Self Study Report

Submitted to

National Assessment and Accreditation Council
(NAAC), Bangalore

By

DR. C. V. RAMAN UNIVERSITY

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DR. C.V. RAMAN UNIVERSITY

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SELF STUDY REPORT

Volume-I

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National Assessment and Accreditation Council
(NAAC)

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Preface

It gives me an immense pleasure to present the self-study report (SSR) of Dr. C.V. Raman University, Kargi Road, Kota, Bilaspur (C.G.) to the national assessment and accreditation council (NAAC), Bangalore for assessment and accreditation. We have made our sincere efforts and taken due care to present the facts as per NAAC guidelines while preparing this SSR.

Dr. C.V. Raman, the first noble laureate of India in science observed that the real growth of a country is in the hearts, minds, bodies and souls of the young men & women of the country. His sentiments were echoed in the words of Dr. A.P.J. Abdul Kalam, the Ex-Scientist-President of India, who said that Education should form the central focus of development and nation building. So, these words of C.V.Raman & Dr. A.P.J. Abdul Kalam inspire to the prime objective of Dr. C.V.Raman University. Dr. C.V. Raman University has been setup on 3rd November 2006 and inaugurated on 14th October 2007, with the above objectives in view. It has been setup in a tribal scheduled area of Chhattisgarh with a view to take up education, research, training and extension activities in this under – developed region of the state.

At present the university runs 8 faculties with 26 departments in which 54 UG, PG, & Diploma programmes are being conducted. Recently UGC and MHRD allotted Pt. Deendayal Upadhyay Kaushal Kendra to CVRU for running B.Voc. & M.Voc. programmes, as the university had already been working with NSDC through CVRU–NSDC Academy by running skill oriented programmes to fulfil the Mission of skill–India. Besides this the university provides research programmes (M.Phil/Ph.D.) in different department of the university.

The university has set up a community radio station named, “Radio Raman” on 90.4 MHz frequency FM under its institute of open and distance education (IODE), with an objective to broadcast necessary educational and entertainment based content focusing on the basic rights of the local community in terms of education, health and law. The university is also contributing to the fulfilment of overall development of students and goal of the state of Chhattisgarh, i.e. University provides higher education facilities in tribal area, approximately 60% students of this university belongs SC/ST/OBC and rural area.

I am extremely happy to present and submit the self-study report (SSR) of Dr. C.V. Raman University Kargi Road, Kota, Bilaspur, Chhattistarh to the NAAC, Bangalore. I hope that the NAAC will accept this SSR and will arrange to send the peer team to visit our university.

DR. R.P.Dubey
i/c Vice – Chancellor
Dr. C.V.Raman University
Kargi Road Kota Bilaspur (C.G.)

Awards & Accolades

NASSCOM Innovation Award-2009

NASSCOM Innovation Award-2010

Skotch Award-2012

Social Entrepreneur of the Year India 2010

Best University Award-2013

THE BEST UNIVERSITY AWARD-2014

Best University Award-2014

NIELIT WORKSHOP 2014

Accolades by NIELIT-2014

World Education Award-2014

Executive summary

Emerging as an educational hub in Chhattisgarh & located in the backward tribal region of Kota, Bilaspur, Dr. C.V. Raman University redefined the perception of Higher education in terms of its quality, quantity and accessibility. The university is seeking new vistas of wisdom and knowledge to standout distinctly apart. Established on 3rd of November 2006, CVRU has not spared any effort in transforming itself into a global educational hub, which has carved a niche for its own. CVRU aspires to be a cutting edge university by anticipating the needs of future and meet them by creating an environment that supports, teaching, learning, skill and research towards excellence. Through an innovative research based pedagogy along with world class facilities and opportunities, the university is inspiring students and providing a platform to "BE MORE" (University Slogan). The university vowed to meet various challenges such as quality, quantity, access, funding, autonomy, knowledge, skill, employability, infrastructure, research academia and development etc. by upgrading its programs and faculty to strengthen the academic structure and environment of the university. Through a unique pedagogy and dynamic faculties, CVRU is aspiring the young professionals to grow into an intellectual, responsible and trustworthy citizens of tomorrow who can create a difference and make a difference in their respective fields. A continuous interface between the university and industry has created a strong network with the corporate world. The student-centric activities like projects, internship and placement results have been one of the key achievement for the university. Also, CVRU always encourages its students to actively participate in all types of extra-curricular activities and All India Youth Festivals etc. As, the University is a place of learning as well as moulding the future Universe, hence the university must plane for the multidimensional and universal development of all its stakeholders such as students, faculty members, other employees etc. The all-round development of a student is practically possible only when he is exposed to the experiences and other numerous factors associated with life like Technology, Psychology, human philosophy etc. The faculty members of the university deserve appreciation for their diligence and dedication in strengthening the university through their significant contribution in several academic seminars, conferences, symposia etc. and publication of a number of research articles in journals of repute. The foundation of this university finds its inspiration in the ideas and thoughts of the first Indian Scientist to win a Nobel Prize, Dr. C.V. Raman. His words define what the university's policy is all about, i.e. enabling each student to go beyond boundaries and set new benchmarks. Thus the University helps students to expand their horizons by boing beyond the tried and tested, defining strengths and weaknesses and developing new perceptions. These are the things what the university tries to inculcate in each and every student in the campus. Higher education contributes towards the generation and dissemination of knowledge and the creation of a cognitive and effective domain that is not constrained socio-economically or even by the forces of the nature. Knowledge is the engine that gears all progress and developments and this knowledge has got to be tempered with love and values. Thus, the university has experienced a quantum jump in the student enrolment with a huge number.

Therefore, this report (SSR) provides a deep insight into the university's educational activities, effective administration, state of art facilities and initiatives that the university has undertaken in its journey of 9 years. A brief and executive summary of SSR is furnish below:

Dr. C.V. Raman University owes the responsibility to explore the new domains of knowledge and seeks the new insights in creating significant competitive environment. The institutional vision of this university reflect upon various initiatives to provide literal, legal, managerial and scientific knowledge to the students generating high morals, ethics and values with cultural heritage in them by helping the society in nation-building through nurturing and strengthening the young talents for being the trust worthy citizens of tomorrow. The CVRU mission is also envisaged to provide quality teaching and learning thereby improving their approach and skills towards the higher studies. This helps the university to obtain the wisdom of promising mission and vision. The university has a well-organized system of curriculum design and development. The university follows a systematic process in the design and development of the curriculum through the procedure consisting of various groups such as the academic council, the board of studies, the board of exam, all faculty deans, all professors, associate and assistant professors and members of the allied disciplines both at UG level and PG level where two issues are considered by the BOS i.e. the assessment need and the feedback need which is based on the current demand analysis, public opinion, expert views, industry requirements, state policies, technological aspects, UGC guidelines and other perspectives with respect to the feedback obtained from the faculty, students, academic experts etc. and the curriculum is discussed in the periodic meetings. CVRU maintains innovation and research as its core strength in its curricular aspects for developing the curriculum structure, through equitable proportion of practical training for gaining better employability. The University curriculum includes various programmes and courses of UG, PG, Diploma, PG-Diploma, Certificate Courses, enrichment courses, value added courses, skill oriented programmes and research programmes.

The teaching-learning and evaluation of the university undergoes an ordered methodology in a systematic way for an easy implementation. The university at the initial step advertises the admission notification to its various programmes and courses through the print media etc. and through its updation in its website. The university widely publishes its admission brochure and prospectus containing important information and guidelines regarding the admission process along with the application form enclosed in a schematic format. The entire mechanism of the admission process is taken care by the admission cell after the smooth scrutinization of the admission application forms in the further processing. The admission process involving the entrance examinations in certain programmes are monitored separately which adopt several criteria such as GATE, PET, AIEEE, PPT, MAT, CAT, NET, SLET, Pre B.Ed. entrance test and M.Phil. and Ph.D. Entrance examinations etc. for the various professional and higher level UG & PG Programmes like M.Tech., B.E., Polytechnic, MBA, B.Ed. & the research programmes. The complete process of advertisement of the admission notification and admission procedure start during the onset of the new academic session. The university admits its students according to their demand ratio in the UG, PG and research level on the basis of the categories like SC/ST/OBC etc. During the post-admission session, CVRU organizes several formal and informal induction programmes and gender – specific meeting during the beginning of session for the newly admitted students to enable them to acclimatize with the conditions. The university follows an academic calendar to make the departments for smooth implementation of the teaching-learning Examination & evaluation plan. All the departments prepare the teaching plan and assessment accordingly. As, maintaining the standards of teaching and learning is the utmost responsibility of the faculty members, therefore they involve the ICT based advanced technology, e-learning and interactive methodology using projects in their teaching learning process. The university provides a structured course-outlines and course-schedules along with the required syllabi to the students prior to the commencement of the students to have an exposure to the realistic domains. This is made possible by the university by providing hands on training in instrumentation, computing and search tools to the students to enhance their innovative and interactive and interactive grip. Thus, the way of project based learning and practical experimental learning is promoted. Frequent use of smart classrooms and NPTEL Audio Video lectures takes place to maximize the students' potential of utilizing the ability, academic excellence, confidence and skill.

Research is the significant aspect and an integral part of the academic activity and academic excellence of the university. The university has an active R & D cell and a research committee for the promotion of research and to monitor all the research related issues and activities. It acts as an apex body to initiate the university's Research oriented responsibilities. CVRU runs its two programmes of research viz. M.Phil. and Ph.D. in the various disciplines of study for which it conducts its own university entrance tests separately. The university completely supports and encourages its research scholars and fulfils their research oriented needs towards the required investigations. CVRU provides the benefit of the research reward schemes as an incentive towards the welfare of its faculties and research scholars with respect to their significant work publication in the reputed journals. The university promotes and encourages interdisciplinary research and also facilitates researchers of eminence to visit the campus as adjunct professors. The CVRU earmarks its maximum percentage of its budget plan towards research and allocates a sufficient and a major amount for different research purposes such as field work, research lab instruments etc. The university has a centre of excellence for research i.e. CVRU Central Instrumentation Laboratory (CCIL) with the excellent facilities for the research scholars. The university actively participates in Shodhganga for depositing all its thesis and also helps the research scholars for easy e-resource access through INFLIBNET and DELNET facilities in the library. The university has an effective participation in the consultancy services, various extension activities and owes the Institutional Social responsibility in a definite manner by sensitizing its faculty members towards the society. CVRU has MOU with TCS, Microsoft, BSNL etc. for availing better consultancy services and has also tied up with the Rishi Aurobindo Society, Pondicherry. Some of the extension activities and ISR arranged by CVRU includes: The Ravindra Sangoshthi, The Vanmaali Katha Samaroh etc.

The university has excellent infrastructural facilities including adequate classrooms, high-tech seminar halls, digitalized e-classrooms with interactive boards of teaching, well equipped advanced laboratories with sophisticated advanced instrumental facilities, computer labs with excellent internet connectivity with many software installed, full Wi-Fi campus full-fledged central library and well managed departmental libraries. The infrastructure facilities and learning resources at CVRU are the key factors for creating the ambience in the campus academically to enhance the productivity of both staff and students. Thus, CVRU has been constantly up-grading its infrastructure. All the infrastructural facilities for the students of CVRU such as hostels, in-campus bank facilities, mess, canteen, laboratories, smart classrooms, sports facilities, playgrounds, courts, gymnasium, moot court in law department, GD-rooms, e-library, reading rooms, conference and seminar hall transport facilities, library with e-journals, books etc. are well furnished and developed at CVRU for its students.

To facilitate the students in a number of ways, the university organizes and promotes all types of academic activities, games, sports, extracurricular and cultural activities for their gradual and regular support and mentoring. CVRU also promotes language skill, communication skill and personality development programmes for its students. The university supports and promotes personal enhancement and development of the students through their career counselling, soft skill development, path-identification etc. for their well-being with special attention towards the SC/ST, rural background and financially poor students. All types of support services are provided to the students by the university and the financial assistance is provided in the form of scholarships from the state Govt. in a systematic procedure through their scholarship ATM card. For the awareness of Job opportunities, the University training and placement cell with the TPO provides pre-placement training for the students and arranges special GD sessions prior to the campus arrival of the companies. Enough placement opportunity is given to the students of CVRU through various companies of national and international repute. CVRU is also having an Alumni association for the students to ensure effective interface with the alumni body worldwide. The CVRU students grievance and redressal cell gives proper hearing to the grievance regarding all issues formally and informally to provide the quick redressal. The university fulfils its vision and mission with an efficient involvement of its leadership through the regular meeting and interaction with its stakeholders in ensuring the management system developing implementation and continuous improvement and reinforcing a culture of excellence. It identifies the organizational needs and strives to fulfil them always. CVRU contributes to the National development by its huge enrolment of students resulting in an increase in the GER of the state and thereby of the nation gradually. CVRU also fosters the global competencies among its students and helps to inculcate sound value system in them. CVRU thereby develops the quest for excellence among its students with a vast dissemination of knowledge and quality education. CVRU promotes eco-friendly campus initiatives, conducts green campus strategy and arranges for its various innovations programmes and best practices for the social benefit.

SWOC Analysis of the University

Strengths:

- ✓ **Name:** Named after the first Noble laureate in the field of Science; “Dr. C.V. Raman” known as an eminent scientist (Physicist) for the marvellous scientific phenomenon of “Raman Scattering”.
- ✓ **Location:** Situated in the rural and tribal belt of the state of Chhattisgarh in Kargi Road, Kota town in the city of Bilaspur which caters to the social

benefits, educational needs and developmental needs of the learners staying in vicinity of rural and economically poor background.

- ✓ **Surrounding environment**: The whole campus of CVRU in a serene environment is surrounded by a huge and green forest area with a significant range of Bio-Diversity consisting of the verities of flora and fauna located on the Bilaspur-Amarkantak Highway.
- ✓ **Infrastructure**: Excellent infrastructure with a huge and spacious Green campus creating an ambience of state of art learning and teaching.
- ✓ **Faculty**: Excellent, Dedicated, skilled and competent faculty members with leadership qualities.
- ✓ **Students:** Sincere, disciplined, mannered, cultured, enthusiastic, respectful proactive and 59% of our students came from ST/SC/OBC category.
- ✓ **Administration:** Supportive, cooperative, caring and centralized administration with decentralized responsibilities.
- ✓ **Vibrant work culture and learner-centric approach**
- ✓ Active, efficient and vigilant governing bodies and monitoring teams with very good IQAC to maintain and enhance the quality of education.
- ✓ **Laboratories**: Well furnished, modern and well equipped laboratories with advanced instruments and apparatus.
- ✓ **Library**: Significant and well equipped central library with excellent e-library and software technology and facilities such as KOHA, OPAC (SOUL) through the access of INFLIBNET and DELNET for e-journals, e-books etc.
- ✓ **Programmes:** All types of programmes in every level such as UG, PG, Diploma, PG-Diploma & Certificate programmes. The programmes involve various professional, job-oriented courses, value-added courses, enrichment courses, technological courses, managerial courses, legal education courses, vocational and skill development courses which fulfils the need for the complete development of the nation and the mission of skill India.
- ✓ Good academic results with positive trends.
- ✓ In-campus community Radio "**90.4 Radio Raman**" which helps in spreading awareness regarding health, hygiene, medicine, education and other social benefits and information.

Weaknesses:

- ➢ Due to the long distance from the city of Bilaspur, the students in the University campus suffer with inadequate and frequent transport facility and somewhat loss in their time management with slight scarcity of time.
- ➢ Being situated in the rural tribal belt of the state of CG, most of the University students and new comers are from the same rural back ground and with poor economical and financial status. Thus, despite of quality teaching, learning and training, many students are not able to easily qualify their competitive tests and are unable to pay their fee properly and completely in time within the due date.
- ➢ Though the university is moving towards automation, but the students residing in the rural area are not able to take the full advantage at their residence due to frequent electric failure and cut-off.

Opportunities:

- The location of the university provides enough opportunities for initiating curricula regarding tourism (Because of Amarkantak Road), anthropology etc.
- Being surrounded by the dense forests and a number of villages with rural disadvantages, the university provides a significant opportunity for diversified research in the field of biotechnology flora and fauna through biodiversity and towards the rural India and also being in the unexplored tribal belt with connectivity of Achankmar, nice scope is there for some novel research output for the students.

Challenges:

- The major challenge for the university is the development, progress and upliftment of the students and learners of rural and tribal areas, as the population is of low income group who are unable to support and afford the financial structure of higher courses and also are unaware of the further higher education programmes.
- As the university has a huge enrolment of students from different areas, thus, the university faces a major challenge for the quantity v/s quality and infrastructure which can cater to the needs of providing education of high global standards.

Dignitaries Visited

Hon'ble Governor of Chhattigarh
on Annual Function - 2010-11

Hon'ble Governor of Chhattigarh
on Annual Function - Dishayen-2014

Hon'ble Governor of Chhattigarh
on JJOSH-2015

Hon'ble Governor of Chhattigarh
on JJOSH-2015

Shri Chetan Bhagat (Renowned Novelist)
on Dishayen-2014

Hon'ble Minister Shri Amar Agrawal Ji &
Hon'ble M.P. Shri Punnu Lal Mohle Ji
on Annual Function 2010-11

Hon'ble Minister Shri Prem Prakash Pandey Ji
on JJOSH-2015

Dr. Ujjawal Patni (Renowned International Trainer)
on JJOSH-2015

PROFILE
OF THE
UNIVERSITY

DR. C.V. RAMAN UNIVERSITY

Profile of the University

1. **Name and Address of the University:**

Name:	**Dr. C.V. Raman University**	
Address:	**Kargi Road Kota Bilaspur**	
City: **Bilaspur**	Pin: **495113**	State: **Chhattisgarh**
Website: www.cvru.ac.in		

2. **For Communication:**

Designation	Name	Telephone with STD Code	Mobile	Fax	E-mail
Vice Chancellor	Dr. R.P. Dubey	07753-253803	+919617779311	07753-253728	ravidubey_1963@yahoo.co.in
Registrar	Mr. Shailesh Pandey	07753-253802	+919009911000	07753-253728	sp.cvru@gmail.com
Steering Committee/IQAC Co-ordinator	Dr. P.K.Naik		+919993198626	07753-253728	pramodnaik678@gmail.com

3. **Status of the University**:
State University ☐
State Private University ☑
Central University ☐
University under Section 3 of UGC (Deemed University) ☐
Institution of National Importance ☐
Any other (please specify) ☐

4. **Type of University**:
Unitary ☑
Affiliating ☐

5. **Source of funding**:
Central Government ☐
State Government ☐
Self-financing ☑
Any other (please specify) ☐

6. **(a) Date of establishment of the University:** *03rd November 2006*
(b) Prior to the establishment of the University, was it a/an

(i)	PG Centre	No
(ii)	Affiliated College	No
(iii)	Constituent College	No
(iv)	Autonomous college	No

7. Date of recognition as a university by UGC or any other national agency:

Under Section	DD	MM	YYYY	Remarks
i. 2f of UGC*	21	06	2008	
ii. 12B of UGC	--	--	--	Not Applicable, because this section is meant for the Universities established after the Act of UGC (A) 1972
iii. 3 of UGC	--	--	--	--
iv. Any other (Specify)	--	--	--	ISO 9001-2008 Certified & Member of AIU

*UGC's Letter is enclosed as Annexur-1

^ Enclose certificate of recognition by any other national agency/agencies, if any.

8. Has the university been recognized	
(a) By UGC as a University with Potential for excellence?	No
(b) For its performance by any other governmental agency?	No
9. Does the university have off-campus centers?	No
10. Does the university have off-shore campuses?	No

11. Location of the campus and area:

	Location*	**Campus area in acres**	**Built up area in sq. mtrs.**
Main Campus	Tribal	48.15	
Other campuses in the country	No	**NA**	**NA**
Campuses abroad	No	**NA**	**NA**

12. Provide information on the following: In case of multi-campus University, please provide campus-wise information.

- *Auditorium/seminar complex with infrastructural facilities-*
  1. Air- conditioned conference hall of 300 seating capacity with Audio-Video Projection & Video conference facility.
  2. Air-conditioned hall in new administrative building with the capacity of 100 and also 1 board room for conducting meetings.
  3. Moot court of 50 seating capacity.
- *Sports facilities -*
  - * Playgrounds: A playground each for cricket & football Games and Basketball, Volleyball & Badminton Courts separately.
  - * Swimming pool: Indoor Swimming Pool- **No**
  - * Gymnasium: **01:**
  - * Any other Indoor facility for Table Tennis, Chess, Carom, etc.
- **Hostel:**

  Boys' hostel

  (i) Number of hostels - 5

  (ii) Number of Inmates -1000

  (iii) Facilities-Wi-Fi, Infirmary, Mess & Dining Hall, Common Room, indoor game facility.

* *Girls' hostel* :

(i) Number of hostels- One
(ii) Number of Inmates -50
(iii) Facilities –Wi-fi, Dining Hall, Common room.

Working women's hostel: Nil

- **Residential facilities for faculty and non-teaching:** Yes
- **Cafeteria- Yes NESCAFE**
- **Health Center – Nature of facilities available – inpatient, ambulance, emergency care facility, etc.**
  The university has its own health centre and dispensary comprising of two full time medical superintendents, i.e., one chief medical officer Dr. Avijit Royzada (M.D.) and one medical supervisor to cater to the needs of the medical services. The CVRU health centre and the dispensary of the university within its premises offers full time medical facilities for the students, faculties, non-teaching staff, administrative staff and other employees of the university. The dispensary provides service in the hostels also extends its emergency services too throughout the campus. All the students, staff, faculty and other employees of the university are provided medicines at free of cost. One medical officer and one assistant medical officer along with a medical compounder are appointed to take care of CVRU health centre and helps to avail the medical facility for each and every one in the university premises. The health centre of the university consists of the complete first aid facility, primary medical treatment facility as well as some of the diagnostic equipment and sufficient pharmaceutical medical store.
  The following facilities are available in the medical dispensary:
  - Sphygmomanometer
  - ECG machine
  - Stethoscope
  - Stretcher and wheel chair
  - Patient table
  - Well managed medical almirah for proper medicine storage
  - Blood pressure instrument
  - Blood sugar testing instrument (Glucometer)
  - Electronic BP-Measuring machine
  - Weight-machine
  - Biochemical lab for Hb-test & blood group test.
  - Nursing table
  - Clinical laboratory facility
  - Pulse-oxymeter machine
  - Sterilizer machine
  - Electric water heater

  Besides this, we are also having an MOU with the Sai Baba Nursing Home, at Ring Road, Bilaspur in which for the special cases emergency and serious treatment, the students of our university are recommended and referred for the further treatment free of cost to the nursing home.
- **Facilities like banking, post office, book shops, etc.**

Yes, a branch of "**Bank of India**" with an **ATM facility is inside the University Campus** and the other 2 ATM Punjab National Bank, & State Bank of India are at the University Entrance Gate and also one stationary shop is available inside the campus for the benefit and academic requirements of the students.

- **Transport facilities to cater to the needs of the students and staff.**
  Yes, Facilities of University buses for students, faculties & staffs from all corners of the City.
- **Facilities for persons with disabilities-** Yes university has wheel chair facility for disabled students.
- **Animal house** Nil
- **Incinerator for laboratories** Nil
- **Power house**
  Yes, Electrical Sub-Station with 2 generators one is 125 KVA and the second is 25 KVA generator.
- **Waste management facility-** To provide clean and healthy environment in the campus. The collection and disposal of solid wastes is being carried out by the university with the help of the staffs and vehicles.

13. Number of institutions affiliated to the university –
Not Applicable

14. Does the University Act provide for conferment of autonomy (as recognized by the UGC) to its affiliated institutions? If yes, give the number of autonomous colleges under the jurisdiction of the University:
It's a Unitary University

Yes ☐ **No** ☑ Number ☐

15. Furnish the following information:

Particulars	**Number**	**Number of Students**
a. University Departments	26	
Undergraduate	19	3395
Post Graduate	28	1533
M.Phil and Ph.D.	19 & 24	249
b. Constituent colleges	-	Nil
c. Affiliated colleges	-	Nil
d. Colleges under 2(f)	-	Nil
e. Colleges under 2(f) & 12B	-	Nil
f. NAAC accredited colleges	-	Nil
g. Colleges with Potential for Excellence (UGC)	-	Nil
h. Autonomous colleges	-	Nil
i. Colleges with Postgraduate Departments	-	Nil
j. Colleges with Research Departments	-	Nil
k. University recognized Research Institutes / Centers	-	Centre for Distance Education Career Planning Centre

16. **Does the university conform to the specification of Degrees as enlisted by the UGC?**

Yes ☑ No ☐

17. **Academic programmes offered by the university departments at present, under the following categories: (Enclose the list of academic programmes offered)**

Programmes	Number
UG	19
PG	28
Integrated Masters	1
M.Phil.	19
Ph.D.	24
Certificate	
Diploma	5
PG Diploma	2
Any other (Please specify): • Bridge course • Part time certificate • Part time evening certificate • Part time diploma	
Total	**97**

18. **Number of working days during the last academic year (2014-15)**: 226 Days

19. **Number of teaching days during the past four academic years.**

2010-11	**2011-12**	**2012-13**	**2013-14**
181-190 Annual	180-191 Annual	182-195 Annual	182-192 Annual
90-95 Semester	90-93 Semester	91-95 Semester	91-94 Semester

('Teaching days' means days on which classes were engaged. Examination days are not to be included)

20. **Does the university have a department of Teacher Education?**

Yes ☑ No ☐

a. Year of establishment : **09/08/2005**
b. NCTE recognition Details: **WRC/2-32/723074/76/2005/6244 Dated: 9th August 2005**

c. Is the department opting for assessment and accreditation separately?

Yes ☐ **No** ☑

21. **Does the university have a teaching department of Physical Education?**

Yes ☑ No ☐

22. In the case of Private and Deemed Universities, please indicate whether professional programmes are being offered?

Yes, the University offered following professional programs:

S. No.	Name of Programs	Year of Establishment	Statutory Body	Recognition details
1	B.Ed.	2005	NCTE	Annexure 1
2	M.Ed.	2008	NCTE	Annexure 1
3	Polytechnic (Engineering Diploma)	2013	AICTE	Annexure 1
4	B.E.	2007	AICTE	Annexure 1
5	M.Tech.	2011	AICTE	Annexure 1
6	M.B.A.	2008	AICTE	Annexure 1
7	BA.LL.B	2012	BCI	Annexure 1

23. Has the university been reviewed by any regulatory authority? If so furnish a copy of the report and action taken there upon.

No.

24. Number of positions in the university

Department	Posts Sanctioned by the University			Faculty Actually Available at Present		
	Professor	Associate Professor	Assistant Professor	Professor	Associate Professor	Assistant Professor
Chemistry	1	3	8	1	0	11
Economics	0	1	3	0	0	2
Civil	1	3	9	1	0	12
CS	1	3	9	0	0	13
Management	1	3	9	0	0	13
Education	1	2	9	1	0	10
EEE	1	2	8	0	1	8
EE	0	1	5	0	0	5
ECE	1	3	10	0	0	13
English	1	3	6	0	0	6
Geography	0	1	3	0	1	2
Hindi	0	1	5	0	0	6
History	0	1	3	0	0	2
IT	3	5	11	0	0	25
Law	0	2	4	0	0	5
Library Science	0	0	2	0	0	3
Life Science	2	3	8	0	1	13
Mathematics	1	3	6	1	1	9
Mechanical	3	5	14	0	0	20
Physics	1	2	5	1	1	6
Sanskrit	0	1	3	0	1	2
Social Work	0	0	3	0	0	2

Commerce	1	2	6	1	0	8
Physical Education	0	1	4	0	0	5
Political Science	0	1	3	0	0	4
Journalism & Mass Communication	0	0	3	0	0	1

Non-Teaching Staff		Technical Staff	
Sanction	Available	Sanction	Available
275	259	50	47

25. Qualification of teaching staff

Highest Qualification	Professors		Associate Professors		Assistant Professors		Total
	Male	Female	Male	Femal	Male	Femal	
Permanent Teachers							
D.Sc./D.Litt	0	0	0	0	0	0	
Ph.D	6	0	5	1	6	17	35
M.Phil.	0	0	0	0	21	22	43
PG	0	0	0	0	63	36	99
UG	0	0	0	0	16	11	27
Total Permanent	6	0	5	1	106	86	**204**
Part Time Teachers							
D.Sc./D.Litt	0	0	0	0	0	0	0
Ph.D	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0
PG	0	0	0	0	2	7	9
UG	0	0	0	0	5	0	5
Total part Time	0	0	0	0	7	7	**14**

26. Emeritus, Adjunct and Visiting Professors.

	Emeritus	Adjunct	Visiting Professors
Number	2	0	112 Visiting fellows

27. Chairs instituted by the university:

Nil

28. Students enrolled in the university departments during the current academic year (2015-16), with the following details:

Students	UG		PG		M.Phil		Ph.D		Integrated Ph.D.		D.Litt./ D.Sc.		Certificate		Diploma		PG Diploma	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
From the state where the university is located	2045	683	663	471	63	102									503	78	125	90

From other states of India	62	17	148	36	57	27									7	0	0	0
NRI students	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Foreign students	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

29. Unit cost' of education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

i. Including the salary component = **Rs. 27484.1**
ii. Excluding the salary component = **Rs. 25729.11**

30. Academic Staff College - Nil

- Year of establishment **-**
- Number of programmes conducted (with duration)
  - UGC Orientation
  - UGC Refresher
  - University's own programmes

Nil

31. Does the university offer Distance Education Programmes (DEP)?

Yes ☑ No ☐

31 Programmes

Are they recognized by the Distance Education Council?

Yes

32. Does the university have a provision for external registration of students?

Yes ☐ No ☑

33. Is the university applying for Accreditation or Re-Assessment? If Accreditation, name the cycle.

Cycle 1 ☑

34. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

NA

35. Does the university provide the list of accredited institutions under its jurisdiction on its website? Provide details of the number of accredited affiliated / constituent/ autonomous colleges under the university.

NA

36. Date of establishment of Internal Quality Assurance Cell (IQAC) and dates of submission of Annual Quality Assurance Reports (AQAR).

University has constituted its Internal Quality Assurance Cell on 5-5-2015.

37. Any other relevant data, the university would like to include (not exceeding one page).Please list other items of importance on campus, which are of significance:

1. Radio Raman “90.4”(CVRU Community Radio)

Ministry of Information & broadcasting has granted permission to CVRU to establish community Radio Station. This University is the first in the State where students could be taught, educated, and youth will progress towards employment and a common man will woke up towards his rights, duties and liabilities through radio programmes prepared and broadcasted by CVRU. After its establishment in University “Radio Raman” has started on 90.4 MHZ from the year 2012 and commences its regular broadcast in a short while. It can be received by the community in 15.5 km radius around CVRU campus. In the real sense, community radio plays a pivotal role in making the masses aware about their basic rights and duties. Not only limited to solving problems which a common man faces in his day-to-day life, community radio provides a strong platform from where one can freely disseminate his ideas among his community members in the best possible manner. Thus, community radio becomes one of the important instrument in strengthening our Right to Freedom of Speech and well as entertaining local people, community radio also acts as an intermediary between the Government and the local masses. This is the place from where local people can air their grievances to the Government as well as get the solutions to their problems too. Needless to say, community radio has played a major role in bridging the Communication gap between the Government and the local people. As, the community radio is still evolving it might be possible that in the near future, we will witness its various new forms which will be technologically more superior as well as user friendly. Well whatever the case may be, community radio has proved to be one of the best Medium of communication at the grass-root level. This means that community radio stations should focus on getting the community talking and not solely on radio (which is a technological process); the social concerns of community radio are stressed over radio per se. There is also a distinction drawn in contrast to mainstream stations, which are view as change to catering commercial concerns or the personalities of presenters.

2. Deendayal Upadhyay Kaushal Kendra: MHRD Government of India’s scheme in University.

We are proud to say that we are the only University of Chhattisgarh which has been given **Deendayal Upadhyay Kaushal Kendra** by UGC and MHRD. The UGC has been allotted us M.Voc. and B.Voc. programmes in Telecommunication, Retail Management & IT and Manufacturing & also gave us research programme in vocation (NSQF Level 10) offering B.Voc. from session 2015-16. CVRU is the only university who offers NSQF level 1 to NSQF level 10 programme.

3. CVRU bags the Best University award in Chhattisgarh twice in its journey of 9 years.

Criterion-I

Curricular Aspects

Criteria-wise Inputs

CRITERION – I: CURRICULAR ASPECTS

1.1 Curriculum Design and Development

1.1.1 How is the institutional vision and mission reflected in the academic programmes of the University?

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.

