | 5 | 7 | 71.43 |
| 25 | ENGG | MTECH(VLSI) | 1 | 0 | 3 | 4 | 75 |

| S.No. | Faculty | Course Name | Fail | 2 nd Division | 1 st Division | Grand Total | % |
|-------|---------|-------------------------------------|------|--------------------------|--------------------------|-------------|-------|
| 26 | IT | BCA-III | 32 | 7 | 62 | 101 | 68.32 |
| 27 | LAW | BALLB | 1 | 3 | 6 | 10 | 90 |
| 28 | LAW | LLB-III YRS | 5 | 26 | 8 | 39 | 87.18 |
| 29 | MGT | BBA-III | 5 | 16 | 16 | 37 | 86.49 |
| 30 | MGT | MBA-II | 14 | 1 | 31 | 46 | 69.57 |
| 31 | MPHIL | MPHIL(BOTANY) | | 2 | 6 | 8 | 100 |
| 32 | MPHIL | MPHIL(CHE-AEC) | | | 5 | 5 | 100 |
| 33 | MPHIL | MPHIL(CHE-IN) | | | 4 | 4 | 100 |
| 34 | MPHIL | MPHIL(CHE-OR) | | | 7 | 7 | 100 |
| 35 | MPHIL | MPHIL(CHE-PHY) | | | 3 | 3 | 100 |
| 36 | MPHIL | MPHIL(COMMERCE) | | | 21 | 21 | 100 |
| 37 | MPHIL | MPHIL(CS) | | | 3 | 3 | 100 |
| 38 | MPHIL | MPHIL(ECONOMICS) | | | 6 | 6 | 100 |
| 39 | MPHIL | MPHIL(EDUCATION) | | | 10 | 10 | 100 |
| 40 | MPHIL | MPHIL(ENGLISH) | | 1 | 10 | 11 | 100 |
| 41 | MPHIL | MPHIL(GEOGRAPHY) | | | 6 | 6 | 100 |
| 42 | MPHIL | MPHIL(HINDI) | | | 11 | 11 | 100 |
| 43 | MPHIL | MPHIL(HISTORY) | | | 3 | 3 | 100 |
| 44 | MPHIL | MPHIL(IT) | | | 4 | 4 | 100 |
| 45 | MPHIL | MPHIL(LAW) | | | 2 | 2 | 100 |
| 46 | MPHIL | MPHIL(LIBR) | | | 3 | 3 | 100 |
| 47 | MPHIL | MPHIL(MANAGEMENT) | | | 3 | 3 | 100 |
| 48 | MPHIL | MPHIL(MATHS) | | | 6 | 6 | 100 |
| 49 | MPHIL | MPHIL(PHYSICAL EDUCATION) | | | 16 | 16 | 100 |
| 50 | MPHIL | MPHIL(PHYSICS) | | | 2 | 2 | 100 |
| 51 | MPHIL | MPHIL(P-SCI) | | | 5 | 5 | 100 |
| 52 | MPHIL | MPHIL(SANSKRIT) | | | 5 | 5 | 100 |
| 53 | MPHIL | MPHIL(SOCI-WORK) | | | 6 | 6 | 100 |
| 54 | MPHIL | MPHIL(ZOOLOGY) | | 1 | 11 | 12 | 100 |
| 55 | SCIENCE | BSC(BIO)-III Yrs | 42 | 39 | 14 | 95 | 55.79 |
| 56 | SCIENCE | BSC(BIOTECHNOLOGY)-III Yrs | 3 | 8 | 25 | 36 | 91.67 |
| 57 | SCIENCE | BSC(COMPUTER SCIENCE)-III Yrs | 8 | 4 | 5 | 17 | 52.94 |
| 58 | SCIENCE | BSC(HONOURS)(BOT,ZOO,CHE)-III Yrs | | 4 | 2 | 6 | 100 |
| 59 | SCIENCE | BSC(HONOURS)(PHY,CHE,MATHS)-III Yrs | 6 | 1 | 3 | 10 | 40 |
| 60 | SCIENCE | BSC(MATHS)-III Yrs | 11 | 13 | 6 | 30 | 63.33 |
| 61 | SCIENCE | BSC(MICROBIOLOGY)-III Yrs | 11 | 10 | 8 | 29 | 62.07 |
| 62 | SCIENCE | MSC(BIO-TECH)-II Yrs | 2 | | 10 | 12 | 83.33 |
| 63 | SCIENCE | MSC(BOTANY)-II Yrs | 1 | 1 | 16 | 18 | 94.44 |
| 64 | SCIENCE | MSC(CHE)-II Yrs | 15 | 19 | 41 | 75 | 80 |
| 65 | SCIENCE | MSC(IT)-II | 9 | | 19 | 28 | 67.86 |

| S.No. | Faculty | Course Name | Fail | 2 nd Division | 1 st Division | Grand Total | % |
|-------|---------|---------------------------|------|--------------------------|--------------------------|-------------|-------|
| 66 | SCIENCE | MSC(MATHS)-II Yrs | 5 | 3 | 8 | 16 | 68.75 |
| 67 | SCIENCE | MSC(MICRO-BIOLOGY)-II Yrs | 1 | 1 | 2 | 4 | 75 |
| 68 | SCIENCE | MSC(PHYSICS)-II Yrs | 3 | 8 | 29 | 40 | 92.5 |
| 69 | SCIENCE | MSC(ZOOLOGY)-II Yrs | 5 | 13 | 40 | 58 | 91.38 |

