ANNUAL QUALITY ASSURANCE REPORT
RE-SUBMISSION
(AQAR)
2019-2020

Submitted

to

National Assessment and Accreditation Council (NAAC), Bangaluru

by

Internal Quality Assurance Cell (IQAC)

Govt. V.Y.T. PG Autonomous College, Durg, Chhattisgarh
(Reaccredited By NAAC with "A+" Grade III-Cycle)
(Selected for UGC "CPE" Scheme Phase-III)
(Included in Star College Scheme of DBT, New Delhi)
(Awarded 1st Rank by Department of Higher Education,
C.G. Govt. Under Panchmukhi Yojana)
(Selected for Preparation of National Higher Education Qualification Framework
by MHRD, New Delhi)

Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**GOVT.V.Y.T.PG AUTONOMOUS COLLEGE DURG CHHATTISGARH**
Name of the head of the Institution	**Dr. R.N. Singh**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**07882359688**
Mobile no.	**9300119083**
Registered Email	**pprinci2010@gmail.com**
Alternate Email	**iqacvytpg@gmail.com**
Address	**GOVT.V.Y.T.PG AUTONOMOUS COLLEGE OPPOSITE BIT DURG CHHATTISGARH**
City/Town	**Durg**
State/UT	**Chhattisgarh**
Pincode	**491001**

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	**01-Apr-1988**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**state**
Name of the IQAC co-ordinator/Director	**Dr. Padmavati**
Phone no/Alternate Phone no.	**09425557653**
Mobile no.	**9425557653**
Registered Email	**padmavati.sudha@rediffmail.com**
Alternate Email	**padmavati.sudha62@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.govtsciencecollegedurg.ac.in

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.govtsciencecollegedurg.ac.in

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B+**	**2.7**	**2005**	**03-May-2004**	**03-May-2009**
2	**A**	**3.10**	**2011**	**30-Nov-2011**	**29-Nov-2016**
3	**A+**	**3.58**	**2017**	**22-Feb-2017**	**21-Feb-2022**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**15-Sep-2005**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture

Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Feedback collected from students, parents and alumni and analysis of feedback has been done	31-Jan-2020 60	2429
promotion of OBE model based curriculum design with special emphasis on POs,PSOs,COs, value added courses, blooms taxonomy and workshop on prospects on blended learning	18-Dec-2019 1	102
Green Audit, Energy Audit, Academic Audit, Preparation of Academic Calendar, Spoken Tutorial classes online by IIT Bombay , Paramarsh programm, NAAC awareness programme for accredited of durg division	07-Sep-2019 120	1200
Micro circle meeting of seventy colleges of durg division for better score in NAAC Accreditation	06-Nov-2019 1	28
three IQAC annual meeting for improvement of quality, better scoring in NAAC on criteria I,II	13-Nov-2019 3	48
Awareness programme on COVID ninety	20-Apr-2020 1	900
Uploading of video lectures on CG portal of government , University website and college website	20-Apr-2020 60	3516
Placement training programme proposed spoken english classes guidance to students for competitive exams	14-Mar-2020 1	17
drafting of proposal under RUSA and preparation of SSR Criteriawise according of new parameters of NAAC accreditation and suggestion for the development of infrastructure of college new building construction for autonomous cell, new washrooms facility	09-Sep-2019 1	49

proposal for introduction of certificate courses, faculty deveopment programme	28-Jan-2020 1	22
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Govt.V.Y.T.PG Autonomous College Durg	CPE I	UGC	2006 1095	10000000
Govt.V.Y.T.PG Autonomous College Durg	CPE II	UGC	2011 730	7500000
Govt.V.Y.T.PG Autonomous College Durg	CPE III	UGC	2014 1825	8800000
Govt.V.Y.T.PG Autonomous College Durg Chemistry department	DST FIST	DST	2006 1095	4000000
Govt.V.Y.T.PG Autonomous College Durg Biotechnology department	Star College	DBT Govt of India	2012 1095	6600000
Govt.V.Y.T.PG Autonomous College Durg	BSR	UGC	2008 365	1000000
Govt.V.Y.T.PG Autonomous College Durg	Inspire	DST	2019 7	1100000
Govt.V.Y.T.PG Autonomous College Durg	XI plan	UGC	2007 1825	9135000
Govt.V.Y.T.PG Autonomous College Durg	XII plan	UGC	2012 1825	8700000
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File

10. Number of IQAC meetings held during the year :	**4**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	<u>View File</u>
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

? Organization of workshops, National and Internation seminars, webinars on quality related themes,guidance for NET and SET Paramarsh program NAAC awareness for faculty members of the College and other Institutes. Spoken tutorial classes by IIT, Bombay for students and COVID19 Awareness programmes for society. Sefl defence programme for girls, gender equality programme, psychological problem solving workshops, field trip, study tours organized. ? Promotion of OBE model based curriculum design with special emphasis on POs, PSOs and COs and revisions made according to need. ? For improving the Quality of teaching, learning and evaluation system, feedbacks are collected from examiners, Alumni, parents, students which are analyzed and necessary measures are taken, academic audit is conducted and follow up ? Conduction of online lectures and uploading of video lectures on cg portal, University College website ? Preparation and submission of AQAR as per guidelines.

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

Plan of Action	Achivements/Outcomes
? Academic Audit proposed for each department of college	**Internal and external academic audit has been done**
? Smart rooms to be constructed for improvement of ICT facility Studio for recording of video lectures	**Six class rooms upgraded with ICT facilities and converted into smart class rooms. Studio has been established for development of video lectures and for editing of lectures.**
? Workshop and seminars proposed on quality related themes for faculty, office staff and students Ek Bharat Shresht Bharat programme, proposed Inspire programme for school student of CG state, to motivate them towards Science	**Workshops and Seminars conducted for quality improvement for faculty, office staff and students, Organized programme 18.02.2020 Inspire – January 2020**
? Continuous comprehensive evaluation	**Home assignment, project work, Internal**

(CCE) proposed for the session	unit tests, Quiz completions online and offline seminar presentation online has been done.
? In the beginning of the session 7 certificate courses and 1 PG Diploma Course proposed to start by the different department and syllabus prepared for Six month certificate courses.	Permission has been received from higher education department, Govt. of Chhattisgarh and from the University from which college is affiliated.
? Emphasizing the students to register the online courses offered by SWAYAM and NPTEL	Registration will be done for Jan- 2021 & July 2021 courses.
? Performance appraisal system (PAS) for teaching staff	PAS regularly done at the end of the session.
? DST Inspire programme proposed for school student	Organized the DST inspire programme with lectures from Eminent professors and Scientist from reputed Institutes.

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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Governing body	05-Oct-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No

16. Whether institutional data submitted to AISHE:	