Dr. C.V. Raman University (CVRU) is a premier university of the state of Chhattisgarh with its 26 departments inculcating education in the field of its various faculties of Arts, Science, Commerce, Management, Law, Journalism & Mass Communication, Engineering, Information Technology, Research, Education, Physical Education etc. through its numerous courses by an enrolment of huge number of students. The university was established in the tribal region of the rural environment of Chhattisgarh with its primary objective and vision of providing higher education to the students of rural background giving an access for them to obtain an easy opportunity for getting an advanced ICT based technological studies contributing to the higher education enhancement. Recognised by UGC and approved by AICTE, NCTE, BCI as well as certified by ISO: 9001:2008, being a member of AIU, the institutional vision of this University reflect upon various initiatives to provide literal, legal, managerial and scientific knowledge to the students generating high morals, ethics and values with cultural heritage in them by helping the society in nation building through nurturing and strengthening the young talents for being the trust-worthy citizens of tomorrow. As, the contribution extends towards the positive attitude of these students of the university it is necessary to put forward the step of motivational standards as well as high inspiration and help sustain the society thereby eventually reshaping the world of today itself. This will definitely provide the platform and opportunity for the managerial, cultural, scientific & developmental growth among the youth for the programmes of knowledge and innovation with a successful and grand achievement. CVRU owes the responsibility to explore the new domains of knowledge and seeks the new insights in creating significant competitive environment. This helps the university to obtain the wisdom of promising mission and vision. The CVRU mission is also envisaged to provide online teaching learning facilities for its students through its learning centres, thereby improving their approach and skills towards higher studies. Keeping in view the vision, mission and objectives, the university offers many academic programmes. While designing the curriculum of the academic programmes, the respective board of studies takes into consideration the vision towards **national development, needs of the society, local needs, emerging needs and demands, expectations of stakeholders, innovativeness programme level standards, scope for further research, global demand, women empowerment, contemporary needs of the industry, inclusiveness** and so on. The academic programmes of the university such as courses in engineering, management commerce and technology are offered to help the industry and business background. The programs of social work, sociology, political science, law, philosophy, journalism and mass communication are offered towards the development of the society. The academic programs in all basic science are offered to promote scientific research in the community and the programs in languages are offered to develop the communication skills. Some collaborative programs, multi-disciplinary vocational courses, skill development programs (B.Voc./M.Voc.) as well as value added and enrichment courses of academic interests are also offered to meet the contemporary needs of the economy and the society. Thus, the university academic programmes are highly relevant to the need of the industry, economy and society. Also, many programs offered through distance learning provide access to higher education to all those who do not otherwise find an opportunity. In this regard CVRU for the students in the regular mode also provides NPTEL audio/video lectures to all branches of its engineering and diploma programmes. These lectures endeavour to instil self-employment skills in a large section of the students. The university has collaborated with IT Giant Microsoft for enhancing the course curricular activities. It provides office 365(A_2)SKU for all the faculties and students. The university has also setup a community Radio station named “RADIO RAMAN” at 90.4 FM under the department of Journalism and Mass Communication with a specific objective to broadcast the necessary content of education oriented knowledge based entertainment focussing on the basic rights and needs of the local community in terms of education, health and law including the current keen demands to benefit the society. Through this community Radio, CVRU utilizes the technology in order to impart the educational content also to those students who are staying apart at far off locations. The radio station endeavours to give an extended foresighted vision & dimension to higher education system and orient the students towards community services. CVRU is also associated to the spoken tutorial project for its curriculum design and development, which is funded by National Mission on Education through ICT, MHRD, Govt. of India and project headed by IIT, Mumbai. It provides a series of tutorials and software such as Latex, SciLab, GNU/Linux, URCA and python etc. The University takes specific care to integrate the graduate attributes like communicative skills, leadership quality, value based education, scientific temperament, tolerance, team work, skilful knowledge, personality built-up, recreation, amusement, sporty spirit, peaceful coexistence, inductive and creative environment through curricular, co-curricular and extra-curricular activities. The ICT infrastructure at CVRU has enabled online access to e-books, encyclopaedia and many more online Journals.

CVRU has made itself to act upon its viable principles in its perspective of having dynamic education with significant harmony pertaining skill based knowledge in each and every disciplines of the University enabling its vision & mission to reflect in its academic programmes.

1.1.2 Does the University follow a systematic process in the design and development of the curriculum? If yes, give details of the process (need assessment, feedback, etc.).

The university has a well-organized system of curriculum design and development. Each department has its board of study at UG and PG levels consisting of the experts from the departmental faculty and also representatives from other University & industry. Basically two issues are considered by the board of studies i.e. assessment need and feedback need from all the members before designing and developing the curriculum.

The assessment need so done is based on the demand analysis, public opinion expert views, industry requirements, recent technological aspects, state policies, UGC guidelines and other future perspectives. The feedback need is obtained formally as well as informally form the faculty, students, alumni, employers and academic experts periodically with systematic procedures. The drafted curriculum is discussed at length in the periodic meetings of the academic council for the academic senate for further approval, design and development of their curriculum. The academic council belonging to the academic senate consisting of the elite members to approve the new programmes, curriculum modifications, syllabus regulations etc. The University definitely follows a systematic process in the design and development of the curriculum**.** CVRU systematically designs and develops its curricula through a procedure consisting of the following groups:

- The Academic Council (AC)
- The Board Of Studies (BOS)
- The Board of Exams (BOE)
- All Faculty Deans
- All Professors, Associate Professors & Assistant Professors
- All Faculty Members & Co-Opted Members
- Members of the Allied Disciplines
- The Assessment Committee

Other CVRU Groups involved in the procedure are

- Board of Management (BOM)
- Governing Body (GB)

The University constituted the board of studies (BOS) and Academic Council (AC) for all the academic activities including design development and implementation of the Course curriculum, syllabus, modules etc. These bodies comprise of the departmental faculty, assigned members from allied disciplines of the University within the campus and co-opted members from the concerned discipline outside the University (off-campus) and then a formal discussion on Curricula is initiated. The BOS further forms the committees regarding this purpose for the proposal(s) which are then deliberated upon before finalization of the proposed curricula which is then recommended further to the Faculty and Deans for its considerations respectively. Thereafter, when the proposed curricula is once again deliberated upon, the Faculty is empowered to refer back the curricula for better up-gradation or improvement or modifications altogether for new curricula according to the current demand. The next step starts with a smooth processing of the protocol of designed syllabus & course content approval, admissions, teaching, learning, examination, evaluation & assessment. All the curriculum design & development goes through the gradual discussion in all the meetings held in each stages such as the meeting at departmental level chaired by the Heads of the respective department, the meeting at Faculty level chaired by the Dean of each Faculty with its all HOD’s, and the meeting at University level that is the meeting of Board of Studies & Academic Council chaired by the Vice Chancellor of the University.

1.1.3 How are the following aspects ensured through curriculum design and development?

Employability, Innovation and Research:

Being the seat of higher learning and the leader in quality with academic initiatives, the university has maintained innovation and research as its core strengths in designing and developing curriculum besides ensuring employability of the students. With respect to the design and development of the curriculum and also in updating the curriculum, innovativeness and future research are always the guiding themes in all the programmes offered by the university. CVRU has never accepted the static pattern of the curriculum and always promoted dynamism by way of its mode of adopting to the changes, modifications and initiating new programmes to meet the emerging needs of the society. For example, the University introduced professional programmes & twinning programmes as the following courses such as:

- Other vocational & Skill development courses.
- BE+(MTM)

These degree programmes are offered with an intention to expand the career opportunities of the students who complete more degrees in a much shorter time than the original required time to enhance and obtained better employability. In the curriculum design and development of various programmes, experiential learning, experimentations and projects are made by the university an integral part of the syllabus. The university offers 24 research programmes leading to Ph.D. degree and 19 research programmes leading to M.Phil. degree. The students/research scholars enrolled for the respective Ph.D. and M.Phil. programmes are required to complete the course work before they are allowed to take up the dissertation work. Each and every department of the University identifies the thrust areas of research and provides guidance to the students mostly in those thrust areas. In order to strengthen the research programmes, the university entertains the suggestions and interacts for necessary communications from various research organizations of national as well as international repute, throughout the country and abroad.

As employability is also one of the priorities in the design and development of the curriculum, so to ensure that the programmes are suitable to the industry need or not, the university takes various measures such as continuous feedback from the students, alumni, employers, industry experts, recruiting agencies, parents etc. which are then collected to include in the design of new curriculum. Development of communication skills, personality development and up gradation of life skill are also given priority in curriculum design to ensure employability with ensuring value education (VE), Group discussion (GD) & personality development (PD) skills.

The university has been consistently paying special attention to:

- **Employability**: The curriculum design through an equitable proportion of practical training for skill acquisition and sound theoretical knowledge serves to equip the students to face real time situations and societal need for the curriculum which attempts to address the needs of various stakeholders such as industries, Govt. agencies, banking sector, farming corporates, major agro-based industries, insurance sector etc.
    - All curriculum adopted by the university are beneficial for industries and other employers.
    - Curriculum are modified and improved time to time according to demand and supply scenario.
    - To increase and enhance language grip some new topics introduced in existing courses are communicative English, English language teaching, translation studies, biotechnology, Mass media etc.
    - Introducing one skill oriented course from NSDC programme to each UG programme that is associated with regular UG degree programme to enhance employability. This will be beneficial to all students to provide their employment.
    - Up gradation of learning tools such as laboratory equipment, introduction of ICT enabled programmes for moving from teaching to learning based methodology.
    - The community radio station of frequency 90.4 MHz in

    the department of Mass communication & Journalism has been established which play an important role in mass communication & journalism sector, thereby spreading awareness for job oriented courses with employability.

    - Facilitating sufficient training and exposure to learn problem solving abilities, leadership abilities, team work ethics and other such skills.
    - Introducing entirely new courses with high employability.

- **Innovation:** The University give a great deal of academic freedom enabling the introduction of new and innovative courses. The university with 26 departments of study under one roof provides the right ambience for introducing several innovative interdisciplinary programmes with innovative approach. Curricula are framed to inculcate the spirit of creativity and innovation at various levels. This is managed by including contents and items in syllabi and in teaching activities, evaluation and testing process, for example, writing projects, assignments, research papers, publications, attending and participating the National/International level conferences & seminars. Innovations are incorporated at various levels such as:
    - Selection of content for teaching & learning includes up gradation as per the global trends and job market, introducing inter-disciplinary contents.
    - Topics & items on syllabi are designed and redesigned accommodating the requirements of the multi-cultural heterogeneous classrooms.
- **Research:** Research is very important for every discipline in the university and a major engagement at CVRU. It is ensured in the curriculum design & development in the following ways:
    - Research capability of students is enhanced by introducing project work at PG level & by their visit at premier research institutes.
    - The research skills of students are enhanced through introduction of courses, activities and contents that include literature survey, data collection, data analysis

etc. & team work is promoted through group projects.

- Research orientation is enhanced by visit of students at premier research institutes.
- One research journal **“Bharat Journal of Science, Technology and Humanities”** (BJSTH) is being published by the university which provides a platform for publication of research papers of all staff & scholars of the university.

1.1.4 To what extent does the University use the guidelines of the regulatory bodies for developing and/or restructuring the curricula? Has the University been instrumental in leading any curricular reform which has created a national impact?

The recommendations of the regulatory bodies are given a vital importance while framing the curriculum. While developing or reconstructing curriculum for the different courses, CVRU takes into account the guidelines of the respective regulatory bodies as the fundamental base. The periodically modified guidelines of the bodies like UGC, AICTE, NCTE, BCI, DEB (Joint Committee) etc. are considered in the curriculum update effectively with the changing trends for the upcoming session in a gradual respective manner. The university is ISO: 9001:2008 certified and also a member of the association of Indian University. The contributions of the University (CVRU) in promoting innovative programmes are well recognized throughout and many new courses initiated by the University have created a significant impact respectively and nationally. For example all the programmes of the vocational courses and skill development programmes create a national impact throughout the country with NSDC (National skill Development Corporation) to enhance the new initiatives towards the skill oriented programmes.

In Curricula design or restructuring, the University has been following instructions & guidelines framed by regulatory bodies. In this regard all programmes run by the University, are in semester patterns and choice based Credit System (CBCS) will be implemented soon. For using current ICT technologies in all respect of academic & administrative activities, the University has been awarded prestigious award of Innovation for enhancing the ICT education. Beside this the university also provides SLM (Self Study Material) to our IODE (Institute of Distance & Open Education) Students.

1.1.5 Does the University interact with industry, research bodies and the civil society in the curriculum revision process? If so, how has

the University benefitted through interactions with the stakeholders?

The expertise, guidance and feedback of the representations from the industry and the research bodies which are discussed in the board of studies, certainly helps such kind of changes in the curriculum revision process definitely. Further, while frequently organising the seminars/ workshops/ conferences/ symposia/ endowment lectures etc. by the university, the academic fraternity finds an opportunity to interact with the expert concerned, and thereby enable themselves to undergo the process of affecting modifications or revision in the existing syllabi for the curriculum revision process. This significant interaction of the university through faculties and students with these experts and stakeholders during the events makes the university benefited for its better upliftment whereas, the experts from the industry, academia as well as the alumni participants facilitate in revising curriculum in consonance with the contemporary trends. Moreover, the university places the syllabi of all the courses on offer in the university official website in provision for getting feedback from all the industry experts, research bodies, civil society and stakeholders regarding the curriculum. Thus, the university is richly benefited in this process.

The University interacts with industries and other organization on regular basis by:

- Special lectures of experts from the industry, public sector, financial sector, Medical sector, social sector NGO’s etc.
- Judicial Interaction during placement, summer training and internship programmes.
- University nominates BOS & AC member from Industries, Public sectors, health sector, financial sector, social sector, NGO’s etc. They interact in this forum for improvement of curricula of the different disciplines & this benefits the students for obtaining their employment purpose.

1.1.6 Give details of how the University facilitates the introduction of new programmes of studies in its affiliated colleges.

Not Applicable

1.1.7 Does the University encourage its colleges to provide additional skill-oriented programmes relevant to regional needs? Cite instances (not applicable for unitary Universities).

Not Applicable

1.2. ACADEMIC FLEXIBILITY

1.2.1 Furnish the inventory for the following:

1. Programmes taught on campus: List of Courses (2014-15):

Regular Courses		
1.	Arts	BA
2.	Arts	MA (Economics)
3.	Arts	MA (English)
4.	Arts	MA (Geography)
5.	Arts	MA (Hindi)
6.	Arts	MA (History)
7.	Arts	MA (Political Science)
8.	Arts	MA (Sanskrit)
9.	Arts	B.Lib. (Library & Information Science)
10.	Arts	M.Lib. (Library & Information Science)
11.	Arts	MSW (Social Work)
12.	Commerce	B.Com.(CA)
13.	Commerce	B.Com.
14.	Commerce	M.Com
15.	Education	B.Ed.
16.	Education	M.Ed.
17.	Education	B.P.E.
18.	Education	M.P.E.
19.	Engineering & Technology	Diploma in Civil Engineering
20.	Engineering & Technology	Diploma in Computer Science Engineering
21.	Engineering & Technology	Diploma in Electrical Engineering
22.	Engineering & Technology	Diploma in Mechanical Engineering
23.	Engineering & Technology	BE (Civil)
24.	Engineering & Technology	BE (Computer Science)
25.	Engineering & Technology	BE (Electrical & Electronics)
26.	Engineering & Technology	BE (Electrical)
27.	Engineering & Technology	BE (Electronics & Communication)
28.	Engineering & Technology	BE (Mechanical)
29.	Engineering & Technology	M.Tech.(Computer Science)
30.	Engineering & Technology	M.Tech.(Digital Communication)
31.	Engineering & Technology	M.Tech.(Power System)
32.	Engineering & Technology	M.Tech.(Production Engineering)
33.	Engineering & Technology	M.Tech.(Software Engineering)
34.	Engineering & Technology	M.Tech.(VLSI Design)
35.	Information Technology	(BCA) Bachelor in Computer Application
36.	Information Technology	(DCA) Diploma in Computer Application
37.	Information Technology	M.Sc.(IT)
38.	Information Technology	PGDCA
39.	Information Technology	PGDCA(Professional)
40.	Law	B.A.LL.B
41.	Law	LL.B
42.	Law	LL.M
43.	Management	BBA
44.	Management	MBA
45.	Mass Communication	BJMC
46.	Mass Communication	MJMC
47.	Science	B.Sc. Biology Group
48.	Science	B.Sc. Mathematics Group
49.	Science	M.Sc.(Botany)
50.	Science	M.Sc.(Chemistry)
51.	Science	M.Sc.(Mathematics)
52.	Science	M.Sc.(Microbiology)

53.	Science	M.Sc.(Physics)
54.	Science	M.Sc.(Zoology)

2. Overseas programmes offered on campus:

Nil

3. Programmes available for colleges to choose from:

Not applicable.

1.2.2 Give details on the following provisions with reference to academic flexibility:

(a) Core / Elective options:

- All programmes comprise with core, Elective & Foundation.

Core courses are compulsory for all students in their respective programmes.

Students have an option to choose Elective & Foundation courses of their interest in the area of studies. Students may also choose as per his/her interest i.e. the course, which may not be of his/her area of study.

(b) Enrichment Courses:

Name of Department	Programme Name (Final Year)	Offered Courses	Duration
IT	BCA	Certificate in Computer Hardware Engineering(CCHE)	6 Months
	M.Sc.(IT)	Certificate in Networking Technology(CNT)	3 Months
Management	BBA	Certificate in Computer Application(CCA)	6 Months
	MBA	Certificate in Computer Application(CCA)	6 Months
Commerce	B.Com	Certificate in Desk Top Publishing (CDTP)	3 Months
	M.Com.	Certificate in Computer Application(CCA)	6 Months
Mathematics	B.Sc.(Math)	Certificate in Computer Application(CCA)	6 Months
	M.Sc.(Math)	Certificate in Computer Application(CCA)	6 Months
Chemistry	M.Sc.(Chem)	Certificate in Computer Application(CCA)	6 Months
Physics	M.Sc.(Phy.)	Certificate in Computer Application(CCA)	6 Months
Life Science	B.Sc.(Bio)	Certificate in Computer Application(CCA)	6 Months
	M.Sc.(Bot)	Certificate in Computer Application(CCA)	6 Months
	M.Sc.(Zol.)	Certificate in Computer Application(CCA)	6 Months
	M.Sc.(Micro)	Certificate in Computer Application(CCA)	6 Months
	M.Sc.(BioTech)	Certificate in Computer Application(CCA)	6 Months
Education	B.Ed. (IInd Sem)	Certificate in Nursery Teachers Training (CNTT)	3 Months
	B.Ed. (IVth Sem)	Certificate in Personality Development(CPD)	1 Month

	M.Ed. (IIIrd Sem)	Certificate in Teachining Using ICT (CTUI)	1 Month
	M.Ed. (IVth Sem)	Certificate in Personality Development(CPD)	1 Month
Arts	B.A	Certificate For Data Entry Operator (CDEO)	3 Months
	M.A.	Certificate in Nursery Teachers Training (CNTT)	3 Months
MSW	MSW	Certificate in Computer Application(CCA)	6 Months
Law	BA.LL.B/LL.B	Certificate in Computer Application(CCA)	6 Months
	LL.M	Certificate in Computer Application(CCA)	6 Months

(c) Courses offered in modular form. Nil

(d) Credit accumulation is done in various courses, transfer is not permissible as on date.

(e) Lateral and vertical mobility is permissible in a few programs/courses and disciplines.

1.2.3 Does the University have an explicit policy and strategy for attracting international students?

CVRU has been initiating several steps in many ways to encourage international students to seek admission into various programes. The students support system handling the student affairs is established with a view to facilitate support services to all the students. The following strategies are adopted to attract the international students:

- Organizing programmes based on cultures of different countries having permission to hold these events.
- Students socialization activities.
- Special mentoring and flexible admission procedure.
- Separate internet browsing facility for the international students in the e-library of the university.
- Wi-fi facility is also provided to these students along with the local students.
- Facilitation to secure the students VISA to the dependents.
- Participation in all extracurricular activities along with the local students without any kind of discrimination.
- Exclusive student hostels with well-designed rooms and all the required facilities & best accommodations.
- Special care for safety and security.

- Providing continuous eco-friendly and society friendly socio-environment.

The university provides admission to Foreign Nationals/NRI Candidates in various courses on the explicit policy as defined in a separate Guide to Admission for them Stipulating the Terms and Conditions, eligibility requirement and selection procedure at the time of inviting applications.

1.2.4 Have any courses been developed targeting international students? If so, how successful have they been? If no, explain the impediments

The course of effective background significant future prospects for the students of foreign culture attracting their lifestyles & requirements according to their managerial needs have been already developed in the university curriculum among which in several courses the students already contact through international feedback perspectives. These professional courses such as BBA, B.Com. (CA), MBA, M.Phil. M.Tech. etc. entertain the international student's concentration in a massive way without any kind of impediments.

1.2.5 Does the University facilitate dual degree and twinning programmes? If yes, give details.

The university offers one dual degree programme i.e. BAM with MAM (Bachelor of Applied Management and Master of Applied Management) and 2 integrated programmes i.e. BE (MTM) & BA.LLB.

1.2.6 Does the University offer self-financing programmes? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programmes?

NA

1.2.7 Does the University provide the flexibility of bringing together the conventional/face-to-face mode and the distance mode of education and allow students to choose and combine the courses they are interested in? If yes, give operational details.

The university offers many courses in the distance mode through IODE. The degrees offered by the University through the regular courses and through the distance mode are treated as equal for all purposes including the eligibility criteria for further admission into higher courses.

1.2.8 Has the University adopted the Choice Based Credit System

(CBCS)? If yes, for how many programmes? What efforts have been made by the University to encourage the introduction of CBCS in its affiliated colleges?

No, The University has yet not adopted the CBCS, but will definitely adopt the same as soon as possible for all its courses which has already been proposed for all programmes in regular mode.

1.2.9 What percentage of programmes offered by the University follows: Semester System, Annual system, Trimester system?

Semester system is followed in all the programmes offered by the University i.e. 100% of the programmes.

1.2.10 How does the University promote inter-disciplinary programmes? Name a few programmes and comment on their outcome?

CVRU is at the forefront in designing courses with interdisciplinary approach. As the board of studies in the university includes the subject experts from the sister disciplines, this definitely facilitates the designing of curriculum on inter-disciplinary basis. But presently, the university promotes only two programmes in the inter-disciplinary field i.e. (Master of Technology management (BE+MTM), a student candidate completing his/her graduation/bachelor in engineering and technology can directly move on to the management field making himself/herself eligible for having Master’s degree in the management discipline similarly the course of M.Sc. in Biotechnology where a graduate from the Botany/Zoology/Microbiology can move on for the programme of M.Sc. in Biotechnology being eligible in that respect. The university also promotes inter-disciplinary programmes in Law, for that we have BA.LLB programme.

1.3.CURRICULUM ENRICHMENT

1.3.1. How often is the curriculum of the University reviewed and upgraded for making it socially relevant and/or job oriented / knowledge intensive and meeting the emerging needs of students and other stakeholders?

The curriculum of the university programme courses of each department is being revised in every 4 years and reviewed once in every year annually. However, whenever the changes occur in the contemporary society, appropriate modifications to the curriculum in force, are being incorporated by the board of studies after the thorough discussion and deliberations. At the department level, the board of studies meeting is mandatory every year. However, the local need based requiremental meeting are held by the university in a routine manner convened by the vice-chancellor to meet the required up-gradation passed on socially relevant, job oriented/knowledge based intensive and emerging needs of the students every year introducing changes I the course curriculum. The academic council meets twice in a year to discuss and approve the changes recommended by the respective board of studies.

1.3.2. During the last four years, how many new programmes at UG and PG levels were introduced? Give details.

During the last four years following programmes have been introduced:

Programme/Year	2011-12	2012-13	2013-14	2014-15
Diploma	-	-	Polytechnic (Mech)	Polytechnic (CS)
			Polytechnic (Civil)	Polytechnic (EE)
UG	B.Sc. (Maths)	B. Lib.	BE (EE)	-
		B.A. L.L.B.		
		LLB		
	B.Sc. (Bio)	B.A.	BPE	
		BJMC		
PG	M.Sc. (Chemestry)	M. Lib.	M.Sc. (Botany)	M. Tech (VLSI)
	M.A (Geography)	M. Com.	M.Sc. (Zoology)	
	M.A (Sanskrit)	MSW	MPE	
	M.A (English)	MJMC	M. Tech (Prod. Engg.)	
	LLM	M.Sc. (Maths)	M. Tech (CSE)	M. Tech (SE)
	M. Tech (Digital Comm.)	M.Sc. (Physics)	-	
		M. Tech (Power Sys.)	-	

1.3.3. What are the strategies adopted for the revision of the existing programmes? What percentage of courses underwent a syllabus revision?

In a strong manner and basic principle, the university believe significantly that the curriculum should be revised within every 4 year duration of the time period as per the contemporary requirements of the society with its urge towards socio-beneficial aspects, besides complying with the guidelines prescribed by the apex regulatory bodies. Though the Vice-chancellor of the University, during the board meetings while addressing the meet, generally outlines the relevant issues and basically the strategies to be adopted for the revision and modification of the existing programmes. The task of proposing revision to the curriculum is to be initiated by the board of studies as mentioned earlier already to be known and such modifications are to be incorporated by the board prior to which the following are taken into account only after which the strategies are adopted;

- Guidelines framed by the UGC and other regulatory bodies.
- The model curriculum developed by the UGC are taken into consideration for revising the existing course curriculum.
- Structured feedback from every educational area stimulating academic growth.
- Employability and skill oriented detailed advancements and information promoting as priority for course curriculum.
- Contemporary societal need and benefits with socio-beneficial aspects.
- Techniques imparting students' access technology based demands.
- Value based education with cultural ease
- Global requirements with adoption of inter-disciplinary approach.
- Channels for higher degrees for students opportunities towards vertical mobility
- Keeping abreast of events in relevant disciplines.

1.3.4. What are the value-added courses offered by the University and how does the University ensure that all students have access to them?

To impart the values among the students of the University, a strategic tie-up with an Institution of National Importance i.e. **Sri Aurobindo Society, Pondicherry** has been done. Sri Aurobindo Society had contributed in designing curriculum towards the **Character and Citizenship building** activity among the students. The framework and activities are designed in such a way that the values can become the integral part of the academic programme. To provide access to its students for obtaining living excellence the university offers the following value added courses, which the student can opt along with the regular courses:

Name of Department	Programme Name	Offered Courses	Duration
IT	BCA	Certificate in Spoken English(CSE) 1st Sem Certificate in Personality Development(CPD) Final	3 Months 1 Months
	M.Sc.(IT)		

Management	BBA	Sem	
	MBA		
Commerce	B.Com		
	M.Com.		
Mathematics	B.Sc.(Math)		
	M.Sc.(Math)		
Chemistry	M.Sc.(Chem)		
Physics	M.Sc.(Phy.)		
Life Science	B.Sc.(Bio)		
	M.Sc.(Bot)		
	M.Sc.(Zol.)		
	M.Sc.(Micro)		
	M.Sc.(BioTech)		
Education	B.Ed.		
	M.Ed.		
Arts	B.A		
	M.A.		
MSW	MSW		
Law	BA.LL.B/LL.B		
	LL.M		

1.3.5. Has the University introduced any higher order skill development programmes in consonance with the national requirements as outlined by the National Skills Development Corporation and other agencies?

Yes the university introduced higher order skill development programmes in consonance with the national requirements as outlined by NSDC MHRD and UGC. It feels proud to say that CVRU is the only university of Chhattisgarh which has been given Deendayal Upadhyay Kaushal Kendra by UGC and MHRD. The UGC has been allotted us M.Voc. and B.Voc programmes in Telecommunication, Retail Management & IT and Manufacturing which also gives us research programme in vocation (NSQF Level 10) offering B.Voc. from session 2015-16. CVRU is the only university which offers NSQF level 1 to NSQF level 10 programmes.

1.4.FEEDBACK SYSTEM

1.4.1. Does the University have a formal mechanism to obtain feedback from students regarding the curriculum and how is it made use of?

A formal mechanism has been developed by the university to get feedback from the students regarding the curriculum for obtaining better outputs. Feedback on the curriculum is obtained from the students, faculty, alumni, industry experts and other public domains etc. in a proper manner and regular basis periodically. The departmental head of each department collects the feedback from the students through the faculty members and then submit it to the faculty deans for further processing. The dean then outlines the filtered outputs and marks it to the academic council for the necessary steps after discussion in the board of studies. In the next step, the vice-chancellor takes the fixed decision for the feedback results so obtained and also the faculty and industry feedbacks are taken by the vice-chancellor department wise. The suggestions and comments collected from the feedback are placed before all and every academic member of the University for Better Consideration. The feedback system of the university closely monitors the execution of the formal mechanism designed for collection of feedback on curriculum.

1.4.2. Does the University elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods such as conducting webinars, workshops, online discussions, etc. and its impact.

No, the university has yet not adopted method of securing feedback on its curriculum from any national and international faculty.

1.4.3. Specify the mechanism through which affiliated institutions give feedback on curriculum enrichment and the extent to which it is made use of.

Not applicable.

1.4.4. What are the quality sustenance and quality enhancement measures undertaken by the University in ensuring the effective development of the curricula?

The university (CVRU) has been initiating several quality enhancement measures and programmes for the quality sustenance in effective development of its curriculum. Few of which are shown below:

- Interaction for curriculum design/development and research with all the faculties according to the top-priority to industry-academia.
- Periodical revision of the existing syllabi at least once in every department.
- Organizing guest lectures and symposiums by inviting to executives, industrialists and academicians.
- Strengthening students support services in general and the placement mode particularly to improve employability of the

students.

- Conduction personality development programmes to execute and promote interview skills and gestures.
- Organizing interactive communicative English classes to enhance the language skills based on advanced technological software modules through language lab 'K-van solutions multimedia language lab'.
- Offering programmes on values and moral ethics along-with sports, inter-university and intra-university tournaments, NSS, yearly participation in all India youth festivals of AIU, quiz competition, extracurricular activities and other cultural programmes to imbibe moral values and mould the students as responsible citizens.

Criterion-II

Teaching - Learning & Evaluation

CRITERION – II: TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 How does the University ensure publicity and transparency in the admission process?

The university announces admission to its various courses mostly in the month of March & April for its forthcoming academic session through the following processing steps: -

- Admission notification by advertisements in the print media as well as uploading the information in the university website (www.cvru.ac.in).
- Furnishing its detailed information in the university prospectus, admission guideline and also in the local, national & international media using various electronic media.
- The research oriented courses of the university includes its own university entrance examination entitled as CVRU entrance for M.Phil/Ph.D.
- Prior to the admission procedure the campaigning is done by several methodologies which includes organising education fair, science fair, talent search examination, +2 & YOU (Plus two and you) as well as banner, poster, pamphlets, brochures.
- For rest of the courses the university selects the merit list regarding the admission through the application forms obtained applied to its various other courses both in UG & PG level.
- Transparency is ensured in all admission process by means of : -
    i). Appointment of senior most professors to prepare merit list of candidates pertaining admission to the respective courses.

    ii). A team of experts consisting of senior teachers of the relevant discipline each constituted by Vice Chancellor to evaluate and assess the performance of the appeared candidates to avoid any kind of objection or mismanagement.

    iii). The list of the meritorious candidates so prepared is displayed in the departmental notice board of the university campus.

2.1.2 Explain in detail the process of admission put in place by the University. List the criteria for admission: (e.g. : (i) merit, (ii) merit with entrance test, (iii) merit, entrance test and interview, (iv) common entrance test conducted by state agencies and national agencies (v) other criteria followed by the University (please specify).

Most of the selected courses of the university comprises of the entrance test examination in which some courses involve the entrance procedure by state government entrance exam mode such as, B.Ed. through state pre B.Ed. entrance examination followed by state govt. online counselling. The courses of diploma, degree and Master of Engineering & Technology (Poly, BE & M.Tech.) for its various branches follow PPT, PET, JEE & GATE online counselling. Similarly the course of MBA involves the entrance examination through CAT/MAT.

2.1.3 Provide details of admission process in the affiliated colleges and the University's role in monitoring the same.

Not applicable, as University has no affiliated college.

2.1.4 Does the University have a mechanism to review its admission process and student profile annually? If yes, what is the outcome of such an analysis and how has it contributed to the improvement of the process?

The university definitely follows the mechanism for complete monitoring and reviewing of the student profile for its departmental admission process. The BOS recommends the intake of the students with respect to their academic profile for further processing through the academic council and the admission committee. After this to put forward the transparency and responsiveness in a greater mode the university further decides to pertain the feedback deliberately by the academic council and admission committee.

Beside the annual income of the parents the university also reviews and verifies the application form on the basis of various other criteria such as: gender, cast, domicile, linguistic, judicial and legal aspect and documentation is done as guided by the university governing body and respective regulatory bodies.

2.1.5 What are the strategies adopted to increase/improve access for students belonging to the following categories:

- **SC/ST & OBC:** The University offers admission to the candidates from all over the country and abroad without any discrimination of caste, creed, religion and sex. However, as per University rules, some seats in all courses, except a few, are filled through the nomination from the candidates belonging to the special categories including SC/ ST and OBC in order of merit within the category.

- **Women:** To promote the education of women some seats are earmarked in few courses at UG/PG and diploma level. We also offer hostel facilities for the female students.
- **Persons with varied disabilities**: As per UGC rules, 03% of the intake of the seats are reserved for Physically Challenged persons in various Courses as indicated in our Guidelines to Admissions, except a few are reserved.
- **Economically weaker sections:** The Fee Structure of the University has been designed in such a way that gives accessibility to candidates from economically weaker sections. Besides this certain concession are given in the Tuition Fee to the candidates belonging to weaker sections by the Dean Students' Welfare and a number of scholarships are also provided.
- **Outstanding achievers in sports and other extracurricular activities:** A number of seats are earmarked for admission to the Outstanding Sportspersons/Debaters/NCC Cadets in various courses as per university criteria

2.1.6 Number of students admitted in University Departments in the last four academic years.

Categories	Year (2011-12)		Year (2012-13)		Year (2013-14)		Year (2014-15)	
	M	F	M	F	M	F	M	F
SC	349	139	408	156	516	193	506	184
ST	321	127	345	121	418	163	410	151
OBC	550	223	767	321	1105	394	1156	410
General	632	354	1035	514	1412	551	1494	562
Others	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Total	1852	843	2555	1112	3451	1301	3566	1307

2.1.7 Has the University conducted any analysis of demand ratio for the various programmes of the University Departments and affiliated colleges? If so, highlight the significant trends explaining the reasons for increase/decrease.

UG programme is decreasing and is on gradual decline as compared to PG programme which is going on rising day by day. Further the research oriented courses like M.Phil. and Ph.D. signifies positive demand ratio with response in equilibrium.