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

| |
|---|
| <ul style="list-style-type: none"> ➤ Providing model guidelines on best and innovative practices. ➤ Academic audit and feedback at regular intervals systematically. ➤ Implementation of motivational exercise in the teaching learning process through various lecture series ➤ Enriched the dynamic component introduced in the syllabi. ➤ Conduction of gradual meetings, seminars, power point presentations with the students and faculty members to widen, deepen heighten and sharpen the intellect along with the awareness. ➤ Proper monitoring of the Time Table, Tutorial schedule and the systematic teaching daily diary verification. ➤ Systematic result analysis and feedback analysis is done by the IQAC and quick action is taken when any deviation is identified. |
|---|

2.13 Initiatives undertaken towards faculty development

| <i>Faculty / Staff Development Programmes</i> | <i>Number of faculty benefitted</i> |
|--|-------------------------------------|
| Refresher courses | 03 |
| UGC – Faculty Improvement Programme | 05 |
| HRD programmes | 12 |
| Orientation programmes | 02 |
| Faculty exchange programme | 02 |
| Staff training conducted by the university | 150 |
| Staff training conducted by other institutions | 02 |
| Summer / Winter schools, Workshops, etc. | 16 |
| Others | |

2.14 Details of Administrative and Technical staff

| Category | Number of Permanent Employees | Number of Vacant Positions | Number of permanent positions filled during the Year | Number of positions filled temporarily |
|----------------------|-------------------------------|----------------------------|--|--|
| Administrative Staff | 198 | 05 | 20 | 3 |
| Technical Staff | 50 | 00 | - | - |

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- IQAC has implemented a Financial Reward Scheme for the publication of Research Papers in various quality journals for the faculty members towards their academic & research excellence and welfare.
- Orienting and motivating the members of the staff for applying for projects with external funding agencies of all types.
- Quality research is given a thrust with measures like quality publication, orientation in writing research papers, workshops on qualitative and quantitative research methodologies etc.
- Motivating the faculty members for achieving awards involving reputed research and also inviting reputed Research Scientists and Experts from relevant disciplines for research upgradation.
- IQAC sensitized the faculty members and the departments to remain more committed in terms of Research/Patents/Publication/Research awards & Rewards.
- IQAC encouraged the faculty members to apply for extra-mural funded research projects as well as to generate their own sources from the departments and other private bodies for funding the research ideas.
- IQAC has taken the initiative for promoting the research activity among the student and faculty by conducting the regular workshop on topics like research methodology, tools for research in new areas and also organized a workshop on SPSS.
- Conduct regular meetings to discuss on technology and project/ product initiative and solution.
- The IQAC of the institution also encouraged the staff members to undertake major and minor research project and to organize seminar, workshop and conferences.
- The university had established research labs for various departments with latest equipments and testing tools for example Chemistry Lab, Advance Environmental Labs.

3.2 Details regarding major projects - NA

3.3 Details regarding minor projects - NA

3.4 Details on research publications

| | International | National | Others |
|--------------------------|---------------|----------|--------|
| Peer Review Journals | 48 | 50 | - |
| Non-Peer Review Journals | - | - | - |
| e-Journals | - | 06 | - |
| Conference proceedings | - | 40 | - |

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

| Nature of the Project | Duration Year | Name of the funding Agency | Total grant sanctioned | Received |
|--|---------------|----------------------------|------------------------|-----------------|
| Major projects | | | | |
| Minor Projects | | | | |
| Interdisciplinary Projects | 2017-18 | CVRU | 50000/- | 50000/- |
| Industry sponsored | 2017-18 | BHARTI AIRTEL | 84000/- | 84000/- |
| Projects sponsored by the University/ College | 2017-18 | University (CVRU) | 200000/- | 200000/- |
| Students research projects <i>(other than compulsory by the University)</i> | 2017-18 | University (CVRU) | 250000/- | 250000/- |
| Any other(Specify) | | | | |
| Total | | | 584000/- | 584000/- |

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving – Not Applicable

3.9 For colleges – Not Applicable

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

| Level | International | National | State | University | College |
|---------------------|---------------|----------|-------|------------|---------|
| Number | | 10 | 04 | 04 | |
| Sponsoring agencies | | SPMS | | | |

3.12 No. of faculty served as experts, chairpersons or resource persons

International National Any other

3.13 No. of collaborations

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

| | | | |
|---------------------|----------|---------------------------------------|----------|
| From funding agency | 5 Lakh | From Management of University/College | 100 Lakh |
| Total | 105 Lakh | | |

3.16 No. of patents received this year

| Type of Patent | | Number |
|----------------|---------|--------|
| National | Applied | - |
| | Granted | - |
| International | Applied | - |
| | Granted | - |
| Commercialised | Applied | - |
| | Granted | - |

3.17 No. of research awards/ recognitions received by faculty and research fellows
Of the institute in the year

| Total | International | National | State | University | Dist | College |
|-------|---------------|----------|-------|------------|------|---------|
| - | - | - | 04 | 18 | - | - |