SN	NAME OF COURSE	NO. OF APPLICATION				NO. OF STUDENTS ADMITTED				DEMAND RATIO			
		2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014
1	**UG**	806	1405	1466	1082	675	1093	1052	844	83.75	77.79	71.76	78.00
2	**PG**	579	723	803	879	393	564	582	627	67.88	78.01	72.48	71.33
3	**Integrated Masters**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4	**M.Phil.**	402	433	521	452	240	151	290	234	59.70	34.87	55.66	51.77
5	**Ph.D.**	NA	577	622	NA	197	185	NA	NA	NA	32.06	29.74	NA
6	**Integrated Ph.D.**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7	**Certificate**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8	**Diploma**	70	88	208	306	60	60	180	248	85.71	68.18	86.54	81.05
9	**PG Diploma**	77	86	231	249	60	60	138	159	77.92	69.77	59.74	63.86

2.1.8 Were any programmes discontinued/staggered by the University in the last four years? If yes, please specify the reasons.

No

2.2. Catering to Student Diversity

2.2.1 Does the University organize orientation/induction programme for freshers? If yes, give details such as the duration, issues covered, experts involved and mechanism for using the feedback in subsequent years.

The university organizes induction programme annually in a regular mode for the students of each and every discipline where the esteem authorities of the university : - Vice Chancellor, Pro-Vice Chancellor, DSW, Dean, Faculty, & Head of the individual departments interact with the new comers and are made aware about the facilities and functions of the university system. On the same occasion the university invites the experienced academicians from the different educational fields to provide significant information, suggestions and motivation regarding the required essential of the students. The prime objective of the august presence of these experts is to deliver the gradual information about the university culture, discipline, code of conduct, facilities and amenities availed by the university for its students.

2.2.2 Does the University have a mechanism through which the “differential requirements of the student population? Are analysed

after admission and before the commencement of classes? If so, how are the key issues identified and addressed?

Admissions to CVRU is given on the basis of merit list. However the information pertaining to the differential requirement of the students' population on the basis of cast, religion, gender, tribe and region are solicited in the admission prospectus supported with the required necessary documents.

During the post admission period the students with low competence level and low IQ level in computer awareness and language proficiency etc. are guided by the extra supporting skill-based programme in their department. Students from the unprivileged poor financial background are provided with the facility of fee relaxation in some cases. The tribal background students are made available with the facility of scholarship as per the government norms/rules/criteria.

2.2.3 Does the University offer bridge/remedial/add-on courses? If yes, how are they structured into the time table? Give details of the courses offered, Department-wise/Faculty-wise?

No.

2.2.4 Has the University conducted any study on the academic growth of students from disadvantaged sections of society, economically disadvantaged, physically handicapped, slow learners, etc.? If yes, what are the main findings?

On a continuous basis, informally a need based guidance is given at the department level to the students belonging to disadvantaged section of the society with economically, physically, mentally poor learners from all faculties to ensure their academic growth. In the university level the training and placement cell (TPO) assist these student to procure skill oriented activities such as : GD, motivational lectures, PD programmes, interview skills etc. indirectly helping them for the further opportunities regarding job. Beside this the well facilitated central library of the university helps these students by providing required study material, hardware, software and proper internet facilities thereby enhancing their academic growth.

2.2.5 How does the University identify and respond to the learning needs of advanced learners?

The learning needs of advanced learners are identified and responded to, by the teachers in their classroom situations and they are taken care of in tutorial classes. Generally for a better learning, they are given topics and tasks with higher difficulty level as compared to the slow learners. They are facilitated with an enriched experience through their participation in the different elected bodies of the University, organizing-committees for seminars & conferences, editorial boards of students' magazines of the University. There are provisions for undertaking projects and initiating autonomous academic activities for the advanced learners.

2.3 Teaching-Learning Process

2.3.1 How does the University plan and organise the teaching, learning and evaluation schedules (academic calendar, teaching plan, evaluation blue print, etc.)?

The University plans the teaching, learning & evaluation schemes in the following manner:

- ➢ Before the commencement of new academic session, each department helps the meeting of all the faculty members at the board of studies (BOS) level and carefully plans the teaching learning & evaluation schedules as well as required necessary modifications on the basis of teaching plan submitted by the teachers to their respective departments and thereafter sends it to the academic council for further approval. For the effective preparation of teaching learning process & evaluation schedules the meeting of the academic council is organised as second necessary step headed by Vice chancellor and the consultation of the departmental heads, deans & members for better recommendation is also required and taken on.
- ➢ The academic council also decides & prepares the University Academic calendar for all its courses, evaluation system & activities. The academic calendar so prepared according to the semester wise activities annually is circulated throughout the university and also placed in the university website.

2.3.2 Does the University provide course outlines and course schedules prior to the commencement of the academic session? If yes, how is the effectiveness of the process ensured?

Before the commencement of the each semester of the students, the university provides course outlines and course schedule both to students & teachers. The effectiveness of the process is monitored by the head of the department and is ensured through periodic assessment, class test, mid semester examination etc.

2.3.3 Does the University face any challenge in completing the curriculum within the stipulated time frame and calendar? If yes, elaborate on the challenges encountered and the institutional measures to overcome these.

As each department of the university strictly follows the academic calendar and university schedule, so the university mostly does not face any kind of challenges, obstacle or hindrance in completing the curriculum within the stipulated time frame & calendar. However, in certain cases when the university undergoes through some of its academic activities or curriculum incompletion due to some unavoidable circumstances with the scheduled time, then it overcomes it by arranging some extra remedial classes and programmes.

2.3.4 How learning is made student-centric? Give a list of participatory learning activities adopted by the faculty that contributes to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.

To make the study and learning student centric the university performs various activities as its basic philosophy towards student welfare. Different faculties adopt suitable teaching and learning methodologies to involve students and to facilitate participative learning. The faculties of science and Technology predominantly involve the students in their laboratory for practicals as an experiential learning. Most of the courses require field visits to have exposure to realistic domains. The students are involved in their project assignments with various industries. Hands-on-Training in instrumentation, computing and search tools are given to the students to enhance their innovative and interactive grip. The way of project based learning is promoted through which students get the maximum, exposure and freedom to improvise themselves, while displaying their multiple skills. Students are made active by providing them with a platform of competitive environment for inter university and intra university competitions in various student-centric activities study and sports & also extra-curricular activities of different fields through which students get their space to hone their talents and vent out their creativity. The institute of Law conducts the moot courts regularly to facilitate improved student learning. The other faculties of the university involve the students in field surveys, study tours etc. The faculty of commerce and Management gains the hands in experience for students during the internship. The faculty of Engineering & Technology involves the students in industrial experiences etc. All the programmes in every faculty contain student presentations, seminars, group discussions and assignment as a common perspective. The use of ICT in teaching-learning and use of the University Community Radio i.e. Radio Raman 90.4 further strengthens of the teaching-learning process in CVRU is to develop skills and competencies among the students to make them self-independent.

2.3.5 What is the University's policy on inviting experts / people of eminence to deliver lectures and/or organize seminars for students?

For the research & PG students each department has an internal procedure in which the department invites eminent professors, scientist, public speakers and experts from different disciplines on specific issues individually. Discussion/lectures are then held as pen the need of the students. Endorsement lectures are arranged in the different subject periodically for the purpose to encourage the department and its students. All the academic department are encouraged to invite the people of eminen from different field and decide to organise seminar, conference, workshop, symposium etc. simultaneously. There is a provision in the university to appoint the visiting fellows for the department who will deliver the expert lecture to the students. Successful Alumni visiting the department are also requested to delivered some lectures during their visit.

2.3.6 Does the University formally encourage blended learning by using e-learning resources?

The CVRU has a online database of e-resources like adequate web resources on all the courses of study are available in the university and the CVRU encourages blended teaching and learning. In addition, students are also provided e-books, NPTEL learning soft copies. Teacher enjoys autonomy in their teaching methodologies through which they improvise to blende – learning resources. Students are also encourage to adopt the e-learning resources of learning in their presentations, dissertations and research work through uninterrupted use of Wifi facility in the campus.

2.3.7 What are the technologies and facilities such as virtual laboratories, e-learning, open educational resources and mobile education used by the faculty for effective teaching?

CVRU contains a big electronic database available through the connection of LAN on the campus through which an e-learning resources and the teachers have unique opportunities for device innovative method of teaching. The following facilities help the students and the faculty in their technological aspects to keep space with the recent development : -

- Electronic learning facilities with NPTEL programme.

- Internet based resources collection.
- EDUSAT programme.
- Access to e-book & Journals.
- ICT based interactive teaching learning using protections.

2.3.8 Is there any designated group among the faculty to monitor the trends and issues regarding developments in Open Source Community and integrate its benefits in the University's educational processes?

To monitor the trends and issues regarding the contemporary developments in the relevant disciplines, the CVRU designate of special group at the university level. The Academic Council involves the participation of industry experts other academic experts and discusses the new trends and needed changes in the academic programmes to integrate the benefits of the development in open source community towards the University's educational processes. The Board of studies acts as the responsible body to monitor the advanced trends and modern issues on the subjects in its jurisdiction at the departmental level. The University research committee at the departmental level is also responsible to monitor the issues related to contemporary research. This forum organizes special lectures frequently to deliberate on new research trends. The special group of senior faculties, professors and faculty Deans at the University from each department is designated to monitor the issues regarding the University's education processes.

2.3.9 What steps has the University taken to orient traditional classrooms into 24x7 learning places?

The following major steps has been taken by the university to orient traditional classrooms into 24*7 learning places.

- Provides uninterrupted wi-fi networking facilities throughout its campus and online e-resources are accessible to the students.
- Library remains open to the maximum duration of a day (18 hours) to facilitate student's need.
- Laboratories & research facilities are available all time for the students.
- The students get communicated with their teacher through online system about assignment & tasks.

2.3.10 Is there a provision for the services of counsellors/mentors/ advisors for each class or group of students for academic, personal and psycho-social guidance? If yes, give details of the process and the number of students who have benefitted?

In each department the students are divided into small groups consisting of 6 in each group which is attached to a teacher counsellor in the very beginning of the academic session. This helps in promoting close and gradual interaction among the students & the teachers. A record of the counselling activities carried out by the teacher counsellors in guiding the students to solve their academic & personal problems is maintained throughout. CVRU has invited Puri Shankaracharya, Chetan Bhagat, Dr. Ujjwal Patni the motivational speaker & international pilot trainer to create a value added value based curriculum of life and enhance reading and learning skills of students. It also creates a leadership model where every students stands for something that is bigger than them. In this programme maximum students of the university get benefited. Each department has a committee comprising teachers & students representatives for counselling the students against ragging etc. the students received academic guidance as well as socio-cultural guidance about the campus from prominent professors of the university.

2.3.11 Were any innovative teaching approaches/methods/ practices adopted/put to use by the faculty during the last four years? If yes, did they improve learning? What were the methods used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?

- Considerably, most of the departments in academic, have improved their infrastructure incorporating state of- art Conference rooms, seminar Halls, with presentation facilities, e- classrooms etc. to provide latest technological exposure to the students.
- 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 modem teaching aids are actively incorporated in the teaching- learning process of the university in each faculty.
- Various technological workshops such as “Robotics” “Industrial Automation” etc. are arranged for the students to improve their innovative pedagogical skills.
- Through these innovative approaches/ practices, students have provided positive feedback within last four years, as well as from the very beginning.

2.3.12 How does the University create a culture of instilling and nurturing creativity and scientific temper among the learners?

CVRU has an established culture of nurturing creativity and scientific temper among the learners, in which some activities are up regularly for the required specific purpose.

- Both intra- University and inter- University Competitions and exhibitions are conducted periodically relating to the scientific as well as cultural events.
- As the University is a member of AIU (Association of Indian University), it promotes the compulsory participation of its students in the AIU- youth festival with various musical, cultural fine arts, and literary events at CVRU inspiring the students for getting their platform and achievement towards national & International levels.
- The successful scientists of National & International repute are incited to the University to deliver the expert lecture with frequent & regular interaction with the students promoting scientific temper & Flavour.
- All the individual departments organize various scientific programmes and conduct seminars, symposia, workshops etc. separately in which the students get the opportunity to present their papers (oral/poster) and the prizes & awards are arranged for the best students according to their performances.
- Students themselves organize the science festivals, science exhibitions, science contests and other competitive meets at their own level in their respective departments.

2.3.13 Does the University consider student projects mandatory in the learning programme? If yes, for how many programmes have they been (percentage of total) made mandatory?

Yes of course the university consider the student projects mandatory in most of its learning programmes 100% of PG as well as research programmes are having the student project mandatory in their curriculums, whereas the UG level includes submission of the students projects as a part of their degree programme in the pre-final year as well as the final year for all the department of the faculties.

2.3.14 Does the University have a well-qualified pool of human resource to meet the requirements of the curriculum? If there is a shortfall, how is it supplemented?

Presently there is no short fall of human resources to meet the requirements staff profile & the evaluative reports of each department in the qualifications, expertise, experience, achievements and eligibility which are evident enough in this regard to have a well-qualified pool of human resources.

2.3.15 How are the faculty enabled to prepare computer-aided teaching/learning materials? What are the facilities available in the University for such efforts?

All the faculty members of CVRU are well versed with the computer aided teaching as most of the department in the university have state-of-art computer lab. All the faculty are provided with laptop and sophisticated ICT facilities. The internet connectivity have also been extended to the classrooms and laboratories with full wi-fi campus. All the teachers have an internet access to e-resources of the central library.

2.3.16 Does the University have a mechanism for the evaluation of teachers by the students/alumni? If yes, how is the evaluation feedback used to improve the quality of the teaching-learning process?

Recently the university has developed a formal mechanism for obtaining feedback from the students as well as alumni about the teachers by using feedback form and through other technological mechanism etc.

2.4 Teacher Quality

CVRU follow the guidelines laid by the UGC and MHRD from time to time to meet the requirements of the curriculum.

2.4.1 How does the University plan and manage its human resources to meet the changing requirements of the curriculum?

The university has several provisions to facilitate for the upgradation of knowledge and benefit of the higher education pursuit to meet the changing needs of the curriculum such as:

- Good wording conditions and better facilities for the teacher autonomy.
- Organizing frequent workshops and teacher training program.
- Study leave to the faculty members for development of academic persuit.
- Faculties are encouraged for participation in orientation and refresher courses.
- Faculties are inspired and permitted to attend National & international conferences, seminars and workshops.

- Organizing interdisciplinary faculty meets periodically
- Inviting experts to interact with the faculties.

2.4.2 Furnish details of the faculty:

Highest Qualification	Professors		Associate Professors		Assistant Professors		Total
	Male	Female	Male	Female	Male	Femal	
Permanent Teachers							
D.Sc./D.Litt	0	0	0	0	0	0	
Ph.D	6	0	5	1	6	17	35
M.Phil.	0	0	0	0	21	22	43
PG	0	0	0	0	63	36	99
UG	0	0	0	0	16	11	27
Total Permanent	6	0	5	1	106	86	**204**
Part Time Teachers							
D.Sc./D.Litt	0	0	0	0	0	0	0
Ph.D	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0
PG	0	0	0	0	2	7	9
UG	0	0	0	0	5	0	5
Total part Time	0	0	0	0	7	7	**14**

2.4.3 Does the University encourage diversity in its faculty recruitment? Provide the following details (Department / school-wise).

The faculty requirement is done as per the state Government and University rules and regulations. The applications are invited from national level for the faculty recruitment.

S.No	Department	% of Faculty from the same University	% of Faculty from the University within state	% of Faculty Pass From the out of State	% of The Faculty From the out of Country
1	Civil Engineering	18.50%	63%67	18.50%	NIL
2	Mechanical Engineering	0	62.50%	31.35%	NIL
3	Electrical And Electronics Engineering	33%	50%	17%	NIL
4	Electrical Engineering	0	80%	20%	NIL
5	Electrical and Communication Engineering	60%	40%	0	NIL

6	Computer Science And Information Technology Engineering	8%	25%	67%	NIL
7	Physics	0	71%	28.57	NIL
8	Chemistry	60%	20%	20%	NIL
9	Mathematics	37.50%	37.50%	25%	NIL
10	Life Science	17%	66%	17%	NIL
11	Education	57.14%	28.57%	14.28%	NIL
12	Commerce	42.65%	42.65%	14.28%	NIL
13	Management	23.07%	61.53	15.38%	NIL
14	Information Technology	36.36%	54.54%	9.09%	NIL
15	Law			100%	NIL
16	Physical Education		100%		NIL
17	Hindi		100%		NIL
18	English	20%	60%		NIL
19	Sanskrit	50%		50%	NIL
20	Geography	33.33%	66.66%		NIL
21	Economics	50%		50%	NIL
22	Political Science	50%	50%		NIL
23	Social Work		100%		NIL
24	History		50%	50%	NIL
25	Library Science	67%	33%		NIL
26	Journalism & Mass Communication		100%		NIL

2.4.4 How does the University ensure that qualified faculty is appointed for new programmes/emerging areas of study (Bio-technology, Bio-informatics, Material Science, Nanotechnology, Comparative Media Studies, Diaspora Studies, Forensic Computing, Educational Leadership, etc.)? How many faculty members were appointed to teach new programmes during the last four years?

CVRU follows recruitment procedures stipulated by the UGC and the rules laid down by the Government of Chhattisgarh. The university encourages and makes all the efforts and provisions to appoint qualified faculties in the emerging and existing areas as well as in other conventional programmes. The vacant positions are advertised widely in all the leading newspapers, employment news and through the University website.

Applications are sought from all parts of the country to ensure the quality of teachers at the entrance level. Selection committees are constituted and selection is done purely based on merit, academic qualifications, experience and performance in the interview. A through screening of the documents and claims made by the applicant is undertaken by the selection committee of University.

2.4.5 **How many Emeritus/Adjunct Faculty/Visiting Professors are on the rolls of the University?**

Emeritus Professors: 2

Adjunct Faculty: Nil

Visiting Professors: 112

2.4.6 **What policies/systems are in place to academically recharge and rejuvenate teachers (*e.g.* providing research grants, study leave, nomination to national/ international conferences /seminars, in-service training, organizing national /international conferences etc.)?**

- The senior faculty members are encouraged and granted on duty leave (OD) to serve as visiting scientists and visiting professors in different organizations.
- The faculty members are deputed to present research papers in various conferences and seminars at National, International and state levels regularly.
- The University provides travel grant to the faculties to attend international meetings.
- The University encourages younger faculty to apply for the higher courses such as M.Phil., Ph.D. etc.
- In service training and faculty improvement programmes are offered by the University in the departments within the campus.
- The faculty members are encouraged and deputed to attend various workshops, orientation and refresher courses on the leave sanctioned by the University.
- The University provides seed money to enhance the academic quality and research of the faculty.

2.4.7 **How many faculty received awards/recognitions for excellence in teaching at the state, national and international level during the last four years?**

From the last four years for excellence in teaching, the Professor of the Department of Education, Dr. P.K.Naik has been recognised as a visiting fellow for lectures in various refresher courses and orientation courses arranged by the Academic Staff College (ASC) in Guru Ghasidas Central University Bilaspur (GGV Bilaspur) sponsored by UGC-MHRD.

2.4.8 How many faculty underwent staff development programmes during the last four years (add any other programme if necessary)? (2011-2015)

During the last four years, only two (2) faculties underwent the staff development programmes under the Academic staff college for their academic development.

Name of Academic staff Development Programme	No. of Faculty	Name of Faculty	Duration/ Schedule	Venue & Topic Covered	Department
Refresher Course	1+1	Jayati Chatterjee Mitra	1st May to 21st May 2015 (18 days	Chemistry & Chemical Technology at Central University Bilaspur (GGU)	Chemistry
		Ms. Manisha Koushalesh	2014	Rani Durgawati	Education

2.4.9 What percentage of the faculty has been invited as resource persons in Workshops/ Seminars/ Conferences organized by external professional agencies? Participated in external Workshops/Seminars/Conferences recognized by national/ international professional bodies? Presented papers in Workshops/Seminars/Conferences conducted or recognized by professional agencies? Teaching experience in other universities/national institutions and other institutions? Industrial engagement? Consultancy for industries and government agencies, conduct short term program for staff of industries. International experience in teaching?

Please refer Evaluative Report of Department for details.

2.4.10 How often does the University organize academic development programmes (*e.g.*: curriculum development, teaching-learning methods, examination reforms, content/ knowledge management, etc.) for its faculty aimed at enriching the teaching-learning process?

Aiming at enriching the teaching learning process of the faculties, the university organizes periodical programmes regularly as per the requirement inviting academicians encouraged to participate in it. The different types of academic enrichment programmes and course organized by the university in varying nature are aimed at imparting the teacher- participants with specific subject knowledge, orientation of nation building goals and establishing the linkage between society and higher education through overall development of the teachers by keeping abreast with latest techniques in pedagogy and research.

2.4.11 Does the University have a mechanism to encourage Mobility of faculty between universities for teaching? Faculty exchange programmes with national & international bodies? If yes, how have these schemes helped in enriching the quality of the faculty?

The university does not have such kind of mechanism particularly, but the faculties of CVRU are encouraged to go on deputation to other Universities, National or International bodies to explore their skill for better enhancement of teaching experience. These programmes and this kind of motivation enrich the quality of teaching in the University with an exposure of teachers to different environments.

2.5 Evaluation Process and Reforms

2.5.1. How does the University ensure that all the stakeholders are aware of the evaluation processes that are in place?

The detailed scheme of instruction, examination & evaluation pattern and syllabi are available for all the course at the university campus. Complete ordinances (Academic) and regulation are available on the University website and evaluation process related notices are regularly issued & displayed for the wide publicity ot the concerned department /faculty /students. Further, the students are briefed by the departmental heads regarding the examination pattern, distribution of marks and methods of evaluation pattern, distribution of marks and methods of evaluation in the beginning of the academic year itself. Detailed information of evaluation process is posted on the university website and stakeholders are provided the opportunity to know the process, get aware of the complete procedures & get their clarifications. The students are made aware of the procedures as the total performance within a semester and the continuous performance from the second semester onwards is indicated Grade point Average (GPA), cumulative grade point average (CGPA) and over all weighted percentage marks (OWPM) respectively. Hence, CGPA & OWPM are the real instructors of the students' performance.

2.5.2. What are the important examination reforms initiated by the University and to what extent have they been implemented University Departments and affiliated colleges? Cite a few examples which have positively impacted the examination management system?

- Examination answer scripts have been modernized with a confidential code so as to eliminate any chance of suspicion or unfair means.
- Introduced choice based credit system for both UG & PG courses and other professional courses.
- Introduced various job-oriented professional courses with advanced examination pattern.
- Continuous evaluation process.
- Result of most of the course gets computerized.
- Examination forms are made available in the CVRU website.
- Results of most of the course are computerized.

2.5.3. What is the average time taken by the University for Declaration of examination results? In case of delay, what measures have been taken to address them? Indicate the mode / media adopted by the University for the Publication of examination results (e.g. website, SMS, email, etc.).

The average time taken by the University for Declaration of examination results for its various programmes is as follows:

- UG courses – 30 days
- PG courses – 45 days
- Diploma Courses – 25 days
- Professional courses & research programmes – 30 days

University declare results through departmental Notice Boards. A copy of Result Sheet (TR) is also available in the concerned Department so students may easily see their results.

Results are displayed on notice board.

2.5.4. How does the University ensure transparency in the evaluation

process? What are the rigorous features introduced by the University to ensure confidentiality?

To ensure transparency in the evaluation process, the revaluation of the answer booklets are open for all in each subject paper of the course in case of any kind of grievance from the examinee also, the students are given an opportunity to apply for recounting if they are not satisfied with the results. The photocopy of the answer booklet is also provided on request for verification through RTI. Some of the rigorous feature introduced and adopted by the University in its evaluation process to ensure the confidentiality are mentioned below. The University receives the answer scripts from the centre in a sealed bundle.

- Examiners are recommended by the Board of Exam (BoE) of the concerned departments for the central evaluation.
- Confidentiality is maintained throughout the system and the process very strictly.
- Confidential coding of the answer booklets are being done in all the course subjects thoroughly maintaining the academic standard and confidential status.
- The coded answer sheets are sent for evaluation to the spot chief examiner.
- The foils and counter foils of the coded answer booklets are filled and sealed separately under the strict supervision of the Dean of examinations in the confidential section of the University.

2.5.5. Does the University have an integrated examination platform for the following processes?

The University has its own examination platform for the complete examination process with a full-fledged office of the controller and the superintendent of the examination as the “Exam control room” with a proper arrangement and establishment of the exam process to be carried out smoothly by the sufficient number of exam control room staffs.

- *Pre-examination processes* – Initially the notice is circulated for the exam form fill-up. The list of students who filled the exam form is prepared and registered. The next steps in the pre examination process are processed in a sequence as preparation of exam time –table subject wise and faculty wise, generation of OMR sheets, OMR student list generation, preparation of sitting plan and sitting arrangement, roll number generation and roll – list display, assigning work confidentially for question paper preparation, squads and invigilators duty appointment, attendance sheet preparation, admit card gateway etc.

- *Examination process* – Examination material management, attestation form preparation and distribution, logistics etc. The University has its own in house facilities for typing, printing and copying etc. All the work and activities related to the examination material is being done in the exam office confidentially maintaining extremely tight security under the supervision of the AR-Exam. The examination materials such as answer booklets, question papers, attendance sheets etc. are delivered to the exam control room within the campus and are thereafter collected under security with confidentiality by the control room university staff members.
- *Post-examination process* – Attendance capture, answer-booklet coding and evaluation, OMR based exam result, TR auto processing, generic result processing, mark sheet distribution & certification, etc. The processing of the result is done using the software available in the examination department which also enables the processing of the mark sheets and certificates, the results are notified within the stipulated time on the individual notice boards of the departments. Certification of the degrees are done as and when the candidates apply for it.

2.5.6. Has the University introduced any reforms in its Ph.D. evaluation process?

The University has adopted the UGC Regulations of 2009 on M.Phil. and Ph.D. programmes as per the norms which expects the research scholars to go for necessary publication of research papers and other requirements before the final submission of the thesis. The University strictly adopted the UGC guidelines and follows it with respect to admission, examination and evaluation of its Ph.D. degree progamme and has amended its rules as follows:

- The Ph.D. programme Notification (1st step)
- Eligible form submission (2nd step)
- Entrance examination (3rd step)
- Interview of passed candidates (4th step)
- Admission of Interview selected candidates (5th step)
- Commencement of Course Work (6th step)
    - A brief Review of Literature
    - Research Methodology
- Course Work Examination and Result (7th step)
- RDC (Synopsis Presentation) (8th step)
- Six- monthly Progress Report Submission (9th step)

- Summary Presentation of the Work/ Investigation (10th step)
- Thesis submission (11th step)
- Thesis Evaluation after receiving two reports of positive attitude & expert Comments (12th step)
- Conducting Open-Viva Voce Examination (13th step)
- Notification for the Award of the Degree (14th step)
- After award of the degree the soft copy of the thesis is uploaded on the Shodhganga website as per the UGC norms and instructions (15th step)

2.5.7. Has the University created any provision for including the name of the college in the degree certificate?

Not Application (NA) as CVRU has no affiliated colleges.

2.5.8. What is the mechanism for redressal of grievances with reference to examinations?

The Controller of Examinations is the officer responsible for addressing the grievances of the Students with reference to examinations, Taking support from the dean of UG, PG and professional examinations as well as the coordinator for revaluation of the answer sheets. The students are given an opportunity to register their grievances within 30 days after the declaration of the results. Thus, the following mechanisms Takes place awarding to the University provisions in its Academic structure (ordinances) for the redressed of grievances with reference to examination:

- Students can seek recounting or revaluation of their Answer sheets
- Students may obtain and seek the photocopy of his/her answer booklet under the scheme of RTI
- Re-totaling and Re-checking of the students copy through special permission of the Vice-chancellor on the request of a student:

2.5.9. What efforts have been made by the University to streamline the operations at the Office of the Controller of Examinations? Mention any significant efforts which have improved the process and functioning of the examination division/section.

- All examinations of the University (except the entrance examinations) shall conducted through internal assessment by the concerned faculty member's
- The format and the Timing of Continuous assessment shall be decided by the concerned faculty members and the end - semester examinations format and timing shall be decided by the Controller of the

examination Board in a commonly agreed Time frame within the Semester.

- Examination Forms shall be made available on the University website.
- Computerization of the results is to be implemented
- Extensive web based Technologies is to be introduced for the ease of access to the applicants to know the exam pattern.
- Digitalization & digitization of the student’s exam registration as well as results is under process.
- Examination copies shall be made Tamper proof.
- New Counter Processing for the collection and proper distribution of the enrolment/Registration Forms (Green Forms) is to be implemented.
- Online exam form submission, online exam schedule Time-Table display and online result declaration are yet to be implemented.
- The University has initiated computerization of the exam official process in the controller of examination office and the data management system has improved significantly through complete computerization and also the grievance settlement processes are also made simple.
- The Chief Teacher-Associates shall be made responsible for maintaining confidentiality of the processes to carry out smoothly.

2.6. Student Performance and Learning Outcomes.

2.6.1. Has the University articulated its graduate attributes? If so, how does it facilitate and monitor its implementation and outcome?

For each and every programme offered by the University, the graduate Attributes and clearly articulated. The curriculum at CVRU has a core knowledge based outline in their respective academic field enhanced by exposure to the cutting edge research and the process of discovery and knowledge generation, which will stimulate a lifelong thirst for knowledge and learning and encourage a pioneering, innovative and independent attitude. CVRU enables its students for a ready to work environment to work independently and sustainably in a way for curiosity and a desire to meet new challenges. CVRU maximizes the potential of its each and every student by utilizing their abilities, academic excellence and justifiable confidence, to take personal responsibility and grasp the opportunities for self-development. This potential is integrated by the University for the students through the graduate attributes such as Linguistic proficiency, Communication Skill, interview skill, knowledge based rich cultural value system, Scientific temperament, tolerance, Team work, and coexistence in the curriculum among the students inculcated through the academic curriculum and extra-curricular activities combined with life. While designing and developing the course structure and curriculum, these graduate attributes are also developed with planning and execution ensuring that they are properly addressed. The teaching plan, pedagogical methods and tools in the teaching learning process facilitates proper execution towards the graduate attributes. The outcome is assessed in the form of clarity of goal formulation feedback and expectation from the students, alumni, parents and employers. The successful placement of the students becomes the measurable indicator for assessing the outcome of clarity in graduate attributes.

2.6.2. Does the University have clearly stated learning outcomes for its academic programmes / Departments? If yes, details on how the students and staff are made aware of these?

While designing a course programme, The Board of studies clearly states the learning outcomes. The students and the faculty are communicated for the learning outcomes well in advance with the academic programmes to enable them to plan accordingly. To ensure that the outcomes of the program are met through the courses offered, Some mapping is done and some learning objectives are taught and reinforced throughout the curriculum such as communication skills including speaking and listening, skill, writing skills, Interpersonal skill, Computational skills, Entrepreneurship skills, Problem-solving skill, and multicultural awareness.

2.6.3 How are the University's teaching, learning and assessment strategies structured to facilitate the achievement of the intended learning outcomes?

To facilitate the achievement of the intended learning outcomes, the University Structured its teaching, learning and assessment strategies in the following manner:

- Proper planning of assignments, topics and assessments.
- Communicating objectives to the students in advance, allowing them to make informed static decisions before enrolling to monitor and direct their own learning objectives.
- Complete processing of structured semester system.
- Development of infrastructural facilities with respect to effective communication by providing language labs.
- Easy access to the students and faculty to e-learning resources
- Advanced class-room Teaching, self-learning scheme of students, group learning, experimentation, projects, field study, Group discussions and seminars, departmental subject presentation, debates, conducting academic event, participation in inter-University & intra-University competitions, sports music, cultural

activities etc. to achieve intended learning outcomes for student specific assessment.

- Regular class-tests, mid-term exam, and subjective feedback, sessionals etc., are also used to assess the general performance and progress of the students.

2.6.4 How does the University collect and analyse data on student learning outcomes and use it to overcome the barriers to learning?

Each and every academic department of the University plans and executes the academic programme activities of its own and analyses the data on student learning outcomes. The Head of the department collects the date on the student learning outcomes and the analytical report is placed before the departmental committee and staff Council for better assessment to develop plans for further improvement. If barriers to learning are identified, the academic bodies addresses them and verifies that no barrier should exist. If necessary, the department seeks the support of the central administrative office for facilitation of the infrastructural requirements and other needs to overcome the barriers in learning of students. For monitoring the student learning outcomes, the IQAC i.e., the Internal Quality Assurance Cell of the University also identifies the problems and impediments after a thorough analysis of the data given by the departments and subsequently corrective measures are taken by the University thereafter.

2.6.5 What are the new technologies deployed by the University in enhancing student learning and evaluation and how does it seek to meet fresh/future challenges?

The University has provided all the facilities and amenities which caters to the needs of all the students:

- Well-equipped library with e-library facility and access to e-books and journals.
- ICT-enabled classrooms.
- Well-equipped laboratories with modern & advanced Technologies.
- Wi-Fi Campus with all system internet facilities.
- Audio-Video teleconference systems.
- Multimedia based instructions.
- All laboratories and library are equipped with latest versions software
- Class rooms are set up with radio connectivity.
- Broadcast radio programmes, for students of the university and local community surrounding by the university, in different areas like

health, yoga, agriculture, science and technology, clean India, folk cultural and some entertainment.

- Set up solar energy system for power generation, and it is also useful for enhancing the knowledge of students in the area of renewable energy
- We established biogas plant for facilitating the laboratories
- Use of biometric and digital verification.

Criterion-III

Research, Consultancy & Extension

CRITERION – III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Does the University have a Research Committee to monitor and address issues related to research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.

The University definitely has a Research Committee for the promotion of research & to monitor all activities regarding research related issues in the University. The CVRU Research committee act as the apex Body and initiates the following responsibilities:

- Conducting entrance exam followed by interview of the candidate for selection of Research scholars.
- Monitoring the progress of Ph.D/M.Phil. students time to time at least in every 6 months, where the student has to deliver a presentation on the progress achieved so far for the work carried out.
- Inter disciplinary research is promoted and encouraged by providing wide opportunity throughout.
- Organizing course work and RDC for the work carried out under the respective research field and programme.
- Handling all the research related problem of the students.
- Acquiring the plagiarism software to scan the softcopy of the thesis and to identify the portious of copied information.
- The committee extensively guides the faculties to bring excellency and quality in research work for better output.
- The committee also recommends to publish significant research works carried out by the faculties and scholars in their respective fields through the CVRU research Journal (CRJ/Bharat Journal) published by the University.

3.1.2 What is the policy of the University to promote research in its affiliated/constituent colleges?

NA

3.1.3 What are the proactive mechanisms adopted by the University to facilitate the smooth implementation of research schemes/projects?

CVRU provides all the facilities for the smooth implementation of research schemes and the scholarships. The scholars are given all the required administrative support to do their research work more comfortable for timely completions. The University helps them to procure their essentials. Hence, the administration, finance section and the CVRU research committee completely supports the scholars according to their needs.

The Research committee of the University adopted the following proactive mechanism and takes care of:

- Providing funds for the purchase of equipment.
- Simplification of the procedures related to purchases made by the investigators.
- Autonomy to the Principal Investigator: for the utilization of infrastructural facilities for smooth conduction of the research work, the University has a policy of giving full autonomy to the principal investigator.

3.1.4 How is interdisciplinary research promoted?

The University undertakes interdisciplinary research involving departments within the University. In the departments so involved the supervisors and co-supervisors are provided from two different departments. The University follows a policy for promotion of interdisciplinary research which is being carried out by roofing the various advanced centres of research within the university campus, actively working on various specialized areas. These centres in the University facilitate interdisciplinary research with collaborative approach towards industries through research tie-up with them. The interdisciplinary research in the University is promoted by activity in the areas related to industry exploration.

3.1.5 Give details of workshops/training programmes/ sensitization programmes conducted by the University to promote a research culture on campus.

CVRU has organized various state level and National Level seminars/conferences/workshops/symposia and other training and sensitization programmes very frequently in a gradual manner. The detailed structure is given below:

Details of Seminars held in the university up to till date

S.No.	Topic of seminar	Date Of seminar organized
1	Challenges and opportunities in Teacher Education	08.11.2008
2	National Seminar on Vedic Gannit	27.02.2010

3	On Emerging Technologies and Practices in E-Governance	9th and 10th December 2010
4	Impact of Media in Global Marketing	27.11.2011
5	Vidhi Sakchrta Manavadhikar	11-Dec-11
6	Seminar on Communicating Skill A Gateway to the Global word	03.02.2012
7	2 Days Seminar on Role of University in Skill Development and Vocational Education	11.02.2012 to 12 02. 2012
8	Bone and orthopedic awareness	14.09.2014 to 15.09.2014

3.1.6 How does the University facilitate researchers of eminence to visit the campus as adjunct professors? What is the impact of such efforts on the research activities of the University?

The University invites researchers of eminence and by facilitating them organizes lectures, seminars, conferences and workshops in the campus for enhancing the research quality and knowledge. As an impact of such efforts in terms of knowledge, the University researchers and research culture gets a wide exposure. The effect of the visits of such eminent personalities is highly significant as is evident from the research output in terms of research paper and research project contribution undertaken by the university faculty members. So many eminent personalities with proven research competencies visit the University on invitation of various departments to deliver the endowment lectures. Here are the details furnished below:

S.No	Name	Designation & Address	Field
1	Prof. A.S.Zadgaonkar	Ex-VC CVRU Kota Bilaspur	Electrical Engg., Computer Science & Other Allied Subjects
2	Prof. Anupam Shukla	Prof. Dept. of Electronics IIITM Gandhinagar	Electronics
3	Prof. Deepak Shrivastava	Prof. Dept. of Management Nirma University Ahmadabad	Foreign Trade
4	Prof. D.R.Sahu	Associate Prof. Dept. of Mathematics Banaras Hindu University	Functional Analysis
5	Prof. Vidhyapati	Associate Prof. Dept. of Education Edwin Christian College Allahabad University	Education

6	Dr. R.L.Nikose	Research Methodology	Associate Professor P.P. College of Education Gondiya (M.H)

3.1.7 What percentage of the total budget is earmarked for research? Give details of heads of expenditure, financial allocation and actual utilization.

CVRU is a private University and as such the polar and non-polar budget covers various allocations i.e. for creating research infrastructure in the departments, purchase of Instruments, books, journals, chemicals, subscription to e-books and maintenance of research laboratories. The budget plan earmarks maximum percentage towards research. Depending upon the requirements of the faculty members and students to encourage research, the university marks extensive budgetary allocation for research work, travel grants for attending National/International seminars, conferences and workshops, organising national/international seminars/conferences/symposium in the university, visiting professors/fellows, faculty improvement, enhancing faculty resources, procurement of books/journals, equipment for laboratories and ICT facilities. Besides, allocation of Rs. 25 lacks is made every year for laboratory procurements like chemicals etc.

3.1.8 In its budget, does the University earmark funds for promoting research in its affiliated colleges? If yes, provide details.

NA

3.1.9 Does the University encourage research by awarding Post Doctoral Fellowships/Research Associateships? If yes, provide details like number of students registered, funding by the University and other sources.

The university does not award post-doctoral fellowship or research associate ship.

3.1.10 What percentage of faculty has utilized the sabbatical leave for pursuit of higher research in premier institutions within the country and abroad? How does the University monitor the output of these scholars?

The university strongly encourages its faculty to pursue higher education in various institutions within the country as well as within this campus of the university also. This provisions of providing sabbatical leave for these studies to the faculties is known to the university as “study leave” or “lien” etc. besides this, the university also encourages its faculties to undertake collaborative research studies etc. for the pursuit of excellence. Also the university encourages its faculties under the programmes of “Quality improvement programme” “faculty development programme etc. Thus, the University always encourage its faculties for enhancing the academic ability and monitors their achievements. The faculty avail their self of study leave for acquiring M.Phil., Ph.D. degrees etc. and enrich their academic performance with respect to their publications. The University maintains a policy to grant and sanction such study leave to the faculty member provide the teaching strength of the particular department should remain at least 70% to safeguard Continuity of teaching. In care of recertify and after taking care of teaching department, the University may sanction such leaves.

3.1.11 Provide details of national and international conferences organized by the University highlighting the names of eminent scientists/ scholars who participated in these events.

Details in this regard have been provided in Evaluative Report of the department.

3.2 Resource Mobilization for Research

3.2.1 What are the financial provisions made in the University budget for supporting students’ research projects?

There is no separate budget earmarked for this head but financial assistance is provided to the students for industrial visit, participating in seminars, workshops etc.

3.2.2 Has the University taken any special efforts to encourage its faculty to file for patents?

Yes the University had taken interest for the Faculties to file the Patent by conducting a workshop on the Topic by the experts. Entrepreneur Shri Abinav Shukla who had three Patents under his name on Heliostat, Dual Axis Solar Tracker for SPV and Vertical Axis Wind Turbine had conducted a seminar on “how to file a Patent”.

3.2.3 Provide the following details of ongoing research projects of faculty:

NA.

3.2.4 Does the University have any projects sponsored by the industry / corporate houses? If yes, give details such as the name of the project, funding agency and grants received.

No.

3.2.5 How many Departments of the University have been recognized for their research activities by national/ international agencies (UGC-SAP, CAS; Department with Potential for Excellence; DST-FIST; DBT, ICSSR, ICHR, ICPR, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthroughs achieved by this recognition.

No at present University Teaching Department does not have any project. However, University is striving to make viable policy for University International partnership in which international projects can be formulated.

3.2.6 List details of

a. **Research projects completed and grants received during the last four years (funded by National/International agencies).**
b. **Inter-institutional collaborative projects and grants received**
   (i) **All India collaboration**
   (ii) **International**

NA.

3.3 Research Facilities

3.3.1 What efforts have been made by the University to improve its infrastructure requirements to facilitate research? What strategies have been evolved to meet the needs of researchers in emerging disciplines?

To facilitate research in the University, several progress and improvements in the infrastructure have been made with the rooms and labs free from dust, aerosols, microbes, dirt, environmental pollutants, unwanted aids, garbages etc. The rooms are well equipped with advanced instrumentation facility, internet facility, uninterrupted power supply, air conditioning, fire safeguard/fire proof, accidental safeguard tec. CVRU also has its field units for field research.

- ➢ To facilitate research towards life science, recently a biotech – park and herbal medicinal gardens are developed within the university premises to involve and incorporate a high level research investigation in the field of biotechnology, microbiology, botany, tissue culture, horticulture, biomedicines, photo chemistry and biochemistry etc. and other emerging disciplines.
- ➢ The university has also built a significant centre of excellence

named as “CVRU central instrumentation laboratory” (CCIL) which is available in easy use by University staff members and research scholars. The CCIL contains various sophisticated equipment and upgraded existing equipment such as “Atomic absorption spectrophotometer” High resolution microscope, high speed centrifuge, UV – Vis spectrophotometer, water analyser kit, BOD-Incubator, laminar flow etc. to promote research in emerging areas.

- The university provides high band width connectivity and e-research facility and involves advanced and modern strategies for pursuing research by an emerging cutting edge technology to meet the needs of research in various disciplines.

3.3.2 Does the University have an Information Resource Centre to cater to the needs of researchers? If yes, provide details of the facility.

Yes of course, to cater to the needs of research, the university is having an information resource centre for which the facility is available in the CVRU central library. As an information resource centre, the university is an exclusively centralized library with INFLIBNET facility & well e-research facility with computer analyst and specialized software packages for the data analysis in the university e-library. The information are available for the students and faculties on a regular basis providing good connectivity, so that all can access as per their needs.

3.3.3 Does the University have a University Science Instrumentation Centre (USIC)? If yes, have the facilities been made available to research scholars? What is the funding allotted to USIC?

Yes, as already been mentioned before, the university has science instrumentation centre as a centre of excellence namely “CVRU central instrumentation laboratory” (CCIL) with excellent facilities for the research scholars enabling them for efficient scientific work and approach towards the field of science and technology. Separate budget is provided from the general fund to maintain and develop the central instrumentation lab.

3.3.4 Does the University provide residential facilities (with computer and internet facilities) for research scholars, post-doctoral fellows, research associates, summer fellows of various academies and visiting scientists (national/international)?

University has a Guest House for the residential facilities equipped with well computer aided and Wi-Fi facilities for research scholars and other visiting fellows. To cater to the other research forums organized in the departments, the internet facility is separately provided and made available in departmental library, hostels etc. through LAN.

3.3.5 Does the University have a specialized research centre/ workstation on-campus and off-campus to address the special challenges of research programmes?

There are no off-campus research centres. Each department has its own well equipped research laboratories in specialized areas.

3.3.6 Does the University have centres of national and international recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.

The university has its several research centres for most of its science and engineering faculties that focus on specific areas of research in the maximum departments of CVRU expanding and promoting research of national/international repute and recognition. The researchers from other laboratories also make an efficient use of most of the sophisticated and advanced instruments of the university laboratory in a very smooth manner as required.

3.4 Research Publications and Awards

3.4.1 Does the University publish any research journal(s)? If yes, indicate the composition of the editorial board, editorial policies and state whether it/they is/are listed in any international database.

The University centrally publishes “Bharat Journal of Technology, Science and Humanities” with their own editorial boards, which captures various issues pertaining to education, language, culture, literature etc.

S.No	Name of Journal/ISSN No.	Name of Editors	Designation and Institution
1	Bharat Journal of Science Technology & Humanities ISSN No.-2454-6151	Dr. P.K Naik	Professor, Department Of Education Dr. C V Raman University
2		Prof. Zoran Kadelberg	Department of Mathematics University of BELGRAD
3		Prof.Dr. A.S Zadgaonkar	Ex. Vice Chancellor Dr. C V Raman University Bilaspur (Chhattisgarh),India

4		Dr. Sharwan Kejariwal	Professor, Education JNU New Delhi
5		Prof. Deepak Shrivastava	Department Of Management Nirma University Ahmadabad

3.4.2 Give details of publications by the faculty:

❖ Number of papers published in peer reviewed journals (national / international)	**-830**
❖ Monographs	**- NIL**
❖ Chapters in Books	**- 16**
❖ Books edited	**- 2**
❖ Books with ISBN with details of publishers	**- 11**
❖ Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, EBSCO host, etc.)	
❖ Citation Index – range / average	**- 4**
❖ SNIP	**- Nil**
❖ SJR	**- Nil**
❖ Impact Factor – range / average	**- 0-5**
❖ h-index	**- 1-8**

3.4.3 Give details of faculty serving on the editorial boards of national and international journals faculty serving as members of steering committees of international conferences recognized by reputed organizations / societies

For further details, please refer Evaluative Reports of the Departments

3.4.4 Provide details of : -

- **research awards received by the faculty and students:**
- **national and international recognition received by the faculty from reputed professional bodies and agencies**

Dr. R.P.Dubey Vice Chancellor of the university has been recognized as a research reviewer of American Mathematics Society.

3.4.5 Indicate the average number of successful M.Phil. and Ph.D. scholars guided per faculty during the last four years. Does the University participate in *Shodhganga* by depositing the Ph.D. theses with INFLIBNET for electronic dissemination through open access?

Faculty name	2011-12		2012-13		2013-14		2014-15	
	M.Phil.	Ph.D.	M.Phil.	Ph.D.	M.Phil.	Ph.D.	M.Phil.	Ph.D.

Engineering & Technology	0	…	0	…	0	…	0	2
Information Technology & Computer Application	5	…	6	…	1	…	0	2
Sciences	19	…	22	…	37	…	24	6
Management	3	…	3	…	0	…	3	2
Commerce	5	…	1	…	4	…	5	0
Education	5	…	6	…	13	…	12	5
Physical Education	2	…	7	…	0	…	0	0
Arts	4	…	3	…	36	…	53	0
Library Science	0	…	0	…	2	…	3	0
Total	**43**	**0**	**48**	**0**	**93**	**0**	**100**	**17**

The University participates in *Shodhganga* by submitting Ph.D. thesis as per 2009 regulations of the UGC for M.Phil. and Ph.D.

3.4.6 What is the official policy of the University to check malpractices and plagiarism in research? Mention the number of plagiarism cases reported and action taken.

To check the plagiarism is research, University has adopted a policy of submitting a soft copy of thesis. Moreover research committee checks any document for plagiarism.

3.4.7 Does the University promote interdisciplinary research? If yes, how many inter Departmental/ interdisciplinary research projects have been undertaken and mention the number of Departments involved in such endeavours?

None.

3.4.8 Has the University instituted any research awards? If yes, list the awards.

NA

3.4.9 What are the incentives given to the faculty for receiving state, national and international recognition for research contributions?

University provide the incentives to our faculty members and research scholars for their contribution in research. In this regard the following initiatives has been taken:

- To promote and encourage academic excellence and motivate our faculty members and scholars for publication of research paper in reputed journals, a financial reward scheme has been implemented.

- Provide travel grant for participating and presenting papers in National /International conferences /seminars /workshops / refresher course etc.

3.5 Consultancy

3.5.1 What is the official policy of the University for Structured Consultancy? List a few important consultancies undertaken by the University during the last four years.

The University established a special centre for promoting consultancy services. The centre is named as CVRU Industrial Management and Technical Development Centre (IMTDC). The centre will act as liasoning agency between industry and the academic departments and faculty members. The consultancy service centre works with the following objectives under process:

- To have proper monitoring and accounting of the consultancy activity of the University.
- To enroute correspondence as well as the payments through the CVRU-IMTDC by directing all the faculty members.
- To monitor the associative consultants for carrying out the work as pre the agreement, after getting the work order for consultancy from the industry/organization.

3.5.2 Does the University have a University-Industry cell? If yes what is its scope and range of activities?

As already been mentioned, that the “CVRU-IMTDC” headed by a dean takes care of the building, maintaining and enhancing relationships between the University and industry. The scope and the range of various activities of this cell are mentioned below:

- Giving wide publicity to the various industries about the expertise and infrastructure available in the campus to take up the consultancy projects.
- Promotion of consultancy activity in the campus, by encouraging the faculty members to take up the consultancy works.
- Conducting University Industry interactive sessions to promote & provide consultancy activity in the campus.

3.5.3 What is the mode of publicizing the expertise of the University for

Consultancy Services? Which are the Departments from whom consultancy has been sought?

The University has brought out publications on “Dr. C.V.Raman Assets” highlighting the expertise & faculties available with the University with their credentials. The University is bringing out a quarterly newsletter “R&D at Dr. C.V. Raman University” highlighting the research outputs of departments and centres.
Beside this the University is working on creating a webpage in the University Website regarding the research Initiatives and its abstract and various research papers published in journals.
The departments focusing on the Consultancy activities are Computer Science, Management, Education and Science.

3.5.4 How does the University utilize the expertise of its faculty with regard to consultancy services?

Faculty members are encouraged to take up consultancy and incentives are provided for those who take up consultancy work. This includes, other than permissible honorarium of 60% including expenditure, professional development Fund (PDF). Permissible activities under this include, profession body membership, attending national & international conferences, procurement of journals etc.

List the broad areas of consultancy services provided by the University and the revenue generated during the last four years.

Major areas of consultancy include providing training to Marketing profession of various organization through management department, Websites developments for various organization through Computer Science Department and providing faculty development programme for Schools through Education department.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the University sensitize its faculty and students on its Institutional Social Responsibilities? List the social outreach programmes which have created an impact on students’ campus experience during the last four years.

The university is located in a rural backward area and thus plays a major role in the social uplifment of this area. Also the participation in NSS made mandatory for the students in UG as well as PG level as well as some social outreach programmes are organized by different departments & faculties of CVRU in the campus. So being the seats of higher education the universities have been entrusted with the task of imparting social responsibilities to its students & faculties with a view to develop better citizens for participating in the development of the Nation.

The Various Extension Activities organized by CVRU under the Institutional Social Responsibilities are mention below:

1. Seminar organized on the topic **“legal aid and human rights”** on 10.12.2011 in the University campus. Mr. Shailendra Dubey, President-Chattisgarh State Bar Council was invited as the chief guest
2. Visit to Police station of Kota was organized for the students and faculty on 23.9.2012
3. 10 Students of the law department participated in the Seminar organized at Auditorium, High court of Chattisgarh, Bodri, Bilaspur on the topic **“why should we operate open source software?”** The seminar was held on 24.11.2012. Mr. Yatindra Singh, Chief Justice, High court, Bilaspur addressed the seminar on “use of open source software and its benefits.”
4. Faculty and students of law department participated in the programme **“Role of judges, lawyers and society in women empowerment”** held on 17.03.2013 at High court of Chattisgarh, Bilaspur.
5. Guest Lecture by Prof. A.K. Singh, Harish Chandra P.G.College,Varanasi(U.P) on topic “Law relating to women rights” was organized on 18.11.2013
6. Guest Lecture by Mr.Dinesh Malviya, Asst. Professor, Govt. Bhanu Pratap Singhdeo P.G.College, Kanker(C.G) on topic “Law of crime” on 15.12.2014
7. Guest lecture by Mr.Yashwant Singh Thakur, Deputy Advocate General, Bilaspur high court, was organized on 11.4.2015 On topic “ Implementation of constitutional provision and writ petitions”.
8. Educational tour to Tamil Nadu, Andhra Pradesh, Kerala was organized for 09 days for the Students of education department for knowing the historical importance and culture of these states .The tour was held from 23rd Feb 2014-2nd march 2014
9. A discussion was held on existing education system on 27.10.2014 to highlight the future prospects of improvement in the methodology of imparting education to students
10. **Free Health check-up and awareness camp** was organized on 19th April 2014 at Sai Baba Hospital, Bilaspur for students and employees of CVRU
11. Under star scheme of NSDC, University gave financial assistance of Rs 3500 each to 1800 students for their skill development certified courses.

12. "**SADHANA AUR RASHTRA RAKSHA SHIWIR**" Was organized on 1st may 2014 by the Sanskrit department which was presided over by Swami shri Nishchalanand Saraswati ji Maharaj
12. **"YE SHAHAR MANGE SHOR"** Drive was conducted on 8.05.2015 in association with Bilasa college,Bilaspur .The girls from CVRU Participated in the drive and took an oath to fight atrocity against women .
13. An Educational tour was organized by the department of commerce & management for the students From 7th may 2013 to 15th may 2013 .The team of 35 students guided by 5 faculty visited Chandigarh, Shimla and Manali.
14. An Educational tour was organized by the departments of commerce & management from 19th march 2014 to 28th march 2014.The team of 40 students and 5 faculty visited Mirik, Gangtok and Darjeeling.
15. An educational tour was organized by department of education in April 2013 to Haridwar, Rishikesh, Dehradun, Masuri of Uttaranchal to study the culture, eating habits, lifestyle, social structure, problems and related programmes initiated by the state government. The students also understood the historical importance of River Ganga.
16. **Tree plantation** have been organized from the past two years
17. **"International yoga day"** was celebrated on 21st june 2015 to highlight the importance of good health and exercise
18. **"Rashtriya Sewa Yojana Diwas"** was celebrated on 24th September in the year 2012 and 2013
19. **"SWACHATA ABHIYAAN"** Was conducted by the university in the year 2015
20. **"Yuwa Diwas"** was celebrated on 12th January 2012 and 12th January 2013.
21. **The parental body of the University, AISECT publishes monthly science magazine entitled "Electroniki" for all the students of CVRU.**

Department of Social Work: The University/Department of Social Work provides for its faculty and students the opportunities of social learning through social action programmes. Enthusing of a participatory skills and leadership building through community outreach is established. It is ensured that sensibility for challenges in society and awareness for social responsibility becomes a part of their character.

The Social Outreach Programmes for enriching the students' campus experience during the last four years are:

a) Work for eradicating Child Labour

b) Organizing Inter-School Competitions in the Underserved Localities and neighbourhood areas of the campus with objective to motivate the children of weaker sections of the society.
c) Promotion of community and Participation in Social Events
d) Environment Awareness
e) Health & Hygiene
f) Organizing Health Camps in the Underserved Localities and neighbourhood areas
g) Meetings with neighbourhood Schools
h) Participation in Polio eradication drive
i) Efforts for Sustained Community Development
j) Organizing Child Rallies
k) Rural Winter Camps in adjacent villages to campus

3.6.2 How does the University promote University-neighbourhood network and student engagement, contributing to the holistic development of students & sustained community development?

Above all the University as a best practices contribute on sustaining community development by conducting various programme in nearby villages through the help of the Students and staffs. The area of thrust are Save girl Child, Literacy mission, Swach Bharat abhiyan, renewable energy etc.

The following programmes serve to promote:

- Social outreach programmes organized by NSS
- Students involvement during local festivals
- Blood donation camp & other medical campus
- Celebrating kidney check-up
- Plantation on world environment day & vanmahotsav by students & faculties
- Women’s empowerment
- Natural heritage preservation
- World AIDS day
- Providing social awareness & information to the university nearby neighbourhood areas through 90.4 Radio Raman the CVRU community Radio

3.6.3 How does the University promote the participation of the students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International programmes?

To motivate, encourage and inspire the students and their involvement in various extension activities, the university organizes different competitive programmes to promote participation and contribution of students frequently such as activities that promote citizenship roles, cultural activities with dance, music, fine arts, literary events, photography etc. The events of singing providing the musical platform and opportunities to the students with hidden talents such as “Voice of CVRU” organizing intra university sports activities and games of state level and national level. Inspiring students for their participation in annual sports meet, annual day celebration, NSS, Technofest, Techno Thrust, science exhibitions, poster competitions, clay modelling etc. The recognition awards are given to the students for the participation in glorious activities such as parades, university representations etc. The endowment awards are also given to all the faculty members for same of their special performances, participations and imparting training programmes involving their best performances and contributions to encourage them. The university always encourages and promotes students and faculty to actively participate in the extension activities. The NSS unit of CVRU has been known for its committed extension services. NSS: NSS has been recognized as the major students youth activity in CVRU to make education socially relevant and community oriented. The NSS unit is connected with other subunits through a large number of University students’ volunteers’ strength. The CVRU students participate actively in all NSS activity programms. The **Department of Physical Education** collaborates with National Service Scheme (NSS) in promoting community awareness for Traffic Rules, Blood Donation, HIV/AIDS, and Family Planning etc. The department students have worked as volunteers of NSS in various events organized for community development. The Department of Social Work in collaboration with District Administration organizes programmes on various occasions viz. World Health Day, World Environment Day, World AIDS Day, etc.

A national level seminar on topic “**Integral Education**” had being conducted jointly by Sri Aurobindo Society, Pondicherry for the faculties to enhance their skill towards teaching learning process in the dimension of spirituality.

3.6.4 Give details of social surveys, research or extension work, if any, undertaken by the University to ensure social justice and empower the underprivileged and the most vulnerable sections of society?

Department of Social Work is engaged in various Social Surveys/Extension Work undertaken to ensure social justice and empower the underprivileged/ vulnerable sections:

Involvement of MSW Students:

RESEARCH WORK DONE BY STUDENTS OF DEPT. OF SOCIAL WORK IN MASTERS OF SOCIAL WORK (MSW)

Name of student	Topic	Session
Ajeet Kumar Pandey	Corporate social responsibility initiative with reference to South Eastern coalfields Ltd(SECL),Bilaspur	2012-14
Phoolchand	Management of Industrial Relations in S.E.C.L	2012-14
Ashwani Kumar Sahu	Impact of modern irrigation in Agrarian social structure:A case study in satnamipara sendari,Bilaspur	2012-14
Lekhraj Mishra	A study on social and health problems of Dhanuhar tribe	2013-14
Dr.Navin Kr.Kaushik	Human resource planning for successful management with special reference to Real Power Plant,Rambod	2013-14
Manisha Hadge	Management and Administration	2013-14
Dinesh Kumar Jaiswal	Study on contribution of MNREGA in reducing unemployment	2013-14
Supriya Bara	Study on employee welfare measures in Rayala Seema concrete sleeper Pvt Ltd,Kota	2014-15
Minakshi Dubey	Study on labour Absenteeism problems in Narmada Drinks,Bilaspur	2014-15
Abhishek Jaiswal	Study on Recruitment and selection procedure in Rayala Seema Concrete	2014-15

	Sleeper Pvt.Ltd,kota	
Shivani Agrahari	Study on efficacy and utilization of Jananishishu Suraksha yojana,Bilaspur	2014-15

3.6.5 Does the University have a mechanism to track the students' involvement in various social movements/activities which promote citizenship roles?

A beautiful framework on character and citizenship building programme is introduced by the University with the help of Sri Aurobindo Society, Pondicherry. A well-defined mechanism is adopted to identify and track the students' involvement in character and citizenship related development.

3.6.6 Bearing in mind the objectives and expected outcomes of the extension activities organized by the University, how did they complement students' academic learning experience? Specify the values inculcated and skills learnt.

The extension activities help the students to improve and increase their: -

- Organizational skills
- Practical training and hands on experience
- Communication skills
- Community involvement and involvement in societal needs
- Adaptability to socio-economic and socio-environmental conditions
- Civic sense and social responsibility
- Leadership quality and managerial skills
- Cultural grasp and competitive attitude
- Commitment to nation building
- Institutional gratitude
- Capability of independent decision making
- Social responsibility
- Transformation of knowledge and skilled learning from surroundings etiquettes, manners, values and ethics of social approach.
- Time management.
- Designing questionnaire
- Presentation skills
- Logistics

- Planning & execution of a given programme
- Data analysis & interpretation

3.6.7 How does the University ensure the involvement of the community in its outreach activities and contribute to community development? Give details of the initiatives of the University which have encouraged community participation in its activities.

It is a part of the best practices of the University. Since Dr. C.V. Raman University is located in a rural area where most of the students belongs to the rural belts , the management of the University thoughts that if they can develop the environment of the students from where they are coming then certainly the quality of the University with automatically enhance. The main aim of this mission is to make the villages Self Sustainable in respect to Energy, Water and Environment but also awareness regarding cleanliness as a national mission, education for all and save girl child. The social responsibilities are an integral part of all types of activities of the University. Apart from the academic activities, such responsibilities are extended and expanded by significant outreach programmes. Community Radio in the Campus helps to farmers and others with their various issues related programmes.

- Research Centre for Biotechnology is getting developed to cater the innovative and affordable agro and food processes useful to farmers to augment their productivity and earning.

3.6.8 Give details of awards received by the institution for extension activities and/contributions to social/community development during the last four years.

Awards and Special Achievements

- Dr. C.V. Raman University has been awarded with World Education Award for Online Education in Distance Learning and as the first university to have community Radio Station. Registrar Shri Shailesh Pandey received the award at New Delhi on behalf of the university on 8th August 2014.
- For the Excellence in the Higher & Technical Education, CVRU has been awarded by **CHHATTISGARH ACHIEVERS AWARD 2014, BEST UNIVERSITY OF THE YEAR TROPHY** by “SADHNA NEWS CHANNEL” for the second consecutive year. The award was given the hands of Hon’ble Chief Minister Dr. Raman Singh. CVRU was adjudged best after their survey of all educational Institutes in CG.

- CVRU has been felicitated by Govt. of India on 14th October 2014 for the Pioneering Initiative of accepting NIELIT Qualifiers for Higher Courses. On behalf of CVRU, Registrar Mr. Shailesh Pandey received the award by the hands of Union Information Minister Mr. Ravishankar Prasad during the National Seminar held in Delhi. CVRU is the First University to be awarded such an award in the entire Country.
- For the Excellence in the Higher & Technical Education, CVRU has been awarded by Chhattisgarh Achievers Award 2013, Best University of the year trophy by “SADHNA NEWS CHANNEL”. The award was given the hands of Hon’ble Chief Minister Dr. Raman Singh. CVRU was adjudged best after their survey of all educational Institutes in CG.
- Mr. Shailesh Pandey Registrar Dr. C. V. Raman University is awarded with the “Rajiv Gandhi Achievers Award for Education in the year 2013 for his Achievements.

3.7 Collaboration

3.7.1 How has the University’s collaboration with other agencies impacted the visibility, identity and diversity of activities on campus? To what extent has the University benefitted academically and financially because of collaborations?

Among the various collaboration the most prestigious Collaboration is with Sri Aurobindo Society, Pondicherry (Society **of National Importance**) through their initiative project named “AUROPATH”. Under this collaboration jointly the University in working in Campus sustainability related aspects. Integral education, value education, Quality in Education related various seminars are getting conducted jointly. Academically this collaboration is helping students to develop the feeling of better citizenship and understanding towards Quality in academics impacting the visibility, identity and diversity of the students and other on campus.

3.7.2 Mention specific examples of how these linkages promote

- **Curriculum development**
- **Internship**
- **On-the-job training**
- **Faculty exchange and development**
- **Research**
- **Publication**
- **Consultancy**
- **Extension**
- **Student placement**

- **Any other (please specify)**

Indian higher education system is the third largest system in the world. In an increasingly technologically dependent world, expansion of higher education sector is imperative in an emerging economy such as India as evidenced by the phenomenal growth and development in higher education during the past two decades. ***Campus Sustainability Programme*** primarily focuses on energy and climate change, but also includes topics such as campus waste, food, and water usage; all of which can impact climate change. Practical and innovative sustainability efforts and methods are underway on campuses The activities focuses on to *Create Organizational Infrastructure to Support Sustainability, Perform Energy Independence Study and Implement Recommendations, Encourage the Teaching of Sustainability, Campus Environmental Audit, Planning Procedures in Key Operational Areas , Develop Community Gardens and Composting Site, Perform Assessments and lots more.*

3.7.3 Has the University signed any MoUs with institutions of national/ international importance/other universities/industries/ corporate houses etc.? If yes, how have they enhanced the research and development activities of the University?

The University has tied up with Sri Aurobindo Society, Pondicherry (Society of National Importance) through their initiative program named "AUROPATH". The collaboration is basically in a very initial stage and Research and Development is an important aspect that is going to get addressed very soon in Social Science areas. University also has tied up/MoUs with some industries to provide better industry knowledge to their students. Following are some names of organizations:

Sr No	Name	Field
1	Prasar Bharti (Doordarshan)	Broadcasting
2	Elcon Instruments Private Limited	Electronic and Mechanical Instruments
3	Galaxy Motors	Sales and Marketing
4	BSNL	Telecom
5	Binomial Solutions	IT
6	Arun Mobiles and repairs	Telecom Hardware
7	Tayal Tech	IT
8	iDeliver Technologies	IT
9	Narmada Drinks Private Limited	Soft Drinks
10	Satya Automobiles	Automobiles
11	Black Diamond	Automobiles

3.7.4 Have the University-industry interactions resulted in the establishment/creation of highly specialized laboratories/ facilities?

The University is establishing a Research lab on Bio-Technology & Bio-Chemistry of international Standard. The objective of this research laboratory is to not only provide students latest development related knowledge in biotech but also will attract the industries regarding the research and consultancy activities.

Criterion-IV

Infrastructure & Learning Resources

CRITERION IV

INFRASTRUCTURE AND LEARNING RESOURCES.

4.1 Physical Facilities

4.1.1 How does the university plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?

The university has excellent infrastructural facilities including adequate classrooms, high tech seminar halls with interactive boards for classroom teaching, spacious examination and valuation chambers well equipped research labs with sophisticated instruments, and computer labs with fine interact connectivity and all technological access as well as software facilities. Apart from a full-fledged central library, dedicated and well managed departmental libraries are also available in each department. Adequate field units and field work facilities exists in the university for practical classes and research pertaining to the departments of civil engineering, geography, botany etc.

As the infrastructure facilities and learning resources are the key factors for creating the ambience to enhance the productivity of both staff and students in any academic institute, so, CVRU has been constantly upgrading its infrastructure in the last a years since the very day of its establishment, keeping in pace thoroughly with the increasing demand and additional requirements through the financial aspects.