3.18 No. of faculty from the Institution
who are Ph. D. Guides
and students registered under them

75

242

3.19 No. of Ph.D. awarded by faculty from the Institution

7

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level
National level International level

3.22 No. Of students participated in NCC events:

Not Applicable

3.23 No. of Awards won in NSS:

University level State level
National level International level

3.24 No. of Awards won in NCC:

NA

3.25 No. of Extension activities organized

| | | | | | |
|------------------|----|---------------|----|-----------|---|
| University forum | 11 | College forum | NA | | |
| NCC | - | NSS | 08 | Any other | - |

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- World youth skill day was organized to motivate & inspire the skilled youth within the University Campus on 15TH of July 2017.
- Plantation in the campus was done to make the campus Green and Fulfil the Moto of “Green campus initiative” on 22ND July 2017.
- The center for science communication of CVRU inaugurated the ceremony for the promotion of Vigyan Bharti (Vijanan Bharti) in the campus on 10TH August 2017.
- The ECHO CLUB of the University organized a special lecture on “Medicinal Plants” on 23RD August 2017 to spread the awareness regarding significance of plants in the campus.
- National sports day was celebrated on 29TH August 2017.
- Hindi Diwas was celebrated on 29TH of August 2017 to incorporate the importance of Hindi language in our daily life and academia being an Indian Citizen.
- Engineer’s day was celebrated on 15TH Sept. 2017 to mark the contribution of Engineers in the society.
- One day health Awareness Program was conducted on 23RD Sept. 2017 on the topic entitled “Primary Medicine in Emergency” in association with Apollo Hospital, Bilaspur, as an Institutional Social Responsibility.
- One day awareness programme on “Women Empowerment & Traffic rules” was conducted by the University on 25TH of Sept 2017.
- The University organized a special lecture on 5TH Oct 2017 on “AAJ KA BHARAT: Yuva Swapn”.
- One day Guest Lecture was organized on 6TH of Oct 2017 importance of regarding science & technology in our daily life.
- Two days workshop was organized by the Department of Biotechnology on 11&12 Oct 2017, in the topic “Molecular Techniques” in which the keynote speaker was from AIIMS, New Delhi.
- On the occasion of Birth Anniversary of Sardar Vallabh Bhai Patel, CVRU organized “EKTA DAUD” on 31ST Oct 2017.
- The University celebrated the Birth Anniversary of Dr. C.V. Raman on 7TH Nov 2017 and organized a “Science Exhibition” on the very occasion.
- The University Participated in the AIU- Central zone Youth Festival from 3RD- 7TH Nov 2017 entitled “NAVOMESH”-2017” at AISECT UNIVERSITY, Bhopal and 2ND Prize.
- The University also participated in AIU ANVESHAN-2017 from 3RD-7TH Nov 2017, in the Ravenshaw University, Cuttack for the Research Project of the students & won the 2ND prize.
- CVRU organized an Awareness program on 26TH & 27TH of Nov 2017, on the occasion of “Samvidhan Diwas” as directed by UGC.
- The University also celebrated the Rajbhasha Diwas on 28TH Nov 2017 to mark the repute of Rajbhasha in the campus.
- The University also conducted a Talent Search Examination on 17TH of Dec 2017, to enhance and upgrade the skill and hidden talent among the school students

- Two days workshop on Microsoft Faculty Empowerment Program-“SAKSHAM” teaching with Technology was organized on 29-30 Dec 2017.
- The CVRU- IQAC & CVRU Faculty Development Cell organized a 7 days FDP on the topic “Empowering Academic Skills & Research” from 8TH -13TH Jan 2018.
- Swami Vivekanand Jayanti was celebrated on 12TH Jan 2018 as a Youth Day.
- The University organized science exhibition for the school students at Bilaspur in the Rashtriya Udyog Mela from 12TH-16TH January 2018.
- The University organized by the department of Geography on “Sansadhan evam Pradeshik Vikas” in association with Chhattisgarh Bhugol Parishad on 22ND & 23RD January 2018.
- CVRU organized annual sports meet from 24TH-27TH January 2018.
- A 1 week (7 Days) NSS Camp was organized in the Govt. Primary School in Gram-Beeja, Block: Takhatpur from 4TH to 10TH Feb 2018.
- Science day celebration was celebrated by Faculty of Science on 28TH Feb. 2018.
- Health Awareness & legal Awareness programme was organized on the occasion of International Women’s day on 8TH of March 2018.
- Two days National Conference was organized by the department of Chemistry in association with Society for Promotion of Material Science on 9TH -10TH March 2018 in the Topic “Advancement & Globalization of Chemical Sciences for Man, Material & Environment”
- A programme on Art of Living Camp was conducted on 12TH March 2018.
- A 6 Days Art of Living camp was organized in the University from 13TH -18TH March 2018.
- “Snake Conservation & Awareness Programme” was held on the occasion of International Forest Day” on 21ST March 2018.
- One day Guest Lecture was organized by the Department of Mechanical Engineering on “Emerging Technology in Mechanical & Instrumentation” by Prof. Venkat Desai (IIT Chennai) on 31ST March 2018.
- The Department of English organized a Personality Grooming Programme through a play entitled “Romeo Juliet” written by William Shakespeare in collaboration with SKD Art & Films Academy to enhance the dramatic skill among the students on 6TH April 2018.
- The Department of Library & Information science organized one day workshop on “Training & Awareness for E- journals & E- Literatures” on 7TH April 2018.
- One day workshop organized by the Department of Political Science on the topic “Research Methodology: Generating the Research Idea” on 20TH April 2018.
- A two days workshop was organized by the Department of Physical Education at National Level on the topic “Upgrading the AKFI & State officials” on 14TH & 15TH June 2018.
- The C.V.Raman centre for Science & Communication of the University organized the Environmental awareness program on the occasion of “World Environment Day” on 5TH of June 2018 in association with Chhattisgarh Science Centre.
- The University organized Mega Job Fair in the Campus with top 20 Companies on 19TH & 20TH of June 2018.
- The University Celebrated International Yoga Day (4TH) in the Campus on 21ST of June, 2018.