The university infrastructure plan mainly consists of the infrastructure requirements in terms of the growing needs and current demands to ensure its optimal utilization to meet the challenges of changing global education worldwide. The university invests substantially to improve the classroom, library, laboratory infrastructure, administrative infrastructure, books, journals and online resources for teaching, learning and research. The university also has its investments on its own in campus banking infrastructure, ATM, Gymnasium, canteen, guest house, other residential facilities, student hostel for accommodation and mess, community radio station building, own power supply system, additional generators, invertors, water supply systems including the RO and UV water purifiers. To ensure proper utilization, the seminar hall, the ICT enabled class rooms, laboratory etc. are utilized by all the departments in a sharing basis to conduct academic activities, workshops, seminars, conferences etc. For the optimal utilization, the university transport facilities are utilized for field trips, educational trips, industrial visits, study tours and other extension activities under proper policy management of the university infrastructure plan. The major equipment and other facilities are maintained by entering into annual maintenance plan of university infrastructure caring committee (UICC). Though there occurs sometime inadequate availability of class rooms at certain facilities and resources are shared. The university examinations are staggered and conducted in shifts to accommodate all the departments in the university.

To ensure the plan, the academic as well as the non-academic department makes an assessment of its overall infrastructural as well as all other requirements at the financial year ending and these requirements are debated, prioritized and finalized in the faculty meeting at department level. Then each department submits its plan and proposal to the finance and development section. Thereafter, this unit prepares a consolidated university overall infrastructure and requirement plan and passes to the academic council and executive council of the university for further approval. The work section of the university undertakes monitoring and maintenance of all the infrastructural facilities and attends to each and every complaint immediately.

4.1.2 Does the university have a policy for the creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few recent initiatives.

Yes, creation and enhancement of infrastructure in order to promote a good teaching learning environment is a primary concern of the university. Hence the university definitely follows its policy towards infrastructure creation and enhancement.

Thus, a few initiatives recently taken by the university incorporate the following.

a) **Development & improvement of the campus**:

- Promoting green university concept by frequent plantation, excellent gardening, flowering and hedging.
- Installation of firefighting system at each and every building laboratories, library, academic block & administrative block.
- Proper alignment modernization of roads, paths and pavements

- User friendly university website with update information on all academic, administrative and cultural aspects of the campus
- Full time uninterrupted power supply and backup online UPS units in case of any outrages.
- Wi-fi enabled campus.

b) Research and academic infrastructure:

- E-classroom facility equipped with electronic team boards, internet & other audio equipment used for interactive teaching sessions.
- Increasing the number of LCD projectors in the departments to enhance ICT based learning.

4.1.3 How does the university create a conductive physical ambience for the faculty in terms of adequate research laboratories, computing facilities and allied services?

The maintenance of ambience of the departmental laboratories is monitored by the respective heads of the departments and the university takes up the work through its engineering office. The university incorporates a great emphasis on providing a conductive physical ambience based on requirements. Thus, more than 75% of the faculty members in majority of the department of studies have been provided with the dedicated space supported by uninterrupted power supply and high speed internet connectivity. Each and every academic department is equipped with adequate infrastructure for teaching, learning and research. Whenever improvements and updating are required the department will be provided with additional financial support and assistance for meeting the requirements. Also, the university entered into the memoranda of understanding with prominent organization and corporates such as TCS, Microsoft, BSNL, Wipro etc. and the alumni also help the university departments to develop good physical ambience and adequate research facilities, computing facilities as well as several other allied services etc. The university has established its research centre in a well systematic and advanced manner with suitable high order instruments for providing adequate research facility to the faculty and scholar. The maintenance of these centres is taken up on priority basis by the university always to maintain the throughout the campus.

The campus internet is fully maintained an optical fibre networking with BSNL lease line 10 mbps high speed internet connectivity 4 mbps from TATA Tele Services. The university has more than 550 computers in its various departments including laboratories, computer labs, English language labs, library, administration and other department of studies specifically of HCL made with core i3/quad core/core 2 duo/Pentium 4 processors with 80GB/120GB/250GB/350GB/500GB HDD and 512MB/1GB/2GB/4GB RAM machines. All the systems are connected through star topology. All the computer systems in the laboratories are finely connected to the LAN systems

4.1.4 Has the university provided all departments with facilities like office room, common room and separate rest rooms for women students and staff?

Not all the departments, but most of the departments in university have facilities of office rooms and common rooms but the university has provided one common room and rest room for the women students and staff not separately for all departments but one separately for the whole university itself.

4.1.5 How does the university ensure that the infrastructure facilities are disabled friendly?

Special arrangements are made for the disabled students in the ground floor only of the academic building and the university central library getting facilitated by the university departments ensuring comfortable movements for the disabled/physically handicapped students. In special cases the facility of the wheel chair is also provided by the university health centre/dispensary. Lift system has yet not been developed but yet to be proposed. Students with multiple disabilities are encouraged to contact the Dean of Student Welfare (DSW) as soon as possible to assess their support requirements.

4.1.6 How does the university cater to the requirements of residential students?

Give details of

- **Capacity of the hostels and occupancy (to be given separately for men and women)**
- **Recreational facilities in hostels like gymnasium, yoga centre etc.**

- **Broadband connectivity/Wi-Fi facility in hostels.**

The university caters to the requirements of the residential students in the following way as the details are furnished below:

- **Capacity of the Hostels and Occupancy (to be given separately for Men & women)**

Sr. No.	Type of Hostel	Number of Building	Capacity	Occupancy
1	Hostel for Men (In campus) Rabindranath Tagore & Gandhi Hostel	2	160	160

500 capacity of boys hostel is newly constructed and 48 capacity of girls hostel is also newly constructed but yet no students has been allotted in both hostel.

- **Recreational facilities in hostels:**

The university provides recreational and amusement facilities in the hostels such as the common rooms in the hostels are provided with television sets and computers with net connectivity. Further, the facility of badminton court, volleyball court, basketball court, throw ball court, caroms, chess and gymnasium to the hostel students (Men/Women) are provided in the CVRU campus ground & sports room also beyond the working hours. Some rooms in the hostels are earmarked for some recreational & indoor game activities. There is also a meditation hall in the department of physical education for yoga and consciousness to benefit the students and employees of the university.

- **Broadband connectivity/Wi-Fi facility in Hostels**.

The hostels in the university campus are having a very good connectivity of internet and full time wi-fi facility.

S.No	Location	Hostel	Internet Connectivity Facility
1	Boys Hostel 1	Tagore Hostel	Wi Fi access available (10mbps NKN) leased line available (BSNL) 4 mbps available from Tata services
2	Boys Hostel 2	Gandhi Hostel	--do--

4.1.7 Does the university offer medical facilities for its students and teaching and non-teaching staff living on campus?

The university has its own health centre and dispensary comprising of two full time medical superintendents, i.e., one chief medical officer and one medical supervisor to cater to the needs of the medical services. The CVRU health centre and the dispensary of the university within its premises offers full time medical facilities for the students, faculties, non-teaching staff, administrative staff and other employees of the university. The dispensary provides service in the hostels also extends its emergency services too throughout the campus. All the students, staff, faculty and other employees of the university are provided medicines at free of cost. One medical officer and one assistant medical officer along with a medical compounder are appointed to take care of CVRU health centre and helps to avail the medical facility for each and every one in the university premises. The health centre of the university consists of the complete first aid facility, primary medical treatment facility as well as some of the diagnostic equipment and sufficient pharmaceutical medical store.

The following facilities are available in the medical dispensary:

- Sphygmomanometer
- ECG machine
- Stethoscope
- Stretcher and wheel chair
- Patient table
- Well managed medical almirah for proper medicine storage
- Blood pressure instrument
- Blood sugar testing instrument (Glucometer)
- Electronic BP-Measuring machine
- Weight-machine
- Biochemical lab for Hb-test & blood group test.
- Nursing table
- Clinical laboratory facility

- Pulse-oxymeter machine
- Sterilizer machine
- Electric water heater

Besides this, we are also having an MOU with the Sai Baba Nursing Home, at Ring Road, Bilaspur in which for the special cases and serious treatment, the students of our university are recommended and referred for the further treatment free of cost to the nursing home.

4.1.8 What special facilities are available on campus to promote students' interest in sports and cultural events/activities? Sports facilities

Sports: The University has very good facilities for sports as well as both for indoor and outdoor games. The facilities available at CVRU are in the form of Cricket grounds, running tracks, volley ball and basketball courts, Kabaddi court, badminton courts etc. also the indoor facilities are available for carom, chess, table-tennis etc. CVRU also provides the facility of systematically managed and well-furnished advanced gymnasia. These are the following infrastructure facilities.

S.N	Name of Playground	Number	Area
1	Cricket	1	As per standard Norms
2	Football	1	As per standard Norms
3	Badminton	2	As per standard Norms
4	Handball	1	As per standard Norms
5	Volleyball	2	As per standard Norms
6	Kabaddi	1	As per standard Norms
7	Kho-Kho	1	As per standard Norms
8	Track & Field	1	As per standard Norms

The university organizes many intra University indoor & outdoor games competition and also encourages the students to participation in the state level national level and international level tournaments of sports as well as their participation the inter university sports events & tournaments. The girl students are also encouraged to participate in the various sports activities and as a result many medals have been won by them in the competitions.

Cultural Events/Programmes/Activities: The University has created an adequate and state of the art infrastructure for organizing academic events, activities and the cultural programmes. The university has a mini-auditorium cum hall with sufficient capacity as well as a huge space for the outdoor dome construction with all the required facilities and accessories. These facilities are also extended and expanded sometimes to promote better rapport with the society. As the university is a member of Association of Indian University and regularly participating in the all India youth festival of AIU, University has organized various science and cultural clubs as mentioned below:

a) The literary club: This club organizes and promotes the students for their significant participation in the following activities.

  - Debate
  - Quiz
  - Extempore
  - Elocution

b) The fine arts club: This club arranges the following activities for the studens to promote their participation:

  - Painting/Drawing
  - Clay modelling
  - Poster Designing
  - Photography
  - Collage
  - Rangoli & Flower Decoration

c) Music Club: This club of CVRU trains the University students and promotes them for the participation in all India Youth Festivals under the categories as under:

  - Classical song
  - Semi classical songs
  - Light vocal song
  - Indian light vocal song
  - Western songs

- Classical dance
- Western dance
- Folk dance
- Instrumental (Tabala, Flute, Casio, Guitar, Sitar, Drum, Congo etc

d) This club promotes and enhances the students participation in the activities mentioned below:

- Science exhibition
- Chemistry exhibition for chemical magic(Mystery of Chemistry)
- Robotrist
- Science Model exhibition
- Techno-Fest and Techno Thrust.

12.2 Library as Learning Resource

The University has a well-managed huge central library named as J.P. Choubey library. Rather than this all the academic departments have their own departmental library.

4.2.1 Does the library have an Advisory Committee? Specify the composition of the committee. What significant initiatives have been taken by the committee to render the library student/user friendly?

Yes, as per the UGC norms, the University central library has an advisory committee for its proper management and administration. The committee is headed by the Vice Chancellor of the University. The chief librarian is the convener and the members include the Registrar, coordinator of IQAC etc. The committee also consists of the Dean of Faculties, Dean Student’s welfare and three research scholars as nominated by the Vice Chancellor. The functions of the library advisory committee (LAC) are to review the progress and performance of the library and to resolve the issues related to the library building., furniture, equipment, staff, finances, books, library rules, accounts, audit and policies etc. regarding general administration. The action plan is also further prepared by the LAC and frames rules for library management and decides for the allocation of the annual budget for the purchase of books, Journals periodicats etc. To render the library as user friendly/students friendly the several initiatives and recommendations taken by the University or LAC are mentioned below:

- 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 the facility of DelNet to the students and contains 50,000 books, 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.

4.2.2 Provide details of the following:

(a) **Total area of the Library:** 929 Sq. Mts. = 10000 Sq. ft.

The J.P. Choubey Central Library of CVRU has 10000sq. ft. of carpet area. The work area and stack areas of each section has a seating and reading facility to enable the user to choose and refer the books comfortably. A good ventilation is provided in all the rooms with an enough spacious atmosphere. There is a user friendly seating arrangement provided with sufficient scope for optional interaction among the users.

(b) **Total seating capacity at J.P. Choubey CVRU central library:** 60 persons can be seated in the library reading room 60 users can sit and use the computers in e-library zone.

(c) **Working hours (on working days, on holidays, before examination, during examination, during vacation)**

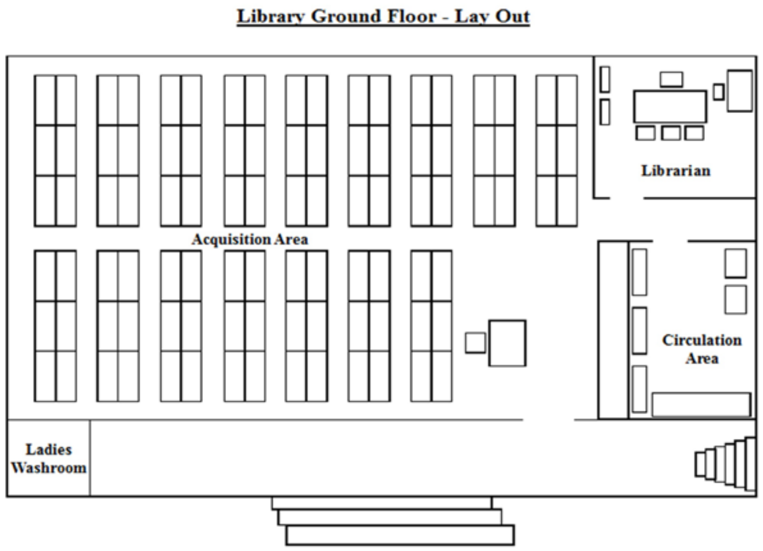
The J.P.Choubey central library is kept open on all days of the year excluding the Sundays, national holidays and on the days declared as holiday by the university. Library works for 10 Hrs and is kept open from 8:00 am To 6:00pm

Day	Working Hours	Duration
Working day	10 Hrs	8:00 am to 6:00 pm
Before examination	10 Hrs	8:00 am to 6:00 pm

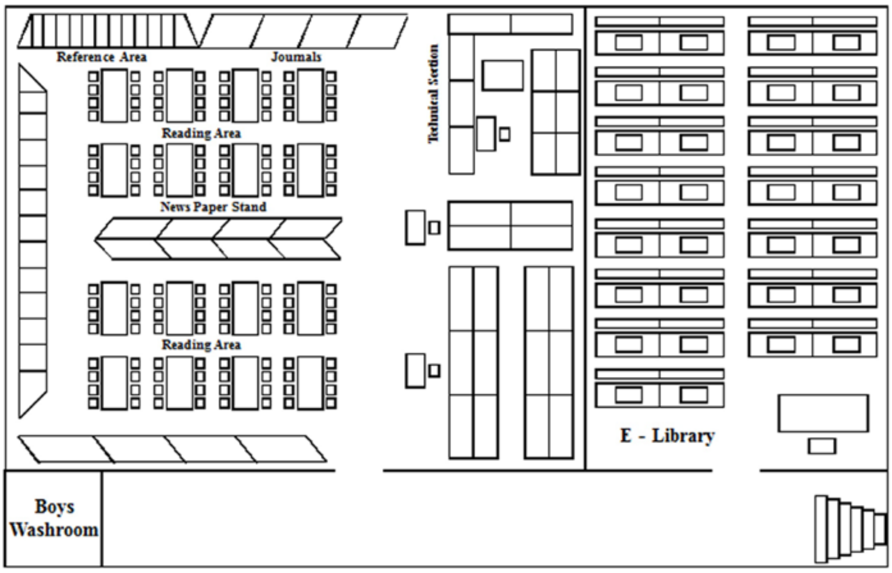
(d) Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)

There are individual reading carrels and a spacious lounge area equipped with the essential furniture for reading comfortably. A separate IT – zone for e – library has been created with 60 computers through well internet facility working actively.

The layout of the library is shown below in the figure:


Library Ground Floor - Lay Out
Librarian
Acquisition Area
Circulation Area
Ladies Washroom

Library First Floor - Lay Out


Reference Area
Journals
Reading Area
News Paper Stand
Reading Area
Technical Section
E - Library
Boys Washroom

(e) **Clear and prominent display of floor plan; adequate sign boards; fire alarm; access to differently-abled users and mode of access to collection**

- Floor plan – The detailed floor plan is displayed at the entrance of the library.
- Sign boards – the sign boards are adequately used and graphically displayed to assist and for the purpose of guiding the users.
- Fire alarm – As a precautionary measure, fire alarm is fixed in the library which will not only alert staff and user but will also help to save the books and other valuable materials from being damaged or destroyed from any incidence of fire.
- Access to differently abled persons-
- Accessing e-resources – some of the e-resources can be accessed which include DELNET etc.

4.2.3 Give details of the Library holdings :

(a) Print (books, back volumes, Reference books & Thesis):

42116

S.N0.	Name of Department	Total No. of Books	No, of Titles	Ref. Books
1.	CSE & ITE	6871	580	580
2.	EEE	2147	237	237
3.	ECE	2085	360	360
4.	Mech	2925	284	284
5.	Civil	2168	339	339
6.	Mathematics	1503	232	232
7.	Physics	937	185	85
8.	Chemistry	1206	204	204
9.	Life Sc.	500	283	283
10.	Communication Skill	488	135	135
11.	Commerce & Management	2114	625	625
12.	IT	6952	801	801
13.	Political Sc.	156	30	30
14.	Hindi	509	517	517
15.	English	483	544	544
16.	Economics	296	54	54
17.	Sanskrit	674	274	274
18.	History	170	122	122
19.	Sociology	143	16	16
20.	Geography	220	50	50
21.	Education	5580	905	905
22.	Journalism & Mass Communication	56	28	28
23.	Library Sc.	180	90	90
24.	Law	2239	858	858
25.	Physical Education	1514	350	350
	Total	**42116**	**8103**	**8003**

b. Periodicals/ Journals

S.N.	Name of Department	Total No. of Journals	National Journals	International Journals
1.	CSE & ITE	6	4	2
2.	EEE	3	2	1
3.	EE	4	2	2
4.	ECE	4	2	2
5.	Mech.	8	5	3
6.	Civil	11	7	4
7.	Mathematics	5	3	2
8.	Physics	5	3	2
9.	Chemistry	7	4	3
10.	Life Sc.	16	10	6
11.	Commutations Skill	0	0	0
12.	MBA	11	7	4

13.	IT	7	4	3
14.	Political Sc.	0	0	0
15.	Hindi	0	0	0
16.	English	4	2	2
17.	Economics	5	3	2
18.	Sanskrit	0	0	0
19.	History	5	3	2
20.	Sociology	0	0	0
21.	Geography	0	0	0
22.	Education	4	2	2
23.	Library Sc.	4	2	2
24.	Bio- Technology	5	3	2
25.	Law	7	7	0
26.	Physical Education	5	3	2
	Total	**126**	**78**	**48**

Daily News Paper Section

Hindi News Paper :

1	2	3	4	5	6	7
Navabharat	Dainik Bhaskar	Patrika	Naiduniya	Deshbandhu	Chhattisgarh Samvaad	Hari Bhoomi

English News Paper :

1	2	3
The Hitvaad	The Chronicle	The Times of India

Employments News Paper :

1	2	3
Employment News	Rojgaar Aur Niyojan	Rojgaar Samachaar

News Paper : 13

Hindi : 07
English : 03
Employment : 03

Magazine : 10
Back Volumes (Journals) :
Journals in 2012 : 48
Journals in 2013 : 60
Journals in 2014 : 80
Journals in 2015 : 120

(b) Average number of books added during the last three years

		2010-11		2011-12		2012-13	2013-14	
S.No.	Department	**Books**	**Titles**	**Books**	**Titles**	**Books** **Titles**	**Books**	**Titles**
1	Engineering & Technology	11861	1157	13102	1733	14035 1853	15809	1873
2	Commerce and Management	1624	279	1822	343	1822 343	2114	362
3	Education	6481	1912	6481	1912	6481 1912	6535	1922
4	Physical Education	1594	469	1594	469	1594 469	1594	469
5	Information Technology	7950	828	7950	828	7950 828	9859	852
6	Law	-	-	1490	360	1490 360	1778	360
7	Science	-	-	-	-	1852 128	2447	158
8	Arts	-	-	-	-	- -	1980	432
	Total	**29510**	**4645**	**32439**	**5645**	**35224** **5893**	**42116**	**6428**

(c) Non Print (Microfiche, AV)

Yes

(d) Electronic (e-books, e-journals)

The library provides access and use of total 22000 e-books and e-journals. The details are as follows: (20000 e-books and 2000 e-journals)

S.No	**E-Resource Name**
1	KOHA
2	DELNET
3	OPAC (SOUL)
4	INFIBNET

Other reading material include CD-ROM collections, newspapers and some special collections. Also a separate CD library is maintained.

(e) Special collections (e.g. text books, reference books, standards, patents)

The library is possessing special collection to the tune of 42116 items in the form of textbooks, reference books and books of standards..

(f) **Book Banks**

Yes

(g) **Question Banks**

Available for all the subjects in a renewed mode every year.

4.2.4 What tools dose the library deploy to provide access to the collection?

The university library is having electronic resource management package for providing efficient access to:

- KOHA (online software for efficient access)
- Electronic resource management for E-Journals

  The University library is having the software package for effective resource management. Thus, the e-books and e-journals are easily available.
- Library website
- In house/remote access to e-publications
- Catalogue cards
- OPAC: The online public access using SOUL is available (Software for University library SOUL)

4.2.5 To what extent is ICT deployed in the library? Give details with regard to

- **Library automation**: The library automation is carried out in order to make it user friendly to facilitate integrated automated operations, all the sections are being connected through local area network (LAN). For access to the master database all the section have computers. Thus, the library automation involves computerization of acquisition, serial, technical & circulation modules.
- **Total number of computers for general access:** The CVRU central library has a total number of 60 computers in which thin clients, Servers, Micro fitsch and Microfilm reader are also available.
- **Total numbers of printers for general access :** 1
- Internet band width speed: 2mbps

- Institutional Repository: The institutional repository contains around full text items and includes journals, papers, book chapters, manuscripts, conference papers, thesis and audio visual presentation.

- Content management system for e-learning: The institution repository is well managed by the librarian and all the contents which are to be kept and used are approved by the Research committee and Vice Chancellor of the University.

- Participation in resource sharing networks/consortia (like INFLIBNET): The CVRU central library also provides access to electronic journals and databases using the facility of campus network to the academic departments for resource sharing. The availability of INFLIBNET, DELNET, OPAC, KOHA, etc. is coordinated & supervised.

4.2.6 Provide detail (per month) with regard to:-

- Average number of walk-ins: 2600

- Average number of books issued/returned: 3000-5000

- Ratio of library books to students enrolled: 1:8 for current session

- Average number of books added during the last four years: 15000

- Average number of login to OPAC: 25% login

- Average number of login to e-resources: 1500-2000

- Average number of e-resources downloaded/printed: 1000-2000

- Number of IT (Information Technology) literacy trainings organized: Nil

4.2.7 Give details of specialized services provided by the library with regard to

- ***Manuscripts***: The library possesses a collection of 04 manuscripts consisting of both pal leaf and paper manuscripts. Significant among them are commentaries on Vedvyasa’s Bhagvad Geeta by Dharmashastra, By Katyaverma etc. also, the original copy of the constitution of India is kept in the library separately. Manuscript collections are maintained and displayed separately rare and valuable collections are maintained in the special reference cell. On request they are made available to the users by the concerned sectional staff.

- ***Reference:*** The Reference section of the library is yet another place that is proved to be very useful for the users.

- ***Reprography/Scanning***: The library provides reprography services at a nominal charge. Only one printer is available and 01 copiers.
- ***Inter-library Loan Service:*** No
- ***Information Deployment and Notification***: Current awareness serviced is utilized for the purpose of deployment of information and notification. After receiving the books from the supplier, the book jackets/covers are copied and displayed on the big display board at the entrance for better deployment of the new book arrival information, the individual departments are also informed separately and intimated about the arrival of new titles.
- ***OPACS***: The library collection is available through OPAC and INFLIBNET/DELNET facilities. The library of the University is effectively using the SOUL software for making many records available to the users through online public access catalogue system.
- ***Internet Access***: The J.P. Choubey Central Library also provides access to electronic journals and databases for all the university departments using the campus network.
- ***Downloads:*** Yes
- ***Printouts:*** Yes
- ***Reading list/ Bibliography compilation***: The library extends its service for the research scholars in compilation of the Bibliography. A separate online port is maintained in the library separately in systematic manner subject wise in an alphabetical order of the references and the complete bibliography of all the research scholars.
- ***In-house/remote access to e-resources***: Some “User Orientation” programms are conducted for the benefit of the user community in the campus to keep them aware with the latest in house/remote access to the e-sources.
- ***User Orientation:*** Yes, but not programmes.
- ***Assistance in searching Databases***: The users are extended personal assistance in searching the database.
- ***INFLIBNET/IUC facilities***: INFLIBNET-Yes, IUC - No

4.2.8 Provide details of the annual library budget and the amount spent for purchasing new books and journals.

The J.P. Choubey Central Library of CVRU procures new books and undertakes various other assignments that are necessary for its proper maintenance. The budgetary information of the annual library budget for the last five years regarding the purchasing of new books and journals etc. is furnished below:

Item	Year	2011-12	2012-13	2013-14	2014-15
Books	**Amount**	19,13,593/-	28,38,002/-	16,41,394/-	5,39,351/-

4.2.9 What initiatives has the university taken to make the library a' happening place' on campus?

The library of the university is reinvigorated as dynamic learning resource and is made into a centrepiece for establishing the intellectual community and scholarly enterprise. The spacious building in a cool and serene environment with a surrounding of greenery, with an availability of huge number of textbooks, reference books, periodicals, journals, manuscripts, collections, epics, encyclopaedia, magazines, newspapers, e-journals & e-books with rapid internet access & connectivity makes the library of Dr. C.V. Raman University as "A Happening Place" on CVRU campus, regarding this, the university has taken several initiatives such as the information of the new arrivals is prominently displayed, deployed and made available in the relevant departments so that it effectively reaches the users. The library is no longer a place for simply searching the information but a place where students consider it as an extension of their class room. By facilitating the availability of group discussion in a room & reading room, the students are encouraged to think analytically and engage in a collaborative learning process where they can develop critical thinking and academic temperament. Also, as the group study is popular and increasingly encouraged by the faculties through assignments, in response, library is provided with a reading room and discussion room for this interactive learning environment. Thus, it is important to accommodate learning through lively group discussions or intense to accommodate learning through lively group discussion or intense conversation while not interfering with the serenity of the library. The CVRU J.P.Choubey central library owes to play a great role in fulfilling the academic mission of DR. C.V.Raman University. The library has a centralized location where new and emerging information technology combines with traditional knowledge resources in a user focussed, service-rich environment that supports learning, teaching and research. The use of electronic databases, digitized formats and interactive media in the library initiates a major shift from the dominance of independent study to more collaborative and interactive learning. The library of the university is viewed with a new perspective by transforming it from a consortium of only print collection to a vibrant zone of knowledge of integrated IT services through unity of electronic and computer technological process. The information technology in all kinds supplies information throughout the campus instantaneously. The library is a place to access and explore the information with fellow students in a variety of formats, analyse the information and produce a publication or presentation. Also, the has taken the prime initiative of organizing book exhibitions in a special thrust on various occasions in the university in a varying role of the library definitely makes the library "A Happening Place" on the campus.

4.2.10 What are the strategies used by library to collect feedback from its users? How is the feedback analyzed and used for the improvement of the library services.

In order to improve the facilities and to make the library much more user friendly, the library collects feedback from the users in an informal way. The university library obtains feedback from the user community and analyse it with the help of statistical techniques to provide better services to them. The feedback from are designed separately both for faculty members and students including the research scholars. These feedback form formats include the questions regarding the availability of the facilities focussing on the library infrastructure, library maintenance, books and journals availability and accessibility, information deployment and notification, net-browsing facilities and assistance in data searching as well as download and print out facilities etc. a number of users of various departments each from faculty members and students consisting of different categories of disciplines visit the library every day in a frequent scheduled manner, and library are identified and discusses in library advisory board meeting chaired by the vice-chancellor in front of improvements required for the library services are initiated based on the recommendation of the advisory committee and then the implementation of all the initiatives are carried forward to be done successfully.

4.2.11 List the efforts made towards the infrastructural development of the library in the last four years. Purchase of computers, textures & furniture's equipment etc.

To maintain and develop the infrastructure of the university library, the efforts are made continuously from the last four academic years such as:

- Extension of the library building in a more efficient one

- Purchase of better quality furniture (Almirah/books shelves/chairs/tables/carpets etc.)
- Installation and fitting of generators and invertors etc.
- Improvement of the entrance & front inlet view.
- Construction of additional space and area for the internet browsing and e-library as well as separate reference section.
- Purchasing of audio video materials and accessories etc.
- Extension of IT, electronic and networking facilities for providing smooth access to the e-resource.
- Providing the facility of library educational materials of public access for broadcasting through the use of university in campus community radio, “90.4 Radio Raman” by its establishment

4.3 IT Infrastructure

4.3.1 Dose the university have a comprehensive IT policy with regard to listed parameters such as IT Service Management, Information security, Network security, Risk management, Software Asset management, Open source resources and Green Computing?

Although the university does not have comprehensive policy or well defined and declared IT policy with regard to the above listed respective parameters up to a fair degree, but though all these parameters are in practice. The IT service management, information security, network security, risk management, software asset management, open source resource and green computing are in a good practice of bringing glorified research facilities.

IT Service Management: As already discussed before, that the University has established a separate computer centre (CVRUCC) head by a director for the effective management of IT services. The required infrastructure for IT service management such as servers, intranet, softwares etc. are procured and maintained for the efficient IT management. The hardware cell facility is also available for the management of all hardware services which provides the network hardware support. The keen objective of this section is to act as a single point of support for all hardware related activities in the university such as designing, procuring, installing, interfacing, troubleshooting and maintaining of IT devices and peripherals.

The IT services system of the university, being the core backbone of the campus networking it employs single mode/multimode optical fibre cable connecting the various departments and is executing the following facilities and services:

a) University website maintenance (www.cvru.ac.in)

b) Mail service maintenance (info@cvru.ac.in)

c) Antivirus updates/installation in the academic departments

d) Network security and authentication services

e) Network maintenance & data maintenance

f) Other data processing management by providing LAN facility.

The IT service of the university is in the process of expanding its activities to provide assured unlimited campus connectivity to every nook and corner of the university.

In order to meet the future requirements, the University is planning to install and commission a huge data communication network that will act as an internet for the entire university campus.

Information Security: CVRU security mechanism undergoes through various process which helps in achieving for defending information from unauthorized access, use access, use, disclosure, disruption, modification, perusal, recording or any kind of destruction, the university takes and adopts the mechanism towards the information security by :

a) Implementation of the identification, authentication and authorization mechanism.

b) Enforcement of guidelines to the users,

c) Providing the antivirus protection well in place throughout the campus.

d) Hosting the data on servers in the data centre

e) Setting up of personal firewall rules

f) Hardening of computing devices for security

g) Provisioning of gateway level security

h) Limiting of open ports

i) Monitoring of logs, backup of data etc.

Network security: CVRU network security works in multiple layers to mitigate the network threats, firewall and threat management devices are installed. Antivirus and bandwidth management and control are processed for security monitoring of network and also to provide secure remote access, the virtual private network (VPN) is also created in the university campus.

Risk Management: As the risks in a university have the potential to disrupt the achievement of the university's strategic and operational objectives, so, better informed decisions and improve the probability of data backup is regularly done and to enable a resilent network, the servers are mirrored frequently. The principal results and outputs of the risk identification and the administration and then again reviewed by the university. The significant and the main objective of the risk management system in the university is that there should be a minimum adverse effect on the network and computing in the campus in case of failure. Thus, the following risk management methodology is used:

a) Identification & characterization of threats.

b) Making assessment of the critical IT assets to specific threats.

c) Determining the risk

d) Identification of ways to reduce the risk

e) Risk reduction measures & their prioritization.

Software Asset Management:

For the software assets management at the university, the model of Microsoft's SAM is followed by CVRU which consists of the four basic steps:

a) Maintaining inventory of software assets

b) Software licenses and documentation are organized

c) Procedures are adopted for the entire life cycle of the software

d) Keeping the SAM plans current through spot checks and user training.

Open source resources: The faculty & students in the University are encouraged to make sufficient efforts for working on the open source resources for increasing their academic pursuits. A few open source resources are as fellows:

- NPTEL (NPTEL lectures are made available in servers)
- MYSQL
- UBUNTU
- VAMP server
- Prolog compiler
- Rational Rose
- SciLab
- Linux - http://www.linux.com
- Libre office – http://www.libreoffice.org
- GNU – http://www.gnu.org
- Android open source – http://source.android.com

Green Computing: Campus sustainability through the reduction of energy usage & reduction in Greenhouse gas emission is the focused mission of the University for the Essential Step towards Green computing. Also, disposing off unused & damaged computers, servers and associated subsystems, like monitors, printers, storage devices, UPS etc. & disposal of hazardous material like batteries etc. is also a major step towards green computing.

4.3.2 Give details of the university's computing facilities, Hardware and software. Details of computing facilities at University computer centre are given below.

- ***Number of systems with individual Configurations****:* The university has more than 550 computers in its various departments including laboratories, computer labs, English language labs, library, administration and other department of studies specifically of HCL made with core i3/quad core/core 2 duo/Pentium 4 processors with 80GB/120GB/250GB/350GB/500GB HDD and 512MB/1GB/2GB/4GB RAM machines. All the systems are connected through star topology.
- ***Computer student Ratio****: Approximately* 1:10
- ***Dedicated computing facility****:* Nil

- ***LAN facility****:* Both wired and wireless LAN is available of 100/1000. Whole campus is on multi-mode optical fibre network. For wireless connectivity the campus has D-Link-3900 (DAP) wireless controller. For the Router CVRU has the DSR-1000.

- ***Propriety software****:* Windows (with all Microsoft) and Linux software are available. Software for accounting package – tally, MATLAB, Symantec (Norton) Antivirus, Nod32 (ESET) are also available.

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

For developing institutional plans and strategies for deploying and upgrading IT infrastructure and associated facilities, the university consists of a development committee for IT infrastructure which discusses and develops the plans for the up gradation and services of IT throughout the campus. The committee takes decision regarding the IT infrastructure and facilities in consultation with the Principal, Deans, Academic Heads, Director Research, Heads of the departments, Registrar, Admin Heads, and AR of the university. The needs are identified for IT infrastructure in various departments and the report is prepared in a consolidated form. In case of immediate need the committee takes approval from the Vice Chancellor of the University for its Implementation.

4.3.4 Give details on access to on-line teaching and learning resources and other knowledge and information database/packages provided to the staff and students for quality teaching, learning and research.

Data managing software has been installed in the university website of CVRU which creates an online work space to facilitate the storing and transferring of information of the individual and also of the institution itself at various levels. The university central library also provides access to the electronic journals and databases in online mode for all the departments through e-resources and access through DELNET, INFLIBNET, OPAC (SOUL) etc.

4.3.5 What are the new technologies deployed by the university in enhancing student learning and evaluation during the last four years and how do they meet new / future challenges?

As the whole campus of the university is wi-fi enabled, the vendor and facility for e-learning has enhanced the students learning and evaluation process. The education oriented software in the departments named “CVRU-Educom” facilities and allows the student teacher online interaction thereby promoting and enhancing the student learning much more advanced and technological based. The ICT enabled classroom infrastructure facilities for the for the ICT based teaching environment in all department of the faculties using MPTEL lectures, Sci-Lab, MATLAB etc. helps the students in acquiring education to meet the new future challenges. The new technologies deployed by the university in last four years include the implementation and upgradation of faculties in advanced ICT skills and also skill based learning for the students by including one skill programme and computer course compulsory along with their regular learning courses. Many e-classroom are also available in the campus for advanced e-learning of the students.

4.3.6 What are the IT facilities available to individual teachers for effective teaching and quality research?

All the staff members are provided with the computer facilities with internet connectivity in their departments for their access to the e-resource etc. Prominent e-journal subscriptions are made available for an easy access where the papers and articles can be downloaded. To improve the interaction among students, scholars and faculty, an ICT tools has been provided by the University and all the seminar halls of the departments are provided with LCD projectors. The faculty members are given an opportunity to train themselves through various individual ICT training technology.

4.3.7 Give details of ICT-enabled classrooms/learning spaces available within the university? How are they utilized for enhancing the quality of teaching and learning?

There are 8 ICT enabled classrooms equipped with electronic team boards, audio equipment, internet, LCD projectors and other equipment etc. These facilities allow the interactive sessions and the proceedings can be recorded further.

Every academic department has its own departmental LCD projectors for their use in the classrooms as per the teacher’s use and requirement during the teaching. There are systematic computing facilities with sufficient requirements and necessary infrastructure in the university for the effective learning and teaching process.

Further CVRU is in the process of transforming traditional black-board based teaching methodology into ICT-enabled smart classrooms and smart conference rooms in all the sections of academic persuit and research oriented sections. These will have smart board, projector, visualizer, audio system, touch panel, computer, multipoint conferencing unit (MCU), good network connectivity, camera and micro phone etc. all integrated into a podium.

Also to reap the benefits of smart classrooms, it is mandatory for any educational organization, to make their teachers as computer savvy and get equipped with all types of hardware and software tools that are necessary for discharging their academic duties according to the need of the hour. Therefore, the university is supporting its teacher in this regard for taking up the challenge.

4.3.8 How are the faculty assisted in preparing computer- aided teaching-learning materials? What are the facilities available in the university for such initiatives?

All the faculty members in the university are well trained and fully assisted to prepare power point presentations for class-room teaching by availing and using the computer and internet facilities provided by the university in their individual departments. Through this facility they get self-trained themselves and could prepare their own computer-aided teaching learning materials. The central library of the university also helps and assists the faculties in preparing the computer aided teaching learning materials thereby helping them in downloading the NPTEL lectures and the accessibility of e-resources from other areas through IFLIBNET/DELNET using the library computing & internet facility of e-library.

4.3.9 How are the computers and their accessories maintained?

All the computers and their accessories are maintained by the University network maintenance department and the hardware maintenance section consisting of several hardware networking engineering and on hardware in charge.

4.3.10 Does the university avail of the National Knowledge Network connectivity? If so, what are the services availed of?

The university has 10 mbps connectivity from the BSNL leas line service through the NMEICT (National Mission of Education through Information & Computer Technology) and 4 mbps from the Tata Consultancy services.

4.3.11 Does the university avail of web resources such as Wikipedia, dictionary and other education enhancing resources? What are its policies in this regard?

The university is availing of the web resources such as Wikipedia, dictionary and other e-learning resources through its internet connectivity of 10 mbps and about 4 mbps connectivity of broadband services. Through this resource and for all other knowledge enhancing resources, all the faculty members are connected to the campus LAN. The CVRU central library also provides access to the electronic journals and database online to all the faculties of the departments through DELNET and INFLIBNET facilities. A huge number of e-journals on different subjects are available for the users through this service. Also, the free access can be availed for the “journal of the institution of Engineers”.

4.3.12 Provide details on the provision made in the annual budget for the update, deployment and maintenance of computers in the university.

In the session of 2014-15 an amount of approximately 4,71,376/- was spent for the update, deployment and maintenance of the computers in the university campus. The budget provisioned for procuring computers/servers & other related software for the past 2 years is about 16,86,505/-. For the major upgrades and deployment of IT services, the computer sections and the other departments of the university largely depend upon the allocations under the yearly plan of the university from its own internal savings.

4.3.13 What plans have been envisioned for the gradual transfer of teaching and learning from closed university information network to open environment?

CVRU has the following future plans envisioned for the gradual transfer of teaching and learning from a closed university information network to an open environment:

- Strengthening of the student teacher interaction beyond class room (e.g. using the software such as “CVRU Educon” which enables teachers to organize all the contents and streamline the delivery of these contents to the students in an easy way for effective communication).
- By providing assistance to the teaching community and user community in providing the need based information with the application of ICT in teaching and learning process. Though there are guidelines from the NMEICT project, but cut plans have yet been chalked out for the transformation from closed to open learning environment.
- The university is planning to develop blended curriculum incorporating virtual labs and optimal use of MIT, Stanford etc. (e.g. the university is already having NPTEL lectures, Sci Lab etc.)

- Planning to provide fulltime access (24×7) to all credible e-learning resources through facilitators like Google apps etc.
- The university is intending to upgrade its campus network infrastructure in a better advanced technological way.

4.4 Maintenance of Campus Facilities

4.4.1 Dose the university have an estate office/designated officer for overseeing the maintenance of buildings class room and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.

To look after University maintenance system of construction for buildings, classrooms and laboratories etc. the university has a construction and maintenance section which consists of civil engineers with a designated officer other assistant Engineers and various supporting staff with several junior engineers taking core for the maintenance and repair of the academic blocks, labs, power supply, roads, water supply lines, sewer lines, electric lines, and other important services for the improvement of the physical ambience.

During the several last years, some of the initiatives taken by the university to improve the physical ambience in the campus are as follows:

- Renovation of roads and academic blocks and laboratories.
- Renovation of roads and widening of pathways in the campus
- Making the laboratories well equipped up to date with advanced and modern instrumentation facilities and their maintenance.
- Plantation, land scaping and gardening for creating pollution free and dust free environment in the campus.
- Refurbishment undertaken in the library and university health centre and dispensary.

4.4.2 How are the infrastructure facilities, services and equipment maintained? Give details the University has infrastructure facilities in terms of buildings of academic departments & non-academic departments, hostel buildings besides having electricity network in sprawling campus.

The system of maintenance of infrastructure and services in the campus is continuously monitored. The university adopts an impeccable system of monitoring its necessities in maintaining its infrastructure. CVRU allocates a sufficient amount of expenditure towards maintenance of its infrastructure facilities, services and equipment in its annual budget. The budget is carefully managed by avoiding unnecessary expenditure and wastage in the sprawling campus. As, the day to day maintenance and repair of building reads and equipment is one of the primary responsibility of the university so, the designated officer of the maintenance department and construction section, identifies the required needs along with the physical facilities and plans for the implementation & approval from the committee by preparing a report.

Criterion-V

Student Support & Progression

CRITERION – V: STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

5.1.1 Does the University have a system for student support and mentoring? If yes, what are its structural and functional characteristics?

To facilitate the students in a number of ways, the university organizes and promotes all types of academic activities, games, sports and extra-curricular and cultural activities, every year for their support and mentoring.

The student mentoring and support occupies a central position in the university's overall provisions. CVRU 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:

- Pre-admission counselling
- Post admission counselling of students
- Providing learning guidelines to the students
- Providing financial guidelines and exam scheme guidance
- Monitoring the anti-ragging cell for the ragging free campus
- Helping students in hostel accommodation
- Availing guidance to the students regarding transport facility
- Making provision for the alumni association
- Providing facility of remedial classes
- Developing organizational abilities and leadership skills.
- Focussing on research thrust areas and building up research capabilities among the students.
- Developing service personality, socialization and ethical character.
- 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 programmes
- Promoting personality development and improving language skill and communication skill.
- Providing pre placement training and placement support
- Improving physical fitness and promoting gymnasium facilities and sports activities.
- Facilitating proper healthcare and first aid to all the students
- Enhancing cultural events, music and youth festivals to develop and socio-economic understanding and culture among the students.
- Helping in planning of educational tours, study tours and industrial visits for the students.

New academic year starts with proper and smooth orientation of students in each department to make them comfortable and familiar with the department programme, schedules and campus facilities. Every academic department has a mentoring system to council and support the students. Guidance is provided to the students for their career opportunities various welfare measures are adopted for the support of students and availed to the students as student support services. The students are provided with all the supportive information through website and notice boards regarding the class work, examinations, results and job opportunities. For the effective implementation of various initiatives required for the students support and mentoring, all the departmental committees are activated. Each faculty members is assigned a group of students for counselling and mentoring. The university provides scholarships to all the SC/ST/OBC students enrolled through a systematic procedure. The infrastructural facilities computers with internet and library facilities are well maintained and made available for the students in a well-structured and efficient manner with respect to the students support and facilitation. Advanced learners are encouraged to participate in all academic events and competitions and also in the cultural fests, technical fests, sports and games. Also, various students' oriented events are organized by the university in campus to promote the talent of the students. The grievance cell of the university takes initiatives and measures for the speedy redressal of the grievances.

5.1.2 Apart from classroom interaction, what are the provisions available for academic mentoring?

Several measures and mechanisms are being adopted and provisions are made for the academic mentoring by CVRU apart from the classrooms interaction:

- Peer group learning is promoted
- Students are provided a systematic way for an opportunity to meet the concerned faculty member for their further discussion and clarification in the subject concerned.
- The teachers are allotted and assigned as guides for undertaking the project work and taking up of the assignments.
- Interactive classrooms boards are used separately for effective learning especially for the slow learners.
- Subjective seminars are arranged by the faculty members specially and then attended and monitored to assess the students' performance to guide them for their further improvement and progress
- Additionally, the special lectures by the educationists, philanthropists, social workers, economists, industrialists and scientists are arranged for the students to inculcate the value based education along with interaction with the experts.
- For the benefit of the students towards attaining their goals, employment opportunities, creative attitude, entrepreneurial skills and communication skills, separate GD classes and counselling classes are arranged separately to train the students.
- Any academic issues, social and personal problems of the students are addressed the teacher-in charges of the classes through the grievance cell.
- Many collections of journals, magazines, epics and other resources are made available for the students in the library along with the books.

5.1.3 Does the University have any personal enhancement and development schemes such as career counselling, soft skill development, career-path-identification, and orientation to well-being for its students? Give details of such schemes.

Though the university does not have any particular scheme for any personal enhancement and development of the students, but the university enhances and promotes the career counselling, soft skill development, career path identification and student orientation towards their well-being throughout the learning session. The university promotes the active participation of the students in social literal, scientific, managerial, legal, economic, physical, acreer oriented, cultural and academic events as the philosophy of the university is to encourage its student's participation in various activities for developing their skills and competencies and to foster the holistic development. Development of the soft skills and skill – upgradation are the priorities in the curriculum design of the university. The tribal students and the students of rural back ground are provided with special attention, extra care and extra guidelines separately for their career path identification and financial guidelines to obtain the genuine social skills.

5.1.4 Does the University provide assistance to students for obtaining educational loans from banks and other financial institutions?

Students in need of the financial support for the purpose of education are assisted for the sanction of the same, but no formal assistance is provided to the students at their level respectively.

5.1.5 Does the University publish its updated prospectus and handbook annually? If yes, what are the main issues/activities/information included/provided to students through these documents? Is there a provision for online access?

The University regularly publish its prospectus in annual mode and makes it is available for the students both in print and as well on the University website with gradual yearly updations. The university's prospectus is published in two principle modes; i.e. the “The University information brochure” & “the student information brochure”.

- The “University Information brochure” contains all the offered programme details, course duration and the course details of the University faculty wise in every discipline. A brief history and introduction of the university, admission procedure, criteria and the eligibilities for the respective programmes. It also contains all the required information regarding the students support services, facilities and amenities such as lab, library, transport, health facility, hostels, computers, scholarships, sports, exams, fee structure etc. the prospectus of university information brochure also includes the names and address of the officers incharges for the duties assigned to them by the university management and administrative system. This information brochure contains all the information accordingly from initial front page alongwith the university preamble, index or content table, institutional vision, mission and objectives etc.

- The second mode of the prospectus is the "student information brochure" which consists of complete syllabus (syllabi) of the course offered in each constituent units with their jurisdiction subjectwise of the respective discipline of the student, exam scheme, exam pattern, entrance test and selection procedure details, mode of exam pattern and the related guidelines regarding the campus rules with Do's & Don'ts.

5.1.6 Specify the type and number of University scholarships/freeships given to the students during the last four years. Was financial aid given to them on time? Give details (in a tabular form) for the following categories: UG/PG/M.Phil./Ph.D./Diploma/others (please specify).

S.No	Session	UG	PG	Diploma	M.Phil	Ph.D
1	2010-11	497600	56150	500	22000	0
2	2011-12	932850	775750	20800	63250	1934500
3	2012-13	1252930	1042500	0	152500	1723000
4	2013-14	1399755	414350	42260	41900	333000
5	2014-15	1344500	351539	103561	10500	0
Total		**5427635**	**2640289**	**167121**	**290150**	**3990500**

5.1.7 What percentage of students receive financial assistance from state government, central government and other national agencies (Kishore Vaigyanik Protsahan Yojana (KVPY), SN Bose Fellow, etc.)?

As the university is situated in a tribal belt of the state of Chhattisgarh within the rural surroundings with an enormous diversity of the biological flora and fauna of its dense green, hilly and forest area; hence, most of the students of the university are from the rural background and tribal sections with a maximum percentage of the students in a huge number are benefitted from the state government scholarships, which can be availed obtained by the students through a systematic procedure with their scholarship ATM cards. Thus, the students of CVRU receive their financial assistance from the state government scholarship scheme. The university provides financial assistance and monetary service to financially backward and economically poor students when in a dire need from the university's own savings amount during any special request.

The following are the details of the students receiving the scholarships in the university for the last four years from the source of the state government:

Session	Total Enrolled Students	Sanctioned Scholarship In No. Of Students				
		OBC	SC	ST	MINORITY	TOTAL
2012-13	3667	1171	487	276	12	1946
2013-14	4752	871	314	169	20	1374
2014-15	4873	1028	463	250	-	1741

5.1.8 Does the University have an International Student Cell to attract foreign students and cater to their needs:

The Dr. C.V. Raman University is one of the most renowned private University of India that attracts students and scholar due to its various specialized disciplines on a regular basis from Nigeria etc. The office of the controller of admission and Examination has a special provision for foreign nationals and Non Resident Indians (NRI) as a part of chairs the University

5.1.9 Does the University provide assistance to students for obtaining educational loans from banks and other financial institutions?

Yes. Answer is already given in 5.1.4.

5.1.10 What types of support services are available for –

- **Overseas students –** The University provides hostel facility and internet facility through Wi-fi connectivity for the overseas students. CVRU has an advisor in special charge for the security of the foreign students and to take care of their clearance related issues during their stay. CVRU also takes care of their health care, grievance redressal in a fast track, VISA to the dependents, sports and cultural facilities and other support services.
- **Physically challenged / differently-abled students-**
  - The university provides special support in the examinations for these kind of students
  - Provides special facilities in the library

  - Gives priority in providing any kind of services.
  - The campus is sensitized to their needs by providing all necessary facilities such as wheel chairs, walkers, etc.

- **SC/ST, OBC and economically weaker sections:** As already been mentioned before that the university being situated in the tribal belt of rural area, the maximum number of its students are from the SC/ST/OBC category and of rural back round with economically weaker financial status. Thus, in pursuance of the UGC guidelines exclusively for the welfare of the SC/ST/OBC candidates, the duty has been assigned to the database section of the university for the responsibility to deal with the matter regarding implementation of the state governments' and Indian Government's policy for these SC/ST candidates in the admission process and other process in the university for their welfare. The university helps these students to avail the facility of scholarships by the state government and also the priority to the placement support and priority for the remedial classes.

- **Students participating in various competitions/conferences in India & abroad:** The students of CVRU are provided financial support for participating in the workshops, conferences, seminars, symposia, etc. in India and abroad and also encouraged continuously to participate in the various competitions across India students are sponsored for various events like youth festivals inter-university competitions and other competitions conducted by various organizations in India & the dean, students welfare (DSW) coordinates with various agencies and organizations to conduct competitions and conference for the students.

- **Health centre, health insurance etc.:** All the students are provided with the health care medical check-up first aid and other primary treatments in the university's health centre cum dispensary through all the available facilities at free of cost under the supervision of the chief medical officer (CMO) of the university in any sever cases and serious health problem, the CVRU students are recommended to the nearby "Sai Baba Nursing Home", Bilaspur for further Treatment with which CVRU has done the MOU. The health insurance policy & facility for the students at CVRU has yet not been developed till date.

- **Skill development (Spoken English and computer literacy etc.):**

- For the development of better skill among the students of CVRU and to enhance the skilled manpower, the University has already introduced one skill development course, value added course and enrichment course in a systematic manner to the first and last semester of the regular courses for the students of UG & PG regarding the spoken English and computer cognigency etc. compulsorily in all disciplines.

- The extra facility is provided to all the students to develop the communication skills, language proficiency and English language lab equipped with 30 computers of student console, 1 computer of teacher console through the "K-VAN solutions multimedia" language lab software Audio-Visual facility & Head Phones.

- The University also arranges special training to the students for enhancing leadership skills, time management, scientific questionnaire designing, data analysis & interpretation, report writing skills, presentation skills and logistics etc.

➢ **Performance enhancement of slow learners:**

- The slow learners and advanced learners are identified by conducting the periodic class tests and through the teacher in charges of the respective classes.

- Remedial classes are arranged in the required subjects for the slow learners with special lectures arranged on the basics useful to make them understand higher level topics. The use of models during the lecture and audio-visual help them to better understand and cope with the subject.

- In order to enhance the performance of the slow learners, learning teams are formulated. Although no specific policy exists to facilitate the performance of the slow learners, however, the teachers individually also take care of the academic needs of the slow learners.

➢ **Exposure of students to other institutions of higher learning/corporates/business houses etc.:**

- During the training period of students and also during the extra time other than the training periods, students are sent to the institutions of higher learning/industries/corporate in order to make them compete with the other community through the industrial visits, study tours, educational excursion etc.

- Experts from the industry & corporate levels are invited to deliver the lectures and interact with the students in the university to provide them with industrial exposure and corporate look.
- Experienced learning is given priority in the curriculum.

5.1.11 Does the University provide guidance and/or conduct coaching classes for students appearing for Civil Services, Defines Services, NET SET and any other competitive examinations? If yes, what is the outcome?

Yes University provides guidance for students appearing NET, GATE, Civil Services, Railway, Banking etc. The list of selected students in different fields are as follows:-

- GATE – 9
- NET – 9
- UPSC – Nil
- PSC – Nil
- Banking – 2
- Railways – Nil
- CGTET – Nil
- Others – 9

5.1.12 Mention the policies of the University for enhancing student participation in sports and extracurricular activities through strategies/schemes such as : -

- **Additional academic support and academic flexibility in examinations**
- **Special dietary requirements, sports uniform and materials**
- **Any other (please specify)**

The University is always supporting the students to actively participate in sports, games and other extracurricular activities. As CVRU is already known for its sports and other extracurricular activities related to performance in art and literature, culture, music etc., the university has already constituted various clubs such as, fine arts club, literary club, music club and science club.

- **Additional academic support and academic flexibility in examinations –**

  As it is already known, being the member of the association of the Indian Universities (AIU), the students of CVRU gets the significant opportunity directly to participate in the National Youth Festival organized by AIU and All India youth and cultural affairs jointly every year in various zones of India. Hence, CVRU students are encouraged, promoted, enhanced and need to prepare and participation in all the extracurricular activities arranged in the youth festival at national level such as music, dance, literature, fine arts, etc. So, the university offers a sufficient academic flexibility and relaxation in the mandatory classroom attendance and examinations to the outstanding student performers.

  Also, the same academic flexibility is provided and offered to the outstanding student performers in sports, games etc. in the Intra University or inter university sports tournaments, activities and competitions.

- **Special dietary requirements, sports uniform and materials: -**

  Further, the university provides special financial assistance to the students participating in the sports and extracurricular activities for the fulfilment of their extra dietary requirements, sports uniforms and other need based materials etc.

5.1.13 Does the University have an institutionalized mechanism for students' placement? What are the services provided to help students identify job opportunities, prepare them for interview, and develop entrepreneurship skills?

The university has a structured system for guidance and placement of the students. There is a training and placement cell with a training and placement officer (TPO) helping students in getting placements, arranging training and organizing, workshops, lectures, GD mock interviews. The training and placement cell is providing all the supporting services for the career opportunities and placement of the students and developing their entrepreneurship skills. The job responsibilities of the training & placement office of CVRU generally includes:

- Dissemination to the job oriented information and job related activities in various academic departments.
- To approach interact and invite the companies for the campus placement.
- To coordinate with the placement coordinators and heads of the respective departments.
- To coordinate for the off campus interviews
- To provide training and guidelines to the students as a pre placement activity and prepare them for the group discussions, mock interviews, interviews, writing and preparing their resume/curriculum vitae (CV) and also to develop their EP – skills.
- To invite corporate level speakers for providing efficient guidance, motivation and placement training system management to the students regarding job awareness and opportunities.

5.1.14 Give the number of students selected during campus interviews by different employers (List of Employer and the number of companies who visited the campus during last four years)

The university has fully functional unit as a Training and Placement Office (TPO) to take care of the student requirements of Trainings and Placements. Over the years, the department has maintained symbiotic, vibrant and purposeful relationship with Industries across the country and as a result, has built up an impressive placement record both in terms of percentage of registered students placed, as well as the number of companies visiting the campus.

Training and Placement Cell of CVRU sincerely believes in comprehensively training the students to face the corporate world and have a successful professional career. Almost, all the eligible students have been placed in reputed companies with some of them having more than one offer.

The list is furnished below where the complete details regarding the training and placement the students has been mentioned:

2012-2013

Sl. No.	Date of Campus Recruitment	Name of the Company	Mode of Campus Recruitment	No. of Selected Students
1	22.11.12 to 24.11.12	SRISHTI INFRA BUILD PVT LTD.	On Campus	7
2	27.11.12	BIRLA SUN LIFE INSURANCE CO. LTD.	On Campus	6
3	01.12.12	UMANG SOFTWARE PVT. LTD.	On Campus	7
4	05.12.12	INDIA ACTIVE SOFTWARE INC.	On Campus	4
5	7.12.12	BHARAT HOSIERY, BILASPUR	On Campus	6
6	19.12.2012	INDIA INFOLINE LTD (IIFL)., BILASPUR	On Campus	4
8	23.01.13 to 24.01.13	DOMINO'S PIZZA, INDORE	On Campus	5
9	03.02.13	TOP N TOWN, BHOPAL	On Campus	2
10	13.02.13	MAHESHWARI COAL BENEFICATION PVT. LTD.	On Campus	8
11	16.02.13	ICAN Info Soft Pvt. Ltd., Raipur	On Campus	5
13	21.03.2013	Maa Harsiddhi Infra Developers P.L, Bilaspur	On Campus	12
15	05.05.2013	Bajaj Capital Ltd.	On Campus	2
16	Jun-13	Amber Automobiles	On Campus	2
17	11.06.13	ICICI PRUDENTIAL Bancaassurance	On Campus	2

2013-2014

Sl. No.	Date of Campus	Name of the Company	Mode of Campus	No. of Students Selected
18	01.07.13	Neelkantha Electromech Pvt. Ltd.,Gajiyabad	On Campus	12
19	25.07.13	SATYA AUTO MOBILES PVT. LTD. Old Bus Stand Bilaspur	Off Campus	4
20	03.08.13	WES Consultants and Services Pvt. Ltd.,Raipur	On Campus	5
21	06.08.13	Sky Alloys & Power Pvt. Ltd., Kharsia,Robertson	Off Campus	1
22	07.08.13	Prayas Advertiser, Bilaspur	Off Campus	1
23	08.08.13	Vision Technology Service, Kolkata	On Campus	1
24	15-16.11.13	Yati Realtors Pvt. Ltd.,BSP	On Campus	6
25	26.11.13	Shivam Motors	Off Campus	2
27	7.12.13	Kotak Mahindra Bank Pvt. Ltd.	On Campus	1
28	18 & 21.01.2014	Smart School Education Pvt. Ltd	On Campus	15
29	09.11/02/14	Whippy Solution	On Campus	9

31	25.03.2014	Mahindra & Mahindra Ltd. Auto Centre, Bilaspur	On Campus	6
32	11.04.14	National Institute of Banking & Finance **(NIBF)**,Raipur	On Campus	17
33	15-16.04.2014	Automation Engineer & Green Leaf India, Raipur	On Campus	4
34	15.04.2014	UNISOFT TECHNOLOGIES (Soft Park), Nagpur	On Campus	12
35	15-16.04.2014	Green Leaf Of India, Raipur	On Campus	6
36	29.04.14	Paras Power & Coal Benefication Ltd.,BSP	On Campus	4
37	09.05.14	Febmail Digital Solutions (P) Ltd.	Off Campus	1
38	15.05.14	Indusind Bank Ltd., Bilaspur	On Campus	4
39	16.05.14	EICS Group of Companies, Bilaspur	On Campus	17
40	26.06.14	RAJAT ISPAT, RAIGARH	On Campus	5

2014-2015

Sl. No.	Date of Campus	Name of the Company	Mode of Campus	No. of Students Selected
41	05.07.14	Tayaltech,Bilaspur	Off Campus	4
43	09.10.14	Megha Engineering Pvt. Ltd.	Off Campus	1
44	01.11.14	Shrishti Infrabuild	Off Campus	1
45	14-Nov	36 City Mall	Off Campus	1
46	10.12.14	Narmada Cold Drinks, Sirgitty,Bsp	Off Campus	1
47	15.12.14	Mahindra Auto Centre,Sirgitty	Off Campus	4
49	24.12.14	Bilaspur Ceremics Pvt. Ltd.,Torwa, Bilaspur	Off Campus	2
50	24.12.2014	NIIT,C.M.D. Chk.,Apolo City Centre, Bilaspur	Off Campus	1
52	08.01.2015	Krishna Enterprises ,Telipara Bilaspur	Off Campus	8
53	24.01.15	Megha Engineering Pvt. Ltd.	Off Campus	1
54	07.02.15	Creative Mind, Infront of Magneto mall	On Campus	3
55	09.02.15	Arpa Bhaisa Jhar Govt. Project., Bilaspur	Off Campus	1
56	02.03.15	Fine Vibes Services Pvt. Ltd., Faridabad.,	Off Campus	3
57	10.03.15	Spitech Software System Pvt. Ltd.,Bilaspur	On Campus	8
58	20-21.03.15	Shriram Transport Finance Co. Ltd.	On Campus	13
59	30.03.15	IANT Computer System P.L.	On Campus	4

60	11.04.15	Creative Mind Olympiad, Bilaspur	On Campus	13
61	13.04.15	SGS Technomech,Punjab	On Campus	5

2015-2016				
Sl. No.	**Date of Campus**	**Name of the Company**		**No. of Students Selected**
62	07.07.15	ESAF Microfinance,Kerala	On Campus	19
63	13.07.15	Axis Bank Ltd., Raipur (Open Campus)	On Campus	Result Awaited
64	17.07.15	Shivam Tata Motors, Bilaspur	Off Campus	4
65	01.08.15	Kapila Infrabuild, Telipara, Bilaspur	Off Campus	1
66	25.08.15	Abha Power Plant, Silpahari, Bilaspur	Off Campus	5
67	10.09.15	Lanco Infratech Limited, Gurgaon	Open Campus	Result Awaited

5.1.15 Does the University have a registered Alumni Association? If yes, what are its activities and contributions to the development of the University?

To optimize the efforts of alumni community and also to bring in the synergy, the university has setup an alumni association of CVRU, which has been registered by the vice chancellor of the university carrying its various objectives such as:

- To ensure effective interface with the alumni body worldwide
- To facilitate all types of ongoing initiatives.
- To leverage the potential of huge alumni network to explore new avenues for cooperation and collaboration with other institutions.

The alumni association of the university is very active in extending support to the institution in all the spheres. The association is actively engaged in the enrolment of members and persuading them to contribute for the development of the respective department in all possible ways. The alumni of the university are in a prominent position in academic institutions judiciary, administration, politics, journalism, arts, humanities, scientific and technological institutes, R and D laboratories, IT companies, industries, health and engineering section. Many of the alumni of this university occupied important positions in the government administration and research organizations also and also some are settled and working in the abroad countries too in various public sector and private sector organizations. Thus, alumni are contributing in a good proportion for the development of the university.

5.1.16 Does the University have a student grievance redressal cell? Give details of the nature of grievances reported. How were they redressed?

The university does have a student grievance redressal cell constituted with university officers. At the university level, the vice chancellor, along with all the deans and certain other officers of the university meets the students on each scheduled day decided by the grievance redressal cell and most of the grievances related to their examinations, results, learning and any academic issues and other issues on the campus life are discussed and given a hearing to these grievances formally and informally to provide the redressal. The discussion regarding the “students” conduct and discipline rules are also entertained.

5.1.17 Does the University promote a gender-sensitive environment by (i) conducting gender related programmes, (ii) establishing a cell and mechanism to deal with issues related to sexual harassment? Give details.

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 programmes:

- Organizing programmes on women empowerment.
- Arranging for sensitization activities through discussions, film screens, posters etc.
- Organizing various competions such as Rangoli, paintaing and drawing on a specific theme “Save Girls”.
- Preparing students for gender awareness programmes and activities.

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

As already mentioned before that 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.

5.1.18 Is there an anti-ragging committee? How many instances, if any, have been reported during the last four years and what action has been taken in these cases?

Yes, an anti-ragging committee has been constituted in the university which remains very vigilant and active throughout the session every year. As, Dr. C.V. Raman University is having the distinction of keeping the campus ragging free, so like a heartening fact, CVRU has been almost a zero-ragging campus in the recent years. Hence, no cases/incidents have been reported during the last four years in campus regarding any kind of ragging. The chairman of the committee sensitize the students about the menace of ragging particularly as per the guidelines of the Honourable Supreme court.

5.1.19 How does the University elicit the cooperation of all its stakeholders to ensure the overall development of its students?

The university involves all its stakeholders in planning, implementing and evaluating the academic programmes for the overall development of its students. All the stakeholders if the university viz. students, teaching faculty, non-teaching employees, deans, officers incharges, alumni, are involved in all decision making processes of the university by the way of getting their importance in various steps and activities. Besides this, the stakeholders are keenly associated also in the cultural, academic and intellectual events. The board of studies and the academic council and executive council of the university comprise of some representatives from the including the reputed personalities of the society. These personalities being the stakeholders, are invited to participate, cooperate, and contribute to the institutional activities as the co-opted members in various department of studies of the universities.

5.1.20 How does the University ensure the participation of women students in intra- and inter-institutional sports competitions and cultural activities? Provide details of sports and cultural activities where such efforts were made.

The university often encourages its women student to participate in intra and inter institutional sports competitions and cultural activities. Female teachers are assigned as teacher counsellors and instructors to encourage women students to participate in the sports and cultural activities. Women students at CVRU avail themselves of equal opportunities and facilities in all the activities and they have often brought laurels to the university even in sports and cultural programmes, besides the academics.

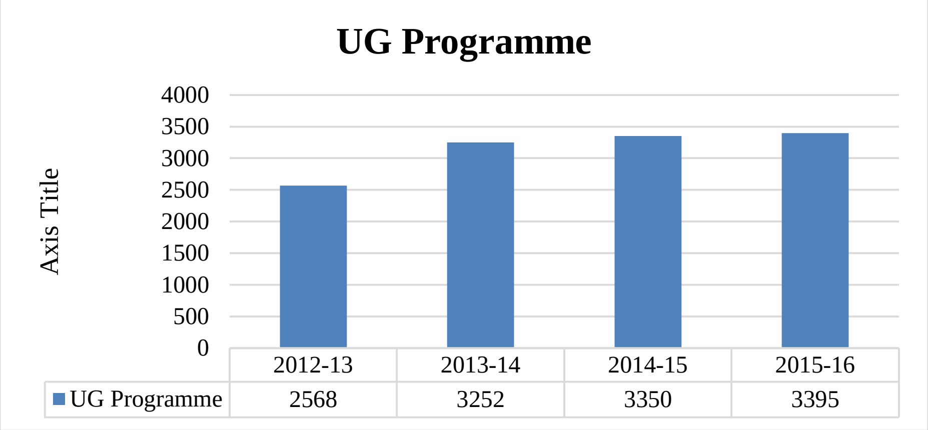
One of the student of the university named Ms. Yamini Jaiswal own Shaheed Pankaj Vikram award in volley ball, also American scholarship received by Uttara Yadav (BE Civil), & number of female students are participating in youth festival conducted by AIU (Association of Indian Universities) and they have get prize on that festival.