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

| Facilities | Existing | Newly added | Source of Fund | Total |
|---|--------------|--------------|----------------|---------|
| Campus area | 48.15(acres) | 11.78(acres) | University | 59.93 |
| Class rooms | 80 | 08 | University | 88 |
| Laboratories | 55 | 05 | University | 60 |
| Seminar Halls | 3 | 5 | University | 8 |
| No. of important equipments purchased (\geq 1-0 lakh) during the current year. | - | 15 | University | - |
| Value of the equipment purchased during the year (Rs. in Lakhs) | - | 1538000 | University | 1538000 |
| Others | | | University | |

4.2 Computerization of administration and library

| |
|--|
| <ul style="list-style-type: none"> • Computerization of administration involves the following features: <ul style="list-style-type: none"> ➤ Biometric attendance system for faculty. ➤ Academic Management Information System for Fee Collection, Hostel Management, Examination. ➤ Data recovery across Campuses. ➤ Reports and statistical analysis of student progression. ➤ Credit based examination. • Computerization of Library involves the following features: <ul style="list-style-type: none"> ➤ Institutional E-mail Id for every Faculty member for Institutional Affiliation and creation of Google Scholar profile. ➤ Plagiarism Check Tool. ➤ Digital e- library with the facility of e-books and e- journals. |
|--|

4.3 Library services:

| | Existing | | Newly added | | Total | |
|------------------|----------|------------|-------------|---------|--------|-------------|
| | No. | Value | No. | Value | No. | Value(Rs/-) |
| Text Books | 36035 | 11,016,491 | 3719 | 1530811 | 39754 | 12547302 |
| Reference Books | 12102 | 4,104,132 | 1651 | 891790 | 13,753 | 4995922 |
| e-Books | 1613 | | | | 1613 | |
| Journals | 86 | | | | 86 | |
| e-Journals | 10588 | | | | 10588 | |
| Digital Database | 1000 | | | | 1000 | |
| CD & Video | 698 | | | | 698 | |
| Others (specify) | 379 | 71,929 | | | 379 | 71,929 |

4.4 Technology up gradation (overall)

| | Total Computers | Computer Labs | Internet | Browsing Centres | Computer Centres | Office | Departments | Others |
|----------|-----------------|---------------|--|------------------|------------------|------------|-------------|--------|
| Existing | 550 | 10 | 510 Mbps (Available on all working systems) | - | - | ICT | - | - |
| Added | 155 | 00 | | | | | | |
| Total | 705 | 10 | | | | | | |

4.5 Computer, Internet access, training to teachers and students and any other programme for technology up gradation (Networking, e-Governance etc.)

- Microsoft Training Program for empowering Teaching and Non Teaching Staff members (both) “SAKSHAM Teaching with Technology” on 29-30 Dec 2017.
- Spoken Tutorial Training Program conducted.
- The university campus has been digitally integrated through optical fibre and all academic, Research, Service and Administrative sections are digitally interconnected.
- Wi-Fi facility is available throughout the campus for easy access to internet helpful both for teachers and students.
- Internet Service has been upgraded by adding 10 Mbps high speed internet lease line.
- CCTV Network all over the campus.

4.6 Amount spent on maintenance in lakhs :

| | |
|--|--------------------|
| i) ICT | 24,00,528 |
| ii) Campus Infrastructure and facilities | 62,76,165 |
| iii) Equipments | 50,23,804 |
| iv) Others | 2,16,548 |
| Total : | 1,39,24,157 |

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

The student mentoring and support occupies a central position in the university's overall provisions. IQAC has developed a system of student support and mentoring consisting of many activities workouts and preparations.

The primary features of this system are mentioned below:

- Fresher Induction orientation Motivation training
- Periodic and department wise communication capability building
- Placement training and guidance
- Multiskilling of students through various coaching/training volunteer services.
- Providing learning guidelines to the students.
- Providing financial guidelines and exam scheme guidance.
- Monitoring the anti-ragging cell for the ragging free campus.
- Making provision for the alumni association, Alumni network building offline & online.
- Providing facility of remedial classes.
- Developing organizational abilities and leadership skills.
- Focusing on research thrust areas and building up research capabilities among the students by introducing research component in their courses.
- Developing service personality, socialization and ethical character among students.
- Producing self-ability with high morals, values and ethics.
- Introducing and accommodation skilled based knowledge through skill orientated courses, value added courses and enrichment courses for student enrichment.
- Introducing competency building programs.
- Promoting personality development and improving language skill and communication skill.
- Improving physical fitness and promoting gymnasium facilities and sports activities as well as yoga in their regular routine schedule of the students.
- Facilitating proper healthcare and first aid to all the students.
- Enhancing cultural events, music and youth festivals to develop socio-economic understanding and culture among the students.
- Planning of educational tours, study tours and industrial visits for the students.
- Various types of support services like coaching/competitive exam training & Volunteer services free of cost.