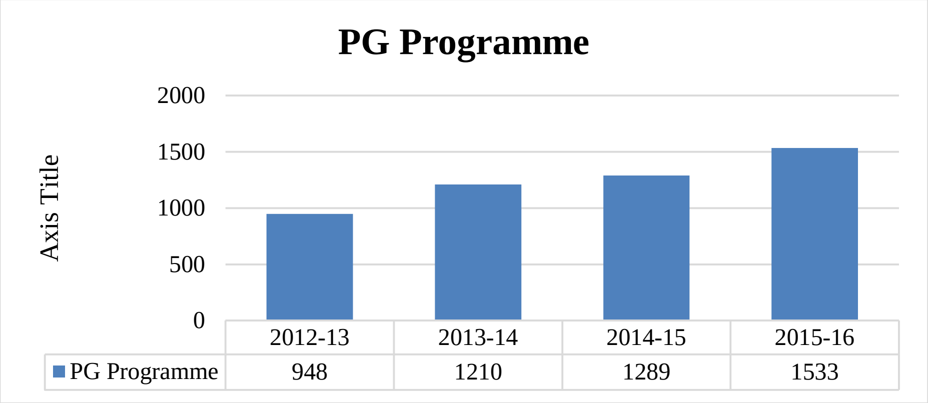
5.2 STUDENT PROGRESSION

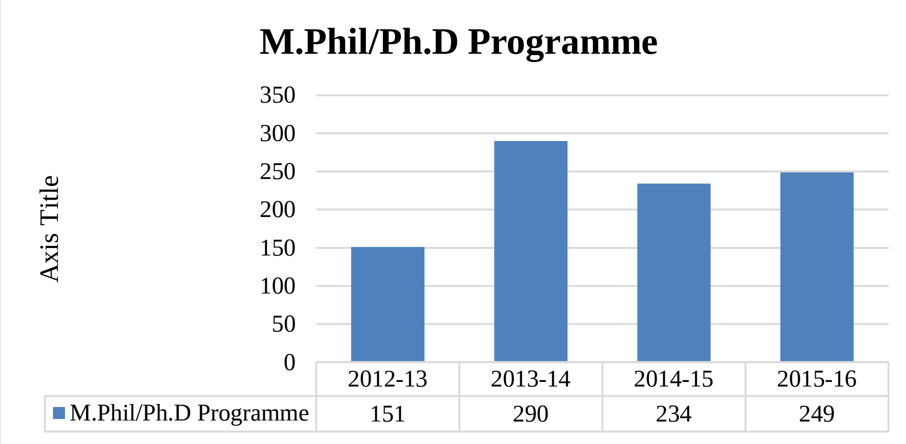
5.2.1 What is the student strength of the University for the current academic year? Analyse the Programme-wise data and provide the trends for the last four years.

The students' strength in the current academic session 2015-16 is as follows:

UG	**3395**
PG	**1533**
M.Phil/Ph.D.	**249**







Analysis of the programme wise available data reveals that there is a steady increase in the strength of the students admitted in the PG Courses of the university during the last four years, while the students strength for the admission in the UG programmes became static and in balanced equilibrium after a sudden increase before the last session. Whereas, the number of student enrolment in M.Phil. and Ph.D research programmes got a slight decrease gradually. However in the M.Phil. and Ph.D. programmes, the enrolment of the students depend on the availability of the seats under the teacher guides for which as per the rules, a professor can have maximum of five research scholars, on associate professor can have four and an assistant professor can have three at a time.

5.2.2 What is the programme-wise completion rate during the time span stipulated by the University?

Students Pass %

Programme	**2011-12**	**2012-13**	**2013-14**	**2014-15**
UG	88.76 %	90.10%	90.91%	73.54%
PG	92.13%	76.68%	87.50%	81.95%
Diploma	87.18%	73.21%	65.45%	91.80%
PG Diploma	89.11%	87.62%	86.49%	94.12%

5.2.3 What is the number and percentage of students who appeared/ qualified in examinations like UGC-CSIR-NET, UGC-NET, SLET, ATE/CAT/GRE/TOFEL/GMAT/Central/State services, Defence, Civil Services, etc.?

Please refer to Question 5.1.11 & Departmental Evaluative Report Question No. 34

5.2.4 Provide category-wise details regarding the number of Ph.D./ D.Litt./D.Sc. theses submitted/accepted/resubmitted/ rejected in the last four years.

Year	Ph.D Awarded	M.Phil. Awarded
2012	0	143
2013	0	136
2104	12	224
2015	45	Awaited

5.3 Student Participation and Activities

5.3.1 List the range of sports, cultural and extracurricular activities available to students. Furnish the programme calendar and provide details of students' participation.

CVRU has a rich and glorious tradition of games and sports and also has a significant range of cultural and extracurricular activities. As CVRU has its own sports club and cultural & co-curricular activity monitoring system with various clubs such as literary club, fine arts club, science club, etc. which takes care of the students participation in various activities of the university at a systematic range. The details of the students participation programme activity and event wise are furnished below:

Cultural Participation:

	2011-12	2012-13		2013-14		2014-15	
Name of Event	**University Level**	**Youth Festival Osmania University Hyderabad**	**University Level**	**Youth Festival Kakatiya University Warangal**	**University Level**	**Youth Festival Brahmapur University Odisha**	**University Level**
(1) Music							
Vocal Solo Light	6	1	5	1	5	1	7
Group song Indian	14	9	9	8	12	3	17
Group song Western			8	8			12
Classical Instrumental (solo)	3		1		3	1	2
(2) Dance							
Folk/ Tribal Dance (Group)	32		28	10	38	10	30
Classical Dance (Solo)	3	1	2		2	1	1
(3)Literary Event							
Quiz	21	3	24	3	28	3	30
Elocution			1	1	5		
Debate	14	2	12	2	18	2	21

Extempore	9		7		9		12
Kavya Path	6		8		6		9
(4) Theatre							
One Act Play	10	12	8		11	9	7
Skits			7		10	6	6
Mime			9	6	12		15
Mimicry							3
(5) Fine Arts							
On the Spot Painting	18	1	22	1	19	1	25
College		1	6	1	6		11
Poster Making	4		9		6		8
Clay Modeling	5		11	1	8	1	8
Cartooning							
Rangoli	25	1	32	1	28	1	37
Spot Photography	7	1	6	1	8	1(won 3rd prize)	12
Mehandi	25		30		19		32
Pooja Thali	19		22		25		24
Salad Decoration	10		10		12		8
flower Decoration	8		7		10		12

Sports/Games Participation

Dr. C.V.Raman University has a rich glorious tradition of games and sports and gives a chance to the players to participate in various state and national level tournaments. Dr. C.V. Raman University has the attractive Football and Hockey grass ground a Running Track of 200m. One outdoor Badminton court, Two outdoor Volleyball court, Handball court and Netball court available for practice. Kabaddi and Kho-Kho playground for players, Cricket net and pitch are also available for net practice of Cricket players. CVRU provides Multi Gymnasium for students with all the facilities. Indoor games includes Table tennis, Chess, Carom, etc. which are also available.

Important projects in the pipe line

1. Multipurpose indoor hall for indoor sports and games.
2. The construction of outdoor shooting range for Archery.

3. Cinder athletic track (400 m 08 lane).
4. Cemented Basketball court.
5. Football field with spectator stand.
6. Hockey field with spectator stand.
7. Cricket field with pavilion.

Games and Sports Facility

Game	Facility available
Football	Football Ground
Hockey	Hockey Ground
Track	Athletic Ground with 6 lane 200 meter track and field facility
Badminton	Outdoor Badminton court
Volleyball	02 Volleyball courts
Handball	01 Handball court
Netball	01 Netball court
Kabaddi	02 Kabaddi Grounds
Kho-Kho	01 Kho-Kho Ground
Cricket	Cricket pitch for net practice
Gymnasium	Facility for body building, Weight lifting, Power lifting etc.
Table tennis	Indoor hall facility
Others	Chess, Carom etc.

Volume of students participation

For Inter University tournaments the University participates in different games and sports and locally at University level the University Physical Education and sports department organizes the annual sports and games in various field of sports.

For Intramural competition students of all departments are divided in six to eight groups. Before the annual sports tournament, selection by trial or matches are organized for selection of teams every year and in which about 60% of students take part.

Students participation (Annual Sports and Games) Year wise

Game/Sports	2012-13			2013-14			2014-15		
	Boys	Girls		Boys	Girls		Boys	Girls	
Chess	40	24	64	30	25	55	24	22	46
Carom	54	26	80	30	30	60	17	16	33
Cricket	86	-	86	77	-	77	96	-	96

Track & Field	90	55	145	110	81	191	64	41	105
Kho-Kho	84	60	144	54	48	102	79	50	129
Volleyball	60	36	96	72	-	72	66	-	66
Badminton	45	29	74	28	23	51	35	35	70
Total	**459**	**230**	**689**	**401**	**207**	**608**	**381**	**164**	**545**

5.3.2 Give details of the achievements of students in co-curricular, extracurricular and cultural activities at different levels: University/State/Zonal/National/ International, etc. During the last four years.

a) **Games and sports activities**
b) **Students participation (Inter University)**

Game/Sports	2011-12	2012-13	2013-14	2014-15
Volleyball	12	19	-	-
Netball	12	-	-	-
Cross country	-	06	-	-
Swimming	-	02	-	-
Football	-	16	16	-
Kho-Kho	-	-	-	12
Kabaddi	-	-	-	08

2011-12

Sr.	Activity/ Competition	Level	Place	Date	No Of Players		Total	No Of Officials		Total	Position
					Boys	Girls		Coach	Man.		
1.	Volleyball (W)	East Zone	Utkal University Bhubneshwar	01/11/11 to 04/11/11	-	12	12	01	01	02	Participation
2.	Netball	All India	Guru Ghasidas University Bilaspur	20/01/12 to 28/01/12	12	-	12	01	01	02	

2012-13

Sr.	Activity/ Competition	Level	Place	Date	No Of Players		Total	No Of Officials		Total	Position
					Boys	Girls		Coach	Man.		
1.	Cross Country (M) (Inter University)	All India	RSTM Uni. Nagpur	10/10/12 To 13/10/12	06	-	06	01	01	02	Participation

2.	Swimming (M) (Inter University)	All India	University of Kolkata	02/10/12 To 06/10/12	02	-	02	00	01	01	Participation
3.	Football (M)	C.G. State Inter University	CSVT University	08/11/12 to 10/11/12	16	-	16	01	01	02	
4.	Volleyball (M)	C.G. State Inter University	Rajmohini University Ambikapur	29/11/12/ to 30/11/12	12	-	12	01	01	02	
5.	Volleyball (W)	C.G. State Inter University	Rajmohini University Ambikapur	29/11/12/ to 30/11/12	-	07	07	01	01	02	

2013-2014

Sr.	Activity/ Competition	Level	Place	Date	No Of Players		Total	No Of Officials		Total	Position
					Boys	Girls		Coach	Man.		
1.	Football (M)	Central Zone	LNIPE Gwalior	07/10/13 to 11/10/13	16	-	16	01	01	02	

2014-2015

Sr.	Activity/ Competition	Level	Place	Date	No Of Players		Total	No Of Officials		Total	Position
					Boys	Girls		Coach	Man.		
1.	Kho-Kho (M)	Eastl Zone	LN Mithila University Darbhanga	01/12/14 to 04/12/14	12	-	12	01	01	02	
2.	Kabaddi (M)	East Zone	Bilaspur University Bilaspur	09/02/15 to 11/02/15	08	-	08	01	01	02	

Eminent Players

Yamini Jaiswal (Volleyball)	Represented C.G. state Senior National team 12 times Represented University Volleyball team Represented C.G. state in Rural National team 03 times Represented M.P. , C.G. state team in School National 07 times **Pankaj Vikram Awardee** (2010) given by Chhattisgarh state Government
Sanjeev Prasad	Represented Odisha Ranji Trophy Cricket team in 1997,1999,2001 Represented Chhattisgarh state veteran team Participated Inter University Football
Diwakar Thapa (Football)	Represented MP state team at **Santosh trophy** (2009-10) Football Represented MP State Football team at National tournaments Participated Inter University and All India Football

c) Extra-curricular

	2011-12	2012-13		2013-14		2014-15	
Name of Event	**University Level**	**Youth Festival Osmania University Hyderabad**	**University Level**	**Youth Festival Kakatiya University Warangal**	**University Level**	**Youth Festival Brahmapur University Odisha**	**University Level**
(1) Music							
Vocal Solo Light	6	1	5	1	5	1	7
Group song Indian	14	9	9	8	12	3	17
Group song Westesn			8	8			12
Classical Instrumental (solo)	3		1		3	1	2
(2) Dance							
Folk/ Tribal Dance (Group)	32		28	10	38	10	30
Classical Dance (Solo)	3	1	2		2	1	1
(3)Literary Event							
Quiz	21	3	24	3	28	3	30
Elocution			1	1	5		
Debate	14	2	12	2	18	2	21
Extempore	9		7		9		12
Kavya Path	6		8		6		9
(4) Theatre							
One Act Play	10	12	8		11	9	7
Skits			7		10	6	6
Mime			9	6	12		15
Mimicry							3
(5) Fine Arts							
On the Spot Painting	18	1	22	1	19	1	25
College		1	6	1	6		11
Poster Making	4		9		6		8
Clay Modeling	5		11	1	8	1	8
Cartooning							
Rangoli	25	1	32	1	28	1	37
Spot Photography	7	1	6	1	8	1(won 3rd prize)	12
Mehandi	25		30		19		32
Pooja Thali	19		22		25		24
Salad Decoration	10		10		12		8
flower Decoration	8		7		10		12

d) NSS

The University has the chapter of NSS which is a voluntary organization with a purpose to inculcate among the spirit of service to the people. The student get themselves enrolled in large numbers for the following purpose. The student volunteer inculcate the spirit of participation among their members and helps the organization to achieve the following-

- Health check-up camp
- Tree Plantation
- Awareness campaign about raging.
- Awareness campaign about No Polythene.
- Awareness campaign about hygiene to slum dwellers in adopted village.
- Awareness campaign about Traffic control.
- Visiting the orphanages, old peoples home etc. (Mothers/Father's day)

5.3.3 Does the University conduct special drives/campaigns for students to promote heritage consciousness?

Yes, the university conduct special and regular drives/campaigns for students to promote cultural & historical heritage consciousness. The following activities were conducted by the University for Heritage Consciousness among students and faculties:

- ➢ Recording & broadcasting the cultural programmes for local community i.e. Panthi Nitrya, Rawat Nach, Pandwani etc. by using university's own community radio i.e. Radio Raman 90.4.
- ➢ Faculty and students visited historical Monuments Ratanpur, Pali, Sirpur, Tala, Shivrinarayan etc.
- ➢ On article specially reserved for cultural/historical field in University research journal.

5.3.4 How does the University involve and encourage its students to publish materials like catalogues, wall magazines, college magazine, and other material? List the major publications/ materials brought out by the students during the last four

academic sessions.

No

5.3.5 Does the University have a Student Council or any other similar body? Give details on its constitution, activities and funding.

Yes, the university has set up a structured body for the students council. The student council members are nominated by heads of the respective academic departments through the approval fo the Vice Chancellor based on the merit of students. Further the students union election is arranged for the boys and girls with nominated members as student union president, vice president, secretary, co-secretary and the respective class representatives. The student union through the council takes the responsibility of the academic and cultural events of the university. The term of the students union.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them. Also provide details of their activities.

Students of the university have been participated in both academic and administrative bodies in which their activities are done as below:

Academic Bodies:

1. Curricular design committee - students give the feedback and participate for design of course curriculum.
2. Departmental seminar/conference/workshop committee – participation of the students as a volunteer services/conduction committee.

Administrative bodies:

1. Anti-ragging committee
2. Sexual harassment committee
3. Grievance redressal cell

Criterion-VI

Governance, Leadership & Management

CRITERION – VI: GOVERNANCE, LEADERSHIP, AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and Mission of the university

Vision Statement

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 Statement

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.

CVRU continues its journey with its various missions as under:

- To create new frontiers of knowledge in quest for development of a Humane & society.
- To ensure adequate career preparation for its students by focussing on their skill development which will enable them to lead productive lives.
- The university aims to provide a high standard of education that goes beyond the classroom and inculcates a culture of research and practical application.
- To develop innovative programme which will cater to the needs of a diverse body of student and their expectations.
- To be a leading public research university that is globally aware and involved, accessible and responsive to the many constituencies it serves and fully integrated with the intellectual social and economic development of the state while delivering excellent programs of teaching, research, and services.
- CVRU must be an intellectual and cultural power house and must provide all the comfortable requisites, state of art facilities amenities

and laboratories etc. with all teachers and students for enhancing the teaching and learning.

- CVRU pedagogy inculcates various aspects of teaching which not only nurtures intellect but ethical and cultural standards of each and every student.
- CVRU must enhance its historic strength in natural resources, engineering, mathematics and natural and physical sciences.
- CVRU must be recognized for offering a comprehensive range of undergraduate and graduate programmes.
- The University embraces its role as a major contributor to the economic development of the state through targeted research and as the largest provider of quality education in India.
- To promote study in areas of contemporary relevance and societal importance
- To make special provisions for creation and dissemination of knowledge and to impart training in specialized areas that bear direct relationship to industrial establishment.
- CVRU must be known for the transfer of ideas and technology to the public, supported by facility and staff relationships with industry, community organization, and govt. entities.
- CVRU must be known to be strategically extending its resources and expertise throughout the entire state for the benefit of citizens, offering access for working and place bound learner through its meridian campus and distance learning programs.
- CVRU must be committed to its tradition of instilling among its students and alumni, ideals of diversity, citizenship, leadership, and service.
- Enhancing the qualities of students to become top level leaders, scholars and international persons.
- CVRU is an intellectual and cultural power house. It is providing comfortable housing, proper meals, and adequate gaming facilities, modern class rooms, advanced labs, and requisite to its students for further teaching/learning experience.

- CVRU is known to educate the citizens and leaders of our society through the commitment to the transformative power of a liberal arts and science education.
- An Institution like CVRU has taken a responsibility to explore new terrain and seek new insights along with the retention of old traditions and wisdom.

6.1.2 Does the mission statement define the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, the institution's tradition and value orientations, its vision for the future, etc.?

Yes of course it does. The mission statement of the University definitely defines the distinctive characteristics of the institution in terms of needs of the society and the students towards value orientation and future vision. The University fulfils the societal needs significantly by the student socio-economic interaction through it skill development programmes as well as through the ICT enabled-innovative-driven approaches to its pedagogy by learning through their participation and interests focused on the national priorities and social needs. CVRU is engaged with extension and outreach search programmes through its long standing University Teaching Departments (UTD), Centre for Open & Distance Education (IODE), National Skill Development Centre (NSDC) and National Social Services (NSS). This defines the University's distinctive characteristics in addressing the needs of the society. The university further carries out its mission of providing education in terms of industry access and equity by admitting from distant states and educationally backward districts. In our education-driven world, in which the ideals of common good are disappearing, our university reminds the pivotal position of education in our society. In a runway world, the primary ancillary duty of the universities is to guard, criticise and re-imagine the duties and provisions of the state, to define the best purposes of its nation's endeavours, to configure the well-being of its society. Our purpose statement carries with it the responsibility, the traditions and the forward thinking exemplified by all who are associated with the University – its faculty and staff and its current and former students. The university has lived up to the expectation of offering course to suit the needs of the society and the industry by foreseeing the needs of the nation reflects the vision statement of the university.

CVRU aims and put its best to provide a high standard of education that goes beyond the classroom and inculcates a culture of research and practical application.

6.1.3 How is the leadership involved?

a) In ensuring the organizations management system developing implementation and continuous improvement?

Regular meetings and interactions with the stake holders are held. The main bodies involved are academic council (AC), board of studies (BoS), board of management (BOM) & Board of Exam (BOE). A continuous process of democratic brainstorming and discussions on the various issues at hands for the University are taken up by the leadership with each and every representative body of the teachers, students, and non – teaching staff in valid mediums of interaction through these bodies. In these meeting the representation of various categories/ provisions are made. The academic council is the apex body chaired by the vice-chancellor of the university to review the academic programmes and to suggest new changes, improvements and implementation. The board of research studies reviews the progress of the research in the university and develops plans for quality management and advancements in research under the chairmanship of the vice chancellor and the director of research. The board of studies reviews the needs of the discipline and recommends the innovative programmes and changes. The departmental research team in coordination with the research cell takes care of the research related issues. The vice chancellor at the top level and the head of the department at the departmental level manages and plans the processes related to teaching, learning and evaluation. The board of management plans, manages and executes all the issues of the university at the managerial level of processing. The vice-chancellor, registrar and the other administrative officers are involved in planning and development of infrastructure and other support service.

b) In interacting with its stakeholder.

The leadership of the university interacts regularly with its students of different groups and collects formal and informal feedback to understand their problems, and to resolve them. To promote industry academia interaction, the university leadership organizes periodical meets for its stakeholders. The alumni association are given an active role with specific response in various activities of the university. The meetings are held regularly and views of all stakeholders are represented by strategic way to derive usability objective and to gain commitment to usability in order to provide members with the opportunity for communication and interaction.

c) In reinforcing a culture of excellence.

The university provides leadership in promoting quality, skill, knowledge dissemination and innovativeness in reinforcing a culture of excellence. With the new mindset of excellence in place, our statutory bodies on achieving the specific goals and plan for performance excellence by dealing with the challenges and change. Statutory body regularly monitors the proposal of Board of Studies which is scrutinized at faculty level, then at the level of CASR, chaired by the V.C. and the academic council. The best performers of the university (student/teacher) are appropriately recognized and rewarded by the university administration.

d) In identifying organizational needs and striving to fulfil them.

The needs of the university are identified continuously through regular interaction with all stakeholders and in the development and growth of the university. These significant needs are fulfilled and executed very effectively. The help and support is sought from all stakeholders in fulfilling the organization needs.

6.1.4 Where any of the top leadership position of the University vacant for more than a year? If yes, state the reason.

No.

6.1.5 Does the University ensure that all position in its various statutory bodies are filled and meetings conducted regularly?

Yes.

6.1.6 Does the University promote a culture of participative management? If yes, indicate the levels of participative management.

The statutory bodies primarily run the University where decisions are taken with full participation of its members that include elected members from the various segments of stakeholders, including faculty, non-teaching and external members, to give objectivity to the participation, apart from the statutory post holders and leadership of the University.

All the members belonging to statutory and representative bodies are very well informed about the agendas in order to provide full opportunity of participant.

All the faculty members of their respective Board of Studies, all the professors & associate professors of the Department are members of faculty. All the Deans, Chairmen of Department of Studies, and elected representatives from among the faculty and students are the members of Academic council. There are external members in each of the above statutory bodies, including from the visitors nominees.

6.1.7 Give details of the academic and administrative leadership provided by the University to its affiliated colleges and the support encouragement given to them to become autonomous.

N. A.

6.1.8 Have any provisions been incorporated / introduced in the University Act and Statutes to provide for conferment of degrees by autonomous colleges?

N. A.

6.1.9 How does the University groom leadership at various levels? Give details.

The university is taking all initiatives to develop leadership at various levels. The eminent educationalists, industrialists and prominent leaders from various fields are invited to the campus to facilitate interaction with faculty and students. By providing a democratic survival to all the bodies, all teaching staff and technical staff, University enhances the leadership qualities amongst these members. The statutory members and representative bodies have their own democratic associations and they participate in the decision making process. Participation of all the bodies inculcates leadership quality among these faculties.

6.1.10 Has the University evolved a knowledge management strategies? If yes, give details.

The university has a sound knowledge management strategy to utilize the knowledge of all its stakeholders, such as faculty, students, non-teaching staff members, research scholars etc., for improving the academic standards and to disseminate knowledge through team work. The knowledge management strategy mainly focuses on creation of knowledge and its dissemination through the participative management at various levels.

So, for the effective implementation of knowledge management, the university has formulated various committees. Also for the designing, developing and monitoring the research activities in the university, various initiatives are taken and strategies are made as well as teams are formulated by the university research cell to carry out the knowledge management further in an extraordinary vast expansion. At the university level, the management review meetings with vice chancellor in chair are organized periodically as a monthly meet to identify the opportunities for improvements.

Knowledge created and generated in the university is documented at a central place and is made available through electronic and print media.

CVRU has its gigantic library with separate sections in which important knowledge documents have been preserved from the past.

6.1.11 How are the following values reflected in the functioning of the University?

a) Contributing to national development.

The university is contributing to the national development in number of ways. Such as, the university contributes to the quality human resource for the development of the nation by imparting skills required to the students from time to time. The university owes to develop global personalities by developing quality education system and produce a huge number of students who can play significant role in the development of the country. On the research front of view, right from the inception, the university focusses on the quality research contributions, also, the university plays its role in promoting industry and business based education for strengthening the economy of the country which cannot be ignored. Thus, the university adopts an exclusive strategy and is involved inclusively in all sections of the society for the national development. The contribution can also be seen in sports, cultural activities and other service activities. During the past several years CVRU has produced a number of graduates and many post graduates for the nation as well as the world. Apart from producing professional workforce, it has also produced educated citizens in the field of science, humanities, technology, management, engineering, teacher education, legal education and so on. Teachers also contribute significantly to the nation & its development by their national research output.

b) Fostering global competencies among students

With the onset of globalization and sweeping economic reforms, much attention is to be paid to promote a global competition in the country. The competitiveness of a country at a global level has been obviously influenced by the respective country’s ability to maintain quality at with acceptable standards and delivery mechanism. Thus, in this process of global competitiveness, universities play a key role in developing human resources with requisite quality and skill. Hence, Dr. C.V. Raman

University took all measures to foster competencies of global standards among its student. The university established linkages with many industries and organizations and the students are thereby trained in these sectors. Therefore, the students acquire skills of globally acceptable standards, the university offers admissions to foreign students also to promote global competencies among its students. CVRU also changes its curriculum in frequent intervals to suit the changing global needs accordingly. CVRU adopts the teaching learning methodologies on par with the global standards of education. Students are promoted and facilitated to engage in activities like online discussions forums and groups, attending live lecture, debates, extempore, giving online presentations in the conferences, seminars etc.

c) Inculcating sound value system among students.

The role of educational institutions is not just confined to imparting the knowledge alone but to shoulder the responsibility of inculcating the desirable sound value system among the students. So, the university is giving priority to achieve this objective. The inclusion of the foundation courses focusing on the Indian culture, heritage, science, civilization, environment and incorporating subject papers on moral values and ethics is a step forward in this direction for inculcating sound value system among the students. NSS and sports classes also deserve worth mention in this direction.

A very strong culture of instilling value system prevails in the university through which the students imbibe the values by way of experience and interaction with their seniors in the hostel as well as cultural bodies in the campus.

d) Promoting use of technology

Besides availability of computer lab with internet facility for students in the department, a high speed wi-fi facility at the campus and hostel nourishes the need of students 24 hrs. Apart all, PCs are provided to the faculty so that they can come up with new ideas and industry trends so as to deliver this knowledge at the classrooms and counselling of students at the time when they face any doubt or problems related to subject. The teachers are also encouraged to publish their own reading materials online which are easily accessible for the students at the time they need and upload their video lectures in the CVRU website as well as in the YouTube.

e) Quest for excellence

All the above activities ensure that there is excellence in teaching and research. The university lays a strong emphasis on providing excellence in teaching learning & research. For achieving excellence in its programmes and procedures, CVRU adopts a structured and scientific quality management system following an ISO 9001: 2008 standard with GUJ/Q-1280 as its assessment certification number. The University is also involving all stakeholders such as employers, faculties and students etc. to achieve excellence in imparting knowledge through interdisciplinary approach.

6.2 Strategy Development and Deployment

6.2.1 Does the University have a perspective plan for development? If yes, what aspects are considered in the development of policies and strategies?

a) **Vision and mission**: The vision and mission of the CVRU regarding development plan is to promote innovation, scientific spirit, and critical thinking, alongwith the retention of tradition and wisdom. An institution like CVRU offers a comprehensive range of excellent programmes.

b) **Teaching and learning:** The various plans & proposals are regularly debated within the university and sent up to higher bodies such a University Grants Commission, AICTE, NCTE, BCI etc. for approval time to time.

c) **Research and development:** Research is a major engagement at CVRU. It is ensured in the curriculum design and development in the following ways:

- The research skills of students are enhanced through introduction of courses, activities, and contents that include literature survey, data collection, data analysis etc.
- Team work is promoted through group projects.
- Field trips / educational tours are arranged to research laboratories of national importance and other research centres.
- Research orientation is enhanced by visit of students at premier research institutes.

d) **Community engagement:** Many informal groups and associations within the teaching faculty are functional to monitor the trends and issues regarding development in open source community and integrate its benefits in the university educational processes.

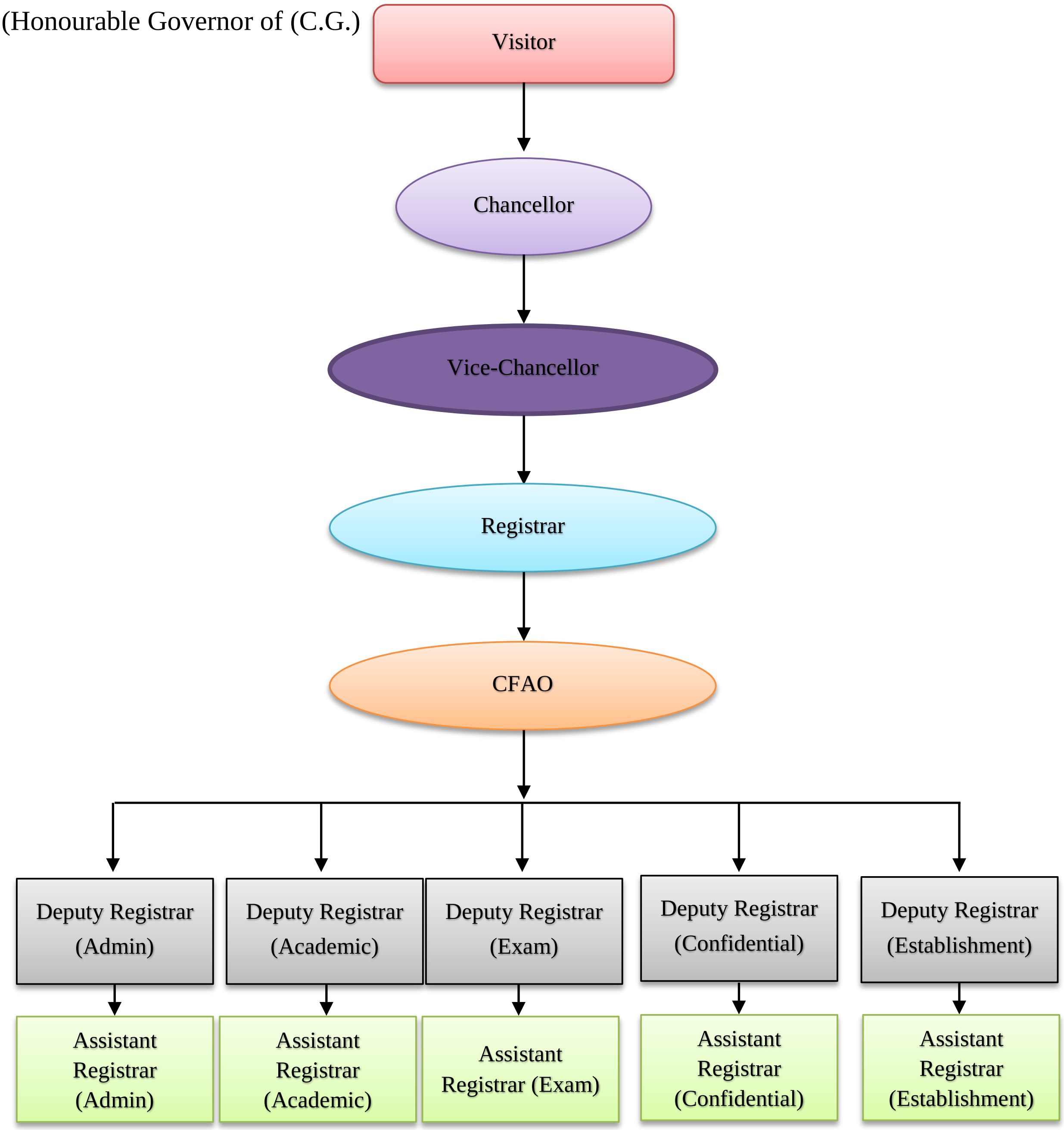
e) **Human resource planning and development:** The University promotes creative thought in areas which have deep human resource significance and to provide suitable environment for academic research and also to undertake, organize, guide and promote advanced research in Humanities, Science, Technology and Development. Several audits are conducted to take proper care of planning & development in this regard.

f) **Industry interaction:** In professional courses, there is a strong industry-academia interface. Student at undergraduate and postgraduate levels undertake courses during semester that include an industry placement project. Students carryout projects as internship in reputed organization. During the period under assessment maximum students underwent summer training.