5.2 Efforts made by the institution for tracking the progression

- Mentor level and department level monitoring for participation and performance in studies and extra-curricular activities
- Initiating gender equality program.
- Academic audit and consequent interaction with the departments.
- Campus tranquility > students' feedback > peer

5.3 (a) Total Number of students

| UG | | PG | | Ph.D. | | Others | | Grand Total | |
|-------------|--------|-------------|--------|------------|--------|-------------|--------|-------------|--------|
| Male | Female | Male | Female | Male | Female | Male | Female | Male | Female |
| 1707 | 1171 | 796 | 551 | 123 | 119 | 759 | 446 | 3385 | 2287 |
| 2878 | | 1347 | | 242 | | 1205 | | 5672 | |

(b) No. of students outside the state

407

(c) No. of international students

(d)

| Last Year | | | | | | This Year | | | | | | | | | | | |
|-----------|-----|-----|------|-----------------------|-------|-----------|-----|-----|-----|-----|-----|------|-----|------------------------|---|-------|------|
| General | SC | ST | OBC | Physically Challenged | Total | General | | SC | | ST | | OBC | | Physical ly Challenged | | Total | |
| | | | | | | M | F | M | F | M | F | M | F | M | F | M | F |
| 3560 | 754 | 548 | 1800 | | 6662 | 1456 | 942 | 491 | 384 | 260 | 213 | 1178 | 748 | | | 3385 | 2287 |

(e)

| | |
|--------------|-------|
| | |
| Demand Ratio | 1.72% |
| % Drop Out | ≤1% |

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- The university provides coaching scheme for all the under graduate students to prepare for the state services examination and also has established Pre-Examination Coaching classes for the students in which the purpose is to prepare them to take up various competitive exams like NET/SET/GATE etc. The Hon'ble vice-chancellor has approved the composition of members in the committee.
- For the development of better skill among the students of CVRU and to enhance the skilled manpower, the University has already introduced skill development course, value added course and enrichment course in a systematic manner for the students of UG & PG regarding the spoken English and computer contingency etc. compulsorily in all disciplines.
- Communicative skills training programs as well as Personality Development (PD) classes to improve the interview skills of the students.

No. of students beneficiaries

550

5.5 No. of students qualified in these examinations

| | | | | | | | |
|-------------|----|-----------|----|------|---|--------|----|
| NET | 04 | SET/SLET | 02 | GATE | 5 | CAT | |
| IAS/IPS etc | 1 | State PSC | 15 | UPSC | | Others | 11 |

5.6 Details of student counselling and career guidance

- Counseling & Career guidance is provided through mentors.
- Workshops and orientation programs are conducted to PGs where in the issue of setting up a good practice dynamic to enhance the skills, rural practice are addressed.
- Counseling on character building & Graduate Attributes.
- Counseling & departmental level Guidance in career opportunities for the needy students & their parents.

No. of students benefitted

2500

5.7 Details of campus placement

| <i>On campus</i> | | | <i>Off Campus</i> |
|---------------------------------|---------------------------------|---------------------------|---------------------------|
| Number of Organizations Visited | Number of Students Participated | Number of Students Placed | Number of Students Placed |
| 17 | 1050 | 214 | 63 |

5.8 Details of gender sensitization programmes

To promote and enhance a gender sensitive environment as an essential function of the university's gender sensitization system, the University has set up a women grievance cell to redress the grievances related to the gender and sexual harassment at the work place:

(i) Conducting gender related programs:

- Organizing programs on women empowerment.
- Arranging for sensitization activities through discussions, film screens, posters etc.
- Organizing various competitions such as Rangoli, paintings and drawing on a specific theme "Save Girls"/ Literacy for Girls etc.
- Preparing students for gender awareness programs and activities.

(ii) Establishing a cell and mechanism to deal with issues related to sexual harassment etc.

(iii) A "Women Grievance Cell" is set up by the university to deal with all the issues related to sexual harassment and consists of a systematic mechanism.

(iv) Gender sensitization programmes are also conducted by the university in all departments

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

| | Number of students | Amount |
|--|--------------------|------------|
| Financial support from institution | 501 | 7339070/- |
| Financial support from government | 1361 | 13662735/- |
| Financial support from other sources | - | - |
| Number of students who received International/ National recognitions | - | - |

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

- Village linkage program with rural upliftment services =03
- Cultural facilitative events =01
- Rally for social causes =02
- Blood donation camp =01
- Rally for social cause=01

5.13 Major grievances of students (if any) redressed: _____NO_____

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision of the University

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 values of humanity conscious co-existence & achievement of excellence.

Mission of the University

Dr. C.V. Raman University is the University whose whole mission is to provide access and opportunity to students from all sectors of the country's diverse population as well as from other countries by providing quality education thereby improving the socio-economic status of the society. The Prime mission of CVRU is also to promote excellence in value-based education and skill-based teaching-learning.

6.2 Does the Institution has a management Information System

Website is informative with lot more links and updated scrolls:

The university has its own Management Information System which is semi-automated and based on the organisation structure of the university, the information are captured, structured & presented. The financial Aspects are dealt by MIS, the university website is informative with lot more links & updated scrolls.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

The University provides complete autonomy to the departments/faculties to revise or update existing curricula to incorporate latest knowledge development and even introduce new courses in tune with employment-based market needs.

The Curriculum is modified with:

- Program Objectives & Program Outcomes linked to graduate attributes.
- Course Objective & Course outcomes
- Updated by the concern of industries and other university expert.
- Student feedback, Peer feedback, faculty feedback on curriculum.
- The curricula prepared by the Departmental BOS with inputs from BOS Members, Mentors and feedbacks from relevant stake holders were submitted to the University.

The revised curricula were put forward in Academic Council and Board of Management for final approval.

6.3.2 Teaching and Learning

- ICT based teaching; ICT based class environment with added infrastructure and commitment is made available to students. Also, additional Upgraded audiovisual aids, large displays and projectors have been installed. E- library is used for e- books & e- journals.
- Teaching attendance and Lesson Plans are well maintained in TDD(Teachers Theory Teaching Daily Dairy)
- Student feedback on Teaching-Learning is obtained at regular intervals.
- Feedback on students' performance by teachers.
- Academic Calendar by the Departments are followed systematically.
- Concretization and Enrichment of learning experiences through mandatory assignments, seminar presentations, field and project work in more than 90% courses.
- Fostering the culture of knowledge acquisition through wider self exposure to latest knowledge through the library and on-line subscribed books and journals.
- Teachers are motivated to prepare their own video lectures.
- Continuous and systematic learning with relevant materials, web links with multimedia thrust is enhanced & promoted.
- Media inducted learning
- More practical based workshop initiatives
- Virtual initiatives, e-library for books etc.
- Hands on experience/self learning/e combined to form a multi pronged approach.
- Continuous and systematic learning with relevant materials and multimedia thrust.

6.3.3 Examination and Evaluation

- Holistic exposure and evaluation for both faculty and students/scholars
- Intensive continuous internal assessment.
- Time bound examination, declaration and publication of results.
- Probity of examination maintained.
- Feedback collected and acted upon.
- Streamlined central valuation.
- Quick execution of back log semester exam.

6.3.4 Research and Development

- Project culture Thrust is maintained.
- Incentives for publications are given to faculties as financial reward scheme for best journal publication of research.
- Seed money for starting projects are provided
- Research committee at institutional level to screen proposals
- Institutional ethics committee to guide in project preparation
- Sensitizing faculty through guest lectures and workshops
- Faculty are encouraged for scientific research, paper presentation and publication.

- Regular mandatory participation in Student Research Convention like ANVESHAN 2017 to inculcate and encourage the research attribute amongst undergraduate students.
- In All PG and Research level Program, Paper publication in International/National conference/Journal is mandatory for the award of degree.
- Mandatory publication in reputed and indexed journals for faculties/PG students/research scholars.
- Research reward scheme implemented for faculties with excellence in research publications/books/book chapters.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- **More books and periodical are added every year**
- **Enhancement of ICT in every department and administrative section.**

Central Library and department libraries are constantly equipped with latest arrivals. The increased hours accessibility to the Central Library with more than 3500 books and a number of journals, magazines, weeklies and news papers in different Language support to research are made available.

The Computer Lab and ICT facilities: University is providing ICT facilities through its the Computer Centre. The internet facility is available in all the departments and hostels. The Cyber Library is providing the much needed e-learning space to the university community. It has come up as an important landmark in the teaching-learning and research field of the University.

Extension of “special services” to the users of the all types in the University in a separate manner both for faculty and students by the procurement of social responsibility.

- ❖ Maintenance of computer system internet aided facilities.
- ❖ Resolved to easy subscription for e-journal and e-books.
- ❖ The CVRU Central Library incorporates its contribution in curriculum design & development of the institution by providing latest DelNet software that enables each students to access academic material through interactive animation, video and reference material. It contains 50,000 books, 5000 Titles, thousands of CDs, National & International Journals as well as digital technology with E-Library software & is also having a membership of various national & international bodies.
- ❖ Enhancement of the budget of the library.
- ❖ Current awareness service by display of the list of new arrivals.
- ❖ Easy availability of instant printing, scanning & Xerox facility.
- ❖ Promoting user friendly software.

The Physical Infrastructure: The University Has Various Academic Resources and Support System Like Scholarship, Hostel Accommodation, Health Service, Internet Service, Continuous Assessment, and many more.

It has recently also introduced with new support and facilities on- campus like :

- CVRU has become the first university in the state of Chhattisgarh to establish its own radio station. Radio Raman is being relayed on 90.4 (MHZ).
- One beautiful 50 seated cafeteria facilities in the campus call “NESCAFE”(CAFE CABANA) with awesome menu, and internet connection with fully air conditioned.

- We have housed separate facility for Ph.D and M.Phil. scholars with a conference hall which is equipped with video conferencing machine and other devices of ICT.
- Set up of ATM and associating with bank like BOI (Bank of India) for financial assistance to students.
- There is a Dispensary and medicine facilities.
- We have well equipped laboratories and separate Girls Common Room.
- There are many other facilities like Guest House, Moot Court etc.

6.3.6 Human Resource Management

- Motivating, inspiring, promoting & upgrading faculties for Refresher/ Orientation & Short term courses.
- ICT training and capacity building.
- Regular training program based on need in the form of faculty development programme, professional development programme, skill upgrading programme.
- Improvement & constant updation of technical and administrative skills.
- Improve the teaching skills by using better teaching tools.
- Impart training on soft skills and personality development.
- Improve the communication skills of faculty members.
- Inspiring & encouraging faculty members for participation in Conference, Seminar, Workshops etc. & publication of books/journals/ papers/ case study etc.
- Recognition for Dedicated long services.
- Career advancement scheme.
- Statistical package usage and monitoring continuous improvement.
- Motivation for overseas conference participation
- Staff monitoring through the use of online staff support service such as “Konnnect”

6.3.7 Faculty and Staff recruitment

- Done as per the need adopting the prescribed procedures and norms and a good recruitment of 80% achieved.

6.3.8 Industry Interaction / Collaboration

- Industry training facilities in the campus are incorporated to develop industry institute skill.
- Industry persons are incorporated & involved in BOS, IQAC, AC etc.
- CVRU-NSDC Academy, CVRU-PMKK etc. Are available in campus.
- Industry experts and professional experts are involved extensively in curriculum/extension.

6.3.9 Admission of Students

- University conducts entrance exams for its several courses and the research programmes such as M.Phil. and Ph.D. and other programmes entrance tests are based on the tests at national and state level such as (MBA, BE, M.Tech., B.Ed., etc.
- The entrance test is widely publicized in national dailies and on the University's web-site.
- Online information is made available regarding admission related matters.
- Transparency, flexibility and early completion of admission are affected.

6.4 Welfare schemes for

| | |
|--------------|--|
| Teaching | Staff quarters, wi-fi facility, transportation facilities free of cost, concession for the wards of teaching staff, concession for the further higher studies through university's UTD, health care and Gym facility free of cost, financial aids from the university for the staff members achieving research and teaching awards, also the university provides financial rewards to the teaching staff for the excellence in research publication under the "Research Reward Scheme of the University", Medicare (ESIC Scheme), PF, staff loans. |
| Non-teaching | Fee concession for further higher studies in the University's UTD, concession for the wards Non-Teaching staff, health care and Gym facility free of cost, transportation facility free. Career benefits and promotions given if qualifications and skill are suitable. Medicare (ESIC Scheme), PF, staff loans are also there. |
| Students | Education loan, scholarship, financial assistance for meritorious students and students of below poverty line, concession to the students if studying more than 2 from the same family. |

6.5 Total corpus fund generated

68,63,32,199/-

6.6 Whether annual financial audit has been done

 Yes No

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

| Audit Type | External | | Internal | |
|----------------|----------|-----------|----------|---|
| | Yes/No | Agency | Yes/No | Authority |
| Academic | Yes | Expertise | Yes | Internal, Sr. faculty, IQAC and External Experts. |
| Administrative | Yes | Local | Yes | Audit Team |

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes Yes No

For PG Programmes Yes No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

Reforming examinations to ensure reliability, validity and objectivity with transparency has been on the top agenda of the university for last 10 years. The University has a Standing Committee on Examination Reforms which meets periodically to review the examination system in its minutes details are as follows-

- Today the university follows semester system with continuous and comprehensive internal assessment as an integral part for the formative and summative evaluation and certification of student's performance.
- To ensure that all the stakeholders are aware of the evaluation processes Some of the important aspect of the evaluation process include:
 - ❖ Appointment of a panel of examiner including one examiner from abroad
 - ❖ Fixed time-frame for evaluation of thesis;
 - ❖ Strict monitoring and adherence of schedule of evaluation;
 - ❖ Specific parameters of evaluation;
 - ❖ Clear procedure of review and resubmission for evaluation of thesis; and
 - ❖ Ensuring un-ambiguity in the recommendations by examiners.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

Not Applicable

6.11 Activities and support from the Alumni Association

- IQAC representation.
- To guide the students for their career related issues.
- Support the university for placements.
- Donate resources and funds for the development.
- Motivation for Alumni contribution and curriculum inputs.

6.12 Activities and support from the Parent – Teacher Association

- Annual meets held
- Feedback obtained and used.
- Wards progression and information provided
- Extension programs are organized.
- There is constant interaction between counselors and parents which helps to provide timely support and encouragement to students in times of need.
- The faculty coordinators and other faculty members are consistently in touch with the parents for upgrading the academic growth of the students to their parents.
- Additionally, every department maintain tutor – guardian list.

6.13 Development programmes for support staff

Staff Development programmes (lectures/workshops/training programmes) are conducted regularly by the HR department or by individual departments. The training includes:

- Computer awareness programme & Training by Microsoft
- Audio-visual aids being provided for the supporting staff.
- New laboratory practices & capability building programmes provided.
- Spirituality, yoga, and meditation skill are given
- Fire and safety measurements are given
- Motivating them to enrich their academic achievements (there are number of staff moving on to MTech, MBA & even PhD programmes)
- Development programmes, workshops, conferences, symposia etc., are conducted for their skill enhancement.
- Some of the courses offered to students are also opened out to non-teaching staff
- Live demos are conducted by the industry representatives to make staff aware about the products supplied to the laboratory.
- Career benefits given if qualification and skills are adequate.

6.14 Initiatives taken by the institution to make the campus eco-friendly

- Parks and medicinal gardens are well maintained in the campus along with ornamental and medicinal plants.
- Biodiversity is cared for with efforts for diversification of flora and fauna.
- Campus strived for plastic free and tobacco free for which initiatives taken by the university.
- Rapid and consistent use of bicycles to make the campus pollution free.
- Efforts put forth for energy conservation by the use of LED steps taken for water harvesting in the campus.
- E-waste management introduced and incorporated in the campus as the is a potential reduction in the e-waste has been observed.
- Moved towards paperless/low paper office.
- Usage of solar energy as a significant energy saving practice.

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- Stepped initiatives to take the Education and learning through LTP (Lecture, Tutorial& Practical) into more ICT tinged and need based.
- University initiated its thoughts on developing graduate attributes and designed the same consequently.
- Deliberation and inputs for designing the New education police this year which created an awareness amongst all stakeholders on the New Education Policy.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

| Plan & Actions at the beginning of the year | Implementation |
|---|---|
| <ul style="list-style-type: none"> ➤ University to seek Reaccreditation for A+. ➤ Spreading Innovative research culture and increase patent filing. ➤ To increase the number of interdepartmental interdisciplinary and certificate course. ➤ Academic audit to be done frequently. ➤ Green campus initiative and clean campus to be taken. ➤ Increase of Research Activities. ➤ To organize National & International level workshop/Seminar. ➤ Promoting lecture series. ➤ To introduce Innovative Methods in Teaching-Learning in the Institution. ➤ To enhance and increase the Infrastructure facilities for Research. ➤ To execute various SOPs and Policies. | <ul style="list-style-type: none"> ➤ SSR committee formed 50% received according to schedule. ➤ Research culture improved and developed but Patent Filing yet not achieved. ➤ Several certificate courses added ➤ Audit Completed. ➤ Green and Clean campus activities performed ➤ Core research group (CRG) has been formed and funded by the Administration to empower it. ➤ All the departments are autonomously conducting conferences/symposia/seminar/workshop in national, institutional and state level. ➤ Various experts visited the campus and delivered their lecture on respective topics. ➤ Experiential learning and participatory learning with the use of learning through the environment has been implemented and achieved in every department. ➤ The laboratories have been enriched with modern laboratory equipment for further advanced Research. ➤ All the policies & SOPs have been executed. |

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

- Academic audit with threshold and triumphant levels of achievements.
- Efficient use of in-campus community radio “Radio Raman” 90.4 to upgrade and achieve the academic excellence by the use of significant faculty audio-lectures recorded and transmitted to the various classrooms for the students and also broadcasting the learning materials and health awareness information to the near by rural areas for the social benefits.

7.4 Contribution to environmental awareness / protection

- Plantation in the campus was done to make the campus Green and Fulfil the Moto of “Green campus initiative” on 22ND July 2017.
- The ECHO CLUB of the University organized a special lecture on “Medicinal Plants” on 23RD August 2017 to spread the awareness regarding significance of plants in the campus.
- Two days National Conference was organized by the department of Chemistry in association with Society for Promotion of Material Science on 9TH -10TH March 2018 in the Topic “Advancement & Globalization of Chemical Sciences for Man, Material & Environment”
- “Snake Conservation & Awareness Programme” was held on the occasion of International Forest Day” on 21ST March 2018.
- The C.V.Raman centre for Science & Communication of the University organized the Environmental awareness program on the occasion of “World Environment Day” on 5TH of June 2018 in association with Chhattisgarh Science Centre.
- Continuation of Green cover expansion in the campus.
- Organizing conferences/seminars on the eve of World Water Day, World Food Day, World Environment Day, World Ozone Day, Biodiversity, water and forest conservation, water harvesting, save trees, etc.
- Plan of using only odd number motorized vehicle on 10th of every month and even number vehicle on 27th of every month.
- Maximum use of bicycles in the campus to make the campus pollution free and eco-friendly.



Yes



No

7.5 Whether environmental audit was conducted?

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

- The university strives for creating more international linkages through actively working MoU's, collaborations and Quality research Pursuits.
- Recognizing bench marked outcome-based talents to usher into an era of quantum performance.

8. Plans of institution for next year

- To increase Global collaborations through MoU's
- To increase PPP for creating certain societal assets in the campus.
- Capital investment for capacity addition in the built and paved spaces, ICT, learning resources etc.
- To create memorable facilities by involvement and contribution of **ICT**
- Filing and processing for reassessment with NAAC
- To incorporate several new need-based departments such as Department of Rural Technology, Chhattisgarhi etc., to cope up to the regional and local demands.

Name Dr. P.K. Naik



Signature of the Coordinator, IQAC

Name Dr. R.P. Dubey



Signature of the Chairperson, IQAC