- The university interacts on regular basis with industries by:-
- Finding way to help the student to adjust to a new environment.
- Preparing for a challenging and invoking career through industrial learning and visits.
- Bringing some of the best companies for internship due to reputation for supplying some of the most grounded professionals to the industry.
- Encouraging students to aim for the best jobs during recruitment.
- Tie up for organization academic events.
- Organizing special lectures by experts from the industry and corporate leaders.
- Interaction during placement, summer training, and internship programmes.

6.2.2 Describe the University's internal organizational structure and decision making processes and their effectiveness.

The following flow chart explains the internal organization of CVRU:


(Honourable Governor of (C.G.)
Visitor
Chancellor
Vice-Chancellor
Registrar
CFAO
Deputy Registrar (Admin)
Deputy Registrar (Academic)
Deputy Registrar (Exam)
Deputy Registrar (Confidential)
Deputy Registrar (Establishment)
Assistant Registrar (Admin)
Assistant Registrar (Academic)
Assistant Registrar (Exam)
Assistant Registrar (Confidential)
Assistant Registrar (Establishment)

Governing Body (GB)	**Board of Management (BOM)**	**Finance Committee**	**Academic Council (AC)**

6.2.3 Does the University have a formed policy to ensure quality? How is designed, driven, deployed and reviewed?

At all the levels, we believe that education does not end within the confines of the classroom. Imparting education is a proactive process with an aim to prepare students to be active and responsible citizens who emerge to be leaders in today’s multicultural globalized society.

Entire activities of university can be grouped into 3 categories:

- **Admissions –** The Courses of CVRU are led by a team of senior staff members and supported by impressive workshops that combine both traditional and latest technologies. If candidates are interested in one of our courses, we hope they will visit us and start the application process to confirm that CVRU is the place for them.
- **Examinations-**Examinations are conducted on time and the results are declared within the stipulated time period. The performance of the students is reviewed under the chairmanship of the VC.
- **Employment–**Vacant posts are duly advertised through national dailies, newspapers, employment news, website, and notice boards.

  All the positions are filled through expert committees constituted by the competent authorities of the university.

6.2.4 Does the University encourages its academic departments to function independently and autonomously and how does it ensure accountability?

The procedure followed in the University is thoroughly democratic and follows a bottom-up strategy of planning, executing, and implementing. CVRU provides independence and autonomy to all stake holders, while at the same time the accountability is ensured by various means as a part of administrative system.

6.2.5 During the last four years, have there any instances of court cases filed by and against the institute? What were the critical issues and verdict of the courts on these issues?

During the last four years the university is totally free from any type of cases in the court.

6.2.6 How does the University ensure that grievances/ complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholders –relationship?

A Grievance Redressal cell exists at CVRU for all types of students grievances and complaints. At each level, a well – designed grievance handling procedure is maintain in pace for students related to grievances like evaluation etc. A mechanism for re–evaluation exists, for handling use of unfair means in the examination students are given an opportunity to appear before the examination committee, for discipline related issues, they present their case before discipline committee, the recommendations of which are pursued and approved by the VC.

The grievance committee is also available as a part of the redressal system for the employees of the university.

For women related issues gender sensitization committee is in place. Any other issue can be addressed to the VC who may dispose of the matter or may place the matter before board of management.

6.2.7 Does the University have a mechanism for analyzing student feedback on performance? If yes what was the institutional response?

The University recently evolved a mechanism for obtaining feedback from students, teachers, alumni, and employees regarding curriculum and infrastructural facilities and services through a proforma grading impact.

6.2.8 Does the University conduct performance audit of the various departments?

Yes.

6.2.9 What mechanism has been evolved by the University to identify the developmental needs of its affiliated institutions?

N. A.

6.2.10 Does the University have a vibrant college development council (CDC)/ board of and University Development (BCUD)? If yes, details its structure, functions, and achievements.

N. A.

6.3 Faculty Empowerment Strategies

6.3.1 What effort has been made to enhance the professional development of teaching and non-teaching staff?

For teaching staff, University regularly organizes teacher orientation programmes for developing professional efficiency.

- In addition, it is organizing in house training programmes which is more benefited for the teachers.
- Many conferences and seminars have been organized covering all new aspects and trends with respect to all fields.

- Teachers are encouraged to participate in national and international conferences which lead to exchange of knowledge and development of new ideas and concepts.

- Similarly the non – teaching staffs are also benefited by providing in house training in order to have their personal growth so that they can pursue their higher education in the university. They are given training as a short term training programme delivered by various administrative, financial, and professional organization.

- Non-teaching staff members are supported to fully grow within their professions in order to achieve some of the top administrative position in the university.

6.3.2 What is the outcome of the review of various appraisal methods used by the University? List the important decision.

Based on various appraisals certain courses are modified while new courses are introduced. Innovative methods of teaching are devised. Midsession tests are taken by every department and evaluation is done by faculties of concerned department. Later on, these results are displayed to the students and feedback from students are taken. Weak performers are listed up and called for special counselling sessions where mistakes committed by students are discussed and guidance & suggestions are given to improve their performances.

Based on the recommendations of experts on published work of the teachers promotions are either granted or denied. API score determine eligibility and carry weight in recruitment proportions.

6.3.3 What are the welfare schemes available for teaching and nonteaching staff? What percentage of staff have benefitted from these scheme in the last four years? Give details.

Various schemes are available to benefit the teaching and non-teaching staff of the university, details are as furnished below:

Nature of assistance provided	No. of benefited in 2011-12 and amount	No. of benefited in 2012-13 and amount	No. of benefited in 2013-14 and amount	No. of benefited in 2014-15 and amount
Staff Welfare	1,05720/-	99,064/-	3,14,781/-	4,39,171/-
Medical assistance	35,794/-	19,764/-	24,890/-	77,892/-
Conveyance Expenses	3,04045/-	4,61,782/-	6,50,014/-	8,25,689/-

Telephone Expenses	2,96,457/-	3,30,992/-	7,09768/-	6,36,760/-
Bus Facilities	21,42,000/-	21,60,000/-	22,32,000/-	30,24,000/-
Festival	1,88,272/-	1,62,588/-	2,55,084/-	3,97,439/-
Total	30,72,288/-	32,34,190/-	41,86,537/-	54,00951/-

6.3.4 What are the measures taken by the University for attending and retaining eminent faculty?

The university, particularly in the various departments, is constantly on the look for talented and eminent teachers among the young and older generation. Our faculties are drawn on to the peaceful academic environment, freedom from external disturbances, provided with PF etc.

Senior professors in reputed research institute, who were just retired or are on the verge of retirement, are recruited on the basis of their own willingness to work in the academic ambiance of this university after along duration of work in a different kind of atmosphere. At times, additional increments are also offered to extraordinary and eminent faculties.

6.3.5 Has the University conducted a gender audit during the last four years? If yes mention a few salient findings.

Though any formal gender audit is not conducted but the University keeps a track on enrolment of gender wise admission and employment which is as below:

Sn	**Session**	**No. of Students**		**No. of Employees**	
		Male	**Female**	**Male**	**Female**
1	**2011-12**	1852	843	103	65
2	**2012-13**	2555	1112	117	72
3	**2013-14**	3451	1301	111	71
4	**2014-15**	3566	1307	111	70

6.3.6 Does the university conduct any gender sensitization programmes for its faculty?

Yes, the university conducted gender sensitization programmes for its faculty members by celebrating International Women's Day, representation of women in the media, poster presentation, Rang Manch, Nayika Award etc.

6.3.7 What is the impact of the University's Academic Staff College Programmes in enhancing the competencies of the University Faculty?

N.A.

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism available to monitor the effective and efficient use of financial resources?

The effective and efficient use of available financial resources of the University is ensured through a proper system adopted by the University. The Finance Committee and the Governing Body are key for taking financial decisions in the university. As per the need of each Department of the University, the funds are allocated in the yearly budget for any requirement/up gradation. Income/expenditure is closely monitored by the accounts office. Proper demand in writing is made from the concerned Department with full details of the requirement of the apparatus, equipment's, maintenance and infrastructure etc.. Proper Procedure for purchase is adopted as per purchase committee and Stock Registers are maintained.

A statement of accounts detailing income/expenditure, including budgetary, is placed before the Finance Committee, which has nominees from the Chancellor or his nominee, Vice Chancellor, Registrar, two Governing Body nominees or one sponsoring body nominee for its consideration and approval after which it is placed before the Governing Body for approval.

6.4.2 Does the University have a mechanism for internal and external audit? Give details.

The University has a mechanism for adequate internal checks through continuous auditing of its financial transactions. There is a regular scrutiny of account records pertaining of the revenue and other receipt and of all expenditure.

The annual accounts of the University is audited at least once every year, by the Chartered Accountant as per clause 38, Chhattisgarh Private Universities (Establishment and Operation) act, 2005.

6.4.3 Are the institution's accounts audited regularly? Have there been any major audit objection, if so, how were they addressed?

The annual accounts including balance sheet of the University are prepared under the direction of BOM and audited by auditors appointed by the University. A copy of the annual accounts together with the audit report is submitted to the Governing Body. After approval from Governing Body, a report is submitted to the Visitor and Regulatory commission. In the last ten years of its existence, there has been no audit objections from any of the Regulatory Bodies or from the CA.

6.4.4 Provide the audited and expenditure statement of academic and administrative activities of the last four years.

Copy of the audited income and expenditure statements of academic and administrative activities of the last four years are is enclosed.

6.4.5 Narrate the efforts taken by the University for Resource Mobilization.

University is making efforts on regular basis to mobilize resources. In this regard, University is looking for various ministries and departments for training and skill development etc. to meet out the developmental activities apart from its own resources. The University is generating fees by running open distance course. The sponsoring body also mobilizes funds for the University whenever required.

6.4.6 Is there any provision for University to create a corpus fund? If yes, give details.

The University makes all efforts to generate revenues from sources other than fees received from students. The detail of the corpus fund created by the university are as follows:

Description of Sources	Funds generated 2011-12	Funds generated 2012-13	Funds generated 2013-14	Funds generated 2014-15
	Rs. In Lacs	Rs. In Lacs	Rs. In Lacs	Rs. In Lacs
University Development Funds (Progressive)	944.22	1645.10	2272.08	2355.87

6.5 Internal Quality Assurance System

6.5.1 Does the University conduct an academic audit of its departments? If yes, give details.

Academic output of the majority of the department of the university has been evaluated and audited by different regulatory bodies such as UGC, PURC, AICTE, NCTE, and BCI.

6.5.2 Based on the recommendations of the academic audit, what specific measures have been taken by the university to improve teaching, learning and evaluation?

On the recommendation of the visiting/inspecting team of the above regulatory bodies various measures were enforced time to time.

6.5.3 Is there a central body within the University to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

The statutory bodies constantly keep a watch on entire process of teaching learning.

Board of studies of the department monitors the syllabus. The head of the department monitors the delivery of lectures in classrooms and proper engagement of labs. The assessment is monitored by moderation committee. The Academic council approves the examiners list. Likewise all bodies ensure that quality is maintained in the teaching learning process.

6.5.4 How has IQAC contributed to institutionalizing quality assurance strategies and processes?

IQAC had developed quality management system based on plan do check act cycle so that the Mission and Vision of the University can be attended. IQAC had developed Quality Manual, Standard operating procedures for quality critical activities and Quality records for documentation.

6.5.5 How many decisions of the IQAC have been placed before the statutory authorities of the University for Implementation?

Mainly 2 decisions of the IQAC have being placed

- Implementation of Quality management systems
- Implementation of Feedback mechanism of students

6.5.6 Does the IQAC have external members on its committees? If so, mention any significant contribution made by such members.

Yes the IQAC of the University has external members on its committee but as it has been newly established so the significant contribution of such members is duly expected.

6.5.7 Has the IQAC conducted any study on the incremental academic growth of the students from disadvantages sections of society?

Yes, the IQAC had conducted a study of result analysis to identify the growth of the students from diversified areas. Based on the result better mechanism is identified by the IQAC cell to make teaching learning mechanism better.

6.5.8 What policies are in place for the periodic review of administrative and academic departments, subject areas, research centres, etc.?

The following are the policies and procedures adopted by the university to review the administrative and academic process as mentioned in the CVRU quality manual:

- Quality policy
- Academic policy
- Exam policy
- Evaluation policy
- Admission policy
- Research & Development policy
- Skill development policy
- Finance policy
- Maintenance policy
- Purchase policy
- IT policy
- Management policy
- Recruitment policy

Criterion-VII

Innovations & Best Practices

CRITERIA VII: INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the University conduct a Green Audit of its campus?

Yes, the university prepares for the Green Audit of its campus. The following are details of the steps taken: -

- The university is already having a lush green campus with its arena of wisdom and ambience and also makes effort towards making it a green campus entirely as a significant part in the whole city of Kargi Road, Kota, Bilaspur.
- Plantation of trees and herbs is a compulsory phenomenon very frequently arranged by the university in its campus. Also the plantation programme is promoted in special occasions of **"Vanmahotsav"** and during the **"World Environment Day"**. The University administration, employees, students and all faculty members do participate in the plantation programme compulsorily.
- Incandescent lamps has been replaced with CFL & LED lamps in many departments.
- The university campus has a green herbal garden with near about 425 medicinal plants of essential medicinal use and for research purpose as well as also includes of about 20 different other types of herbs and shrubs which significantly contribute to the **"Go Green Campus"** strategic plan of the University.
- Solar panel/solar cells are incorporated to save the power and energy.

The University has a Green Raman Club which is dedicated towards spreading environment consciousness among students. It has a membership of about 50 with a Faculty member in charge. The club meets once in a month to plan out its activities which include conducting classes on nature and wildlife, organizing fun activities like collecting variety of eco-friendly material within a time period, etc. Posters spreading awareness and calling for membership are put up in every classroom. Moreover the members of the Green Raman Club are encouraged to attend symposiums on several topics. In order to save energy by switching on the designed light / fan, the Green Raman Club (GRC) paste labels indicating the light/fan numbers in all the class rooms.

The Green Raman Club took up the important task of

- Counting the number of trees in the campus and also identifying heritage trees.
- They also undertook the task of planting 100 saplings in the campus during this year.

7.1.2 What are the initiatives taken by the University to make the campus eco-friendly?

The university is taking certain steps and various initiatives to make the campus eco-friendly. The ecosystems of the university are continuously planned and monitored effectively.

- **Energy conservation:**
    - Introducing and incorporating solar panel system with a number of solar cells for a smooth saving of energy and power.
    - Encouraging the use of CFL & LED lamps
    - Power factor control
    - Restricting the random use of air conditioners
    - 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.
    - Provision of master switch to all the classrooms, to enable to switch off all fans/ lights, at the end of classwork.
    - Constructions of buildings with more provision of natural light and ventilation enabling lever consumption of electrical energy in the daytime.
- **Use of renewable energy:**
    - The university has installed solar power generation system of (10KW) for the renewable use of energy in the departments.
    - Also the university is taking initiatives further to use renewable energy for providing substantial benefits towards climate, health and economy.
    - Initiatives towards energy conservation include the setting up of a 5KW capacity Solar Photovoltaic cell

facility that is used in the campus.

- In addition a Biogas plant of 100 cubic cm capacity that handles 300- 400 Kg of waste has been installed and the biogas produced has been used in the labs of the departments.

- **Water harvesting**:
  - Facilities for ground water reverse osmosis with capacity of 500 litres per hour is also available.
  - 50% of rainfall is harvested and stored in a 15 lakh litre capacity tank for use in hydraulics and other laboratories
  - It is done, through mini soak-pits in various places of CVRU campus.
- **Check dam construction**: NO
- **Efforts for carbon neutrality**: No.
- **Plantation:**

  The university being situated in a lush green landscaped ambience with arena of wisdom, a huge number of trees and herbs are planted. As already mentioned before, various trees, herbs, shrubs & medicinal plants are planted in the university campus during the plantation programme very frequently.
- Hazardous waste management: The recent construction activities are using Fly-ash Bricks made from industrial waste with good acoustic and thermal properties instead of using traditional bricks.
- E-waste management:
  - As far as e-waste is concerned initiatives have been taken to contact the Pollution Control Board who would suggest suitable agencies for waste disposal.
  - e-wastes is dispersed through buy-back schemes
- **Any other:** The landscaping of the campus uses the concept of zeriscaping where native plants and plants which consume less water are used avoiding exotic, high maintenance and costly plants.

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the University.

1. **Establishment of university community Radio in-campus entitled as "Radio Raman-90.4":** For the benefit of stakeholders of the University such as students, faculty members and other employees as well as for the nearby community (towns, villages & cities) surrounding the CVRU campus, the university has taken an innovative approach and significant initiative of establishing its own community Radio in the campus. This community Radio so established provides essential information and helps to spread awareness regarding education, sports, health aspects, social aspects, external affairs, music, culture and other innovative affairs and knowledge based economy.

2. **Establishment of dedicated research wing and an effective research cell:** This cell of the University encourages quality research and interdisciplinary research of innovative approach towards various fields for post graduate students and the research scholars especially of M.Phil. & Ph.D. The university is also planning to set up a "Research Park" for the industry academia interface.

3. **Providing the facility of fully Wi-Fi campus and advanced networking:** Free internet access is provided through the full Wi-Fi services throughout the campus to obtain advanced and Hi-tech technological services and easy access to e-resource enabling the fulfilment criteria of e-governance in the campus.

4. **Introducing combination involvement of at least one value added course and one enrichment course essential along with regular course through the certified programmes of skill development for the students:** To enhance the skilled manpower in the university and also to encourage and develop literary, managerial and technological skills among the students to groom their personality and behavioural aspects, the university has taken this step as an innovative approach.

5. **Establishment of smart classrooms, laboratories & library with advanced and modern infrastructure:** CVRU has established its modern well equipped labs and library with a mission of providing quality education of world class level & scientific development of its arena of wisdom through an advanced environment of knowledge. The university library provides access to huge number of online e-journals and helps through INFLIBNET, DELNET using Koha and OPAC (SOUL) software.

6. **Establishing digitalized Biometric Attendance system:** To ensure systematic attendance system CVRU has established the biometric attendance system for the benefit of all the staff.

7. **Establishing audio-video teleconferencing and video call facility in the administrative departments such as V.C. office, Registrar Office and office of the Director Research etc.**

8. **Partnership with Microsoft:** The University has collaborated with IT Giant Microsoft for enhancing the course curriculum activities. Microsoft also provides office-365(A2) SKU for all the faculties and students.

9. **Partnership with TCS:** The University has MOU with TCS where online examinations like GATE, RBI, Coal India, Banking, Public service commission etc. are conducted

10. **A-View Classes for Students:** The University provides A-view classes (online live classes) on different subjects in collaboration with Amrita University and IIT Mumbai.

11. **High speed internet access with multi-channel fibre optics lease lines**: CVRU campus has 10mbps high speed Optical fibre lines for all-time free and easy internet access.

12. **Establishment of In-Campus BSNL communication towers which provides 3G & 4G services:** In the campus we have BSNL communication towers which provides 3G and 4G Services

13. **CVRU is associated to spoken tutorial project** which is funded by (NMEICT) National mission on education through ICT, MHRD, Govt of India and project handled by IIT Mumbai. It provides a series of tutorials in open source software families, such as LATEX, Scilab, LINUX, ORCA and Python

14. **Organized the 3 day programme of "+2 & U" (PLUS TWO & YOU) for the students** involving various programmes of model exhibitions, food court, mystery of Chemistry, rangoli, debate, book fair etc. and prize distribution to the students as well as the Anand Mela involving the Food Court System by students.

15. **Arranged motivational session by the eminent author "Chetan Bhagat"** of the students in the huge programme of "DISHAYEIN" organized by the university at CVRU campus in the august presence and warm presence of Honourable Governor of the state.

16. **Arranged the significant programme of "JOSH" through the motivational speaker "Dr. Ujjwal Patni"** for the inspirational and motivational growth and development of the university students at CVRU campus in the gracious presence of the Honourable Governor of the state.

17. Organizing Ravindra Sangoshthi to promote culture and Heritage among the stake holders**.**

18. Organized programme of "Vanmali Katha Sammelan" at the University campus in which 03 Novelist of Chhattisgarh were felicitated**.**
19. Organizing poster exhibition on environment and awareness.
20. Organizing science and technology models on Engineer's day.
21. Organizing education fair for all education institutes including the school students of various schools of the city.
22. Organizing the "Best Teachers Award" programme.
23. Organizing spiritual session by "Shri Shankaracharya Puri" to enhance the divine and spiritual aspects in the Campus.
24. Activity participating state level grand Tournament of cricket competition.
25. Actively participating in inter university football competitions
26. Encouraging and sponsoring inter-school football competitions.
27. Organizing the musical programme of **"Voice of CVRU"** in the campus for the University students to promote culture and enhance the ecstasy of music among the students and to explore and bring out the efficient and executive hidden talented students in music in the CVRU campus.
28. Organizing Talent Search Exam every year in all science and arts stream in the campus for all school students of 10th, 11th & 12th standard to encourage and enhance the competencies
29. Organizing women empowerment programmes on women's day.
30. Organizing the "Nayika Award" to explore the women's significant service to the society.

7.3. Best Practices

7.3.1 Give details of any two best practices which have contributed to better academic and administrative functioning of the University.

1. **Best Practice I**

   Title of the Practice

   PUBLICATION OF SCIENCE ORIENTED BOOKS FOR THE STUDENTS BY THE UNIVERSITY ITSELF TO ENHANCE THE SCIENTIFIC KNOWLEDGE & TEMPERAMENT.

2. **Objectives of the Practice**

The main aim of the publication of books is to facilitate all students a uniform streamlined, systematic method of delivering the content from the expert in the subject. Since the students are coming from very diversified background, these publications give them a framework to learn and understand the subject in a better way.

- The publication of books for students has been designed with a specific need based objective in mind and strives to provide all necessary information to the students regarding the subject they are learning in a simple language and easy methods by generating a specific temperament.
- The books are the first of its kind – where the contents are based on syllabus but also with extra input so that students can actually learn the subject for their academic requirement and as well as for extra knowledge needed for competitiveness.
- The main outcome of this publication is the dissemination of the knowledge to the students which can be very perfectly done with uniformity of content, better easy language etc.

3. The Context

Dr. C.V. Raman University is one of the premier and popular University in Central India situated in tribal belt of the state of the Chhattisgarh and the number of students seeking admission are coming from very rural areas. Thus it's really challenging to cater such huge group of diversified students. Also, the number of students seeking admission is day by day steadily increasing. In this context, it becomes very important to deliver knowledge to all the students with same content and parallel base of smooth and scientific origin.

From the quality perspective, it is very important to deliver quality content along with making it free of difficult terminology and easy to understand the techniques.

The Practice

The publication of books has been designed with the objective of providing all details that are required by the students in a easy, effective and informative way. These books involve a variety of range including the information regarding the environment, energy and technology with subjects of scientific orientation.

Information for the students

- The students get the books either in the library or in the University stores.

- The author of the books are well known experts in the subjects and students can direct communicate with them if they face any kind of problem in understanding the subject either through mail or telephonically.

4. Evidence of Success

The publication work of the books are done in such a way that the students coming from rural as well as from urban background can understand the topic in better and easy way. Major advantage of this publication is the way of explaining the topic with the choice of the words. Since the University need Quality education for the Local rural students hence the way of delivering the topics and its contents are kept accordingly. The students feel the books very easy to understand and also informative and as per as any other available books.

List of the Books based on Science Published by CVRU

विज्ञान विषयों पर आधारित पुस्तके		
क्र.	**पुस्तक का नाम**	**लेखक का नाम**
1	जल संरक्षण	डॉ. डी. डी. ओझा
2	भारत का अन्तरिक्ष कार्यक्रम	कालीशंकर एवं राकेश शुक्ला
3	प्राचीन भारत में वैज्ञानिक चिंतन	डॉ. पुरूषोत्तम चक्रवर्ती
4	इलेक्ट्रॉनिक आधारित सामरिक सुरक्षा तकनीक	डॉ. मनमोहन बाला
5	घर–घर में विज्ञान	डॉ. के. एम. जैन
6	भौतिकी की विकास यात्रा	डॉ के. एम. जैन
7	नेनोटेक्नोलॉजी	डॉ. पी. के. मुखर्जी
8	भूमि संरक्षण	डॉ. दिनेश मणि
9	दूरसंचार	श्री संतोष शुक्ला
10	खनिज और मानव	डॉ. विजय कुमार उपाध्याय
11	वैकल्पिक उर्जा के स्त्रोत	संगीता चतुर्वेदी
12	पर्यावरणः दशा एवं दिशा	अरूण कुमार पाठक
13	जैवविविधता संरक्षण	श्री मनीष मोहन गोरे
14	हमारे दैनिक जीवन में अंतरिक्ष	कालीशंकर राकेश शुक्ला
15	लेसर लाइट	डॉ. पी. के. मुखर्जी
16	न्यूक्लियर एनर्जी	अनुज सिन्हा
17	ई–वेस्ट प्रबंधन	संतोष शुक्ला
18	वैश्विक तापन	डॉ. दिनेश मणि
19	न्यूट्रीनों की दुनिया	डॉ. के. एम. जैन

5. Problems Encountered and Resources Required

To understand the need of the subject in form of Content, words selection, demographic need, quality it is really challenging for the authors to write books which can cater the need of the students to make them knowledgeable as well as global competent. The authors had done lot of research work among students and other available books in the market and then with their knowledge wisdom and understanding the students perceptions towards knowledge seeking authored the books with great efforts.

Practice II

1. Title of the Practice

Development of nearby Villages as a social initiative mission.(The Village Pandakapa)

2. Objectives of the Practice

Since Dr.C.V. Raman University is located in a rural area where most of the students belong to the rural belts , the management of the University thought that if they can develop the environment of the students from where they are coming, then certainly the quality of the University academia will automatically enhance.

The main aim of this mission is to make the villages Self Sustainable with respect to Energy, Water and Environment but also spreading awareness regarding cleanliness as a National Mission & Education for all as well as regarding “save girl child” and awareness regarding environmental pollution.

- To perform the task the village is identified and various programme regarding the above activities are designed by the faculties and students of the Universities.
- Regarding the energy and water sustainability the faculties of the Science and Engineering used to go to the villages to conduct various activities among the villagers in the form of camps and personal interaction & explaining them various government scheme regarding Solar energy generation for household and irrigation related areas etc.
- Department of education looks after the education need of the Villages and conducts various awareness activities in form of rally and workshops.

- “Save girl child” and “Swach Bharat Abhiyan” is taken care by all the departments of the University in planning the programme and execution of it in villages to make them aware of the current need of the Human race.

- The activities has been designed with this objective in mind and links of many academic and administrative wings of the University to serve Motherland with knowledge and Power of Youth.

- The department of Chemistry visits the village and spreads awareness and information regarding the environmental pollution and also checks the soil and the water contamination and pollution through its laboratory tools by 9 parameter water analyser kit and soil testing kit kept in the chemistry lab thereby using its mobility.

3. The Context

CVRU is a Premier University in central India surrounded with a number of villages around. The mission for the development of the Villages in context with the aspects to Sustainability, Cleanliness, and Save Girl child related areas through the help of Youth is the need of the time. The entire department of the University place their role and responsibility collectively through the help of various committees to conduct such programmes. The Departmental head along with the Principal and senior Administrative staffs looks and verifies regarding the proper execution of the mission. Regular meetings and feedbacks are taken from various stakeholders regarding this.

The Practice

The System has been designed with the objective of providing all appropriate services to the aspirants like villagers regarding their social needs, benefits and other educational requirements.

Information Availability

The information about various activities performed in the Villages is published in a newsletter of the Universities. The contribution towards various areas of focus is collected and published in the newsletters.

4. Evidence of Success

- The Villagers now started understanding the need of sustainability towards energy and water and hence started adopting solar energy as a source for the houses and irrigations. To perform sustainability towards water they started drip technology in their farms.

- Save Girl child programmes made villagers to understand the need & value of girls for human race & society.

- Education is the backbone of the development and hence the youth of the villages are now focusing towards it. Literacy percentage is getting enhanced & the gross enrolment ration of the state increasing effectively thereby with an increase in GER of the Nation too.

- Swach Bharat Abhiyan and brought awareness among the villagers to keep surrounding clean so that various diseases can be eliminated & eradicated.

- The villagers send their water and soil samples for contamination testing and parameter evaluation such as TDS etc. in the CVRU chemistry lab.

5. Problems Encountered and Resources Required

- The major problem encountered is acceptance by the villagers in the initial phases as they had some reservation regarding allowing the Universities faculties, students and other to come to their villages for social changes but with regular efforts the ecosystem become conducive.

- Resources required is not very specific and University provides the support services in form of banner, books, print materials etc .

Any other information regarding Innovations and Best Practices which the University would like to include.

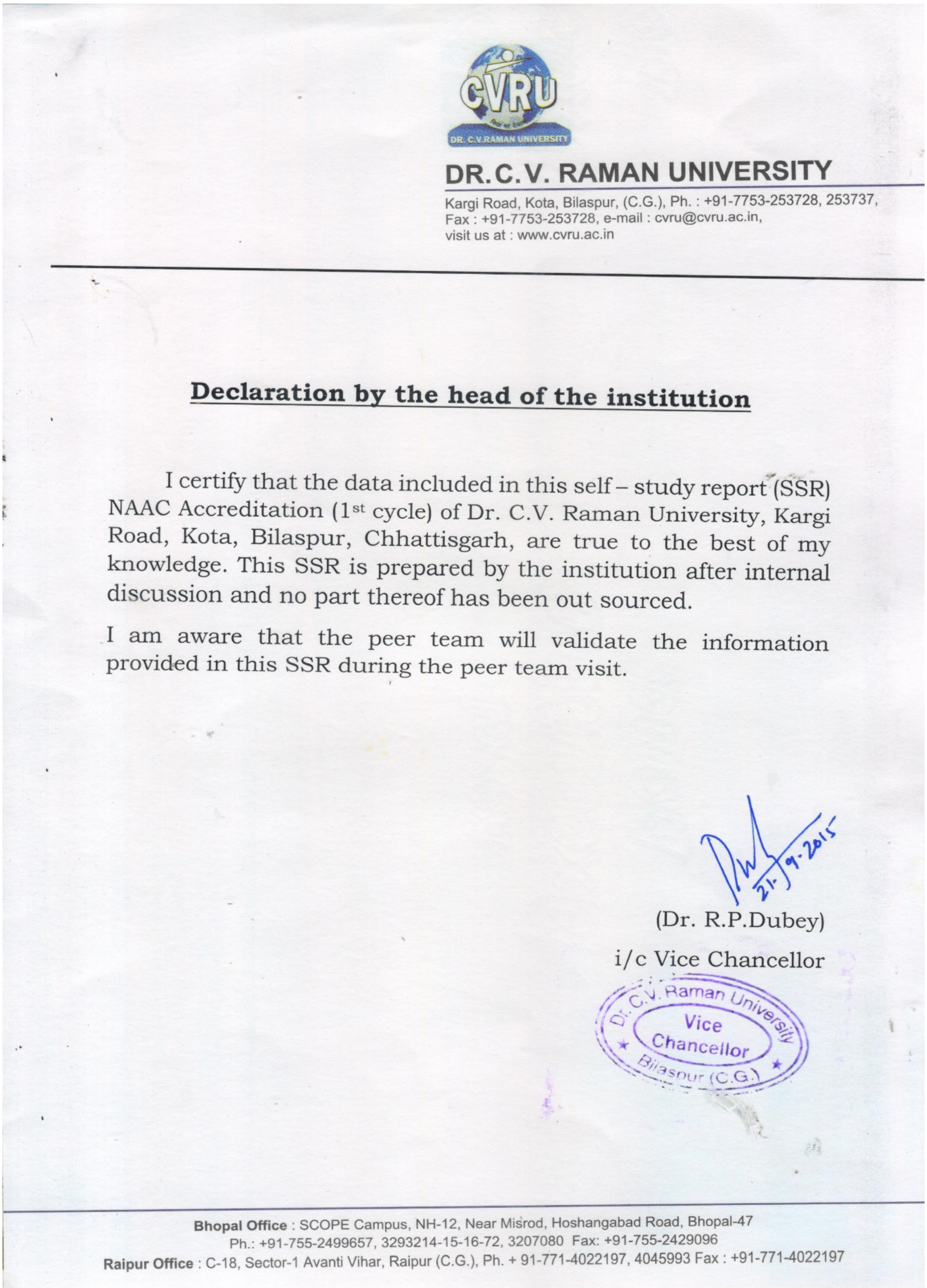
Name of the best practice:

- **Establishment of a “Biotech Park Cum Herbal Garden”** in CVRU campus by the faculty of life science including the department of Botany & Biotechnology:

  This “Biotech Park cum Herbal Garden” developed in the University Campus in about 10 Acres of the campus land area provides a huge opportunity for all the stakeholders of the university in the field of research as well as towards the social benefit.

  The departments of Botany & Biotechnology of the university planned to practice the advance practice in through the use of technology which can help to spread awareness to the nearby farmers and also to generate social benefit from the revenue output of the park products as mentioned below:

- Fertile land cultivation (1st Step)
- Incorporating corps culture and vegetable culture such as (Corn, Paddy, lady's finger etc.)
- Developing medicinal plant garden and herbal nursery for further research benefit of the students and faculties using the plant extracts
- Development of poly house & Green House
- Preparation of Bio fertilizers
- Social benefit by providing general awareness regarding fertilizers, cultivation etc. to the farmers through the 15 day special training programmes half yearly arranged by the university for the nearby farmer.



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Declaration by the head of the institution

I certify that the data included in this self – study report (SSR) NAAC Accreditation (1st cycle) of Dr. C.V. Raman University, Kargi Road, Kota, Bilaspur, Chhattisgarh, are true to the best of my knowledge. This SSR is prepared by the institution after internal discussion and no part thereof has been out sourced.

I am aware that the peer team will validate the information provided in this SSR during the peer team visit.

21.9.2015

(Dr. R.P.Dubey)
i/c Vice Chancellor

Vice Chancellor

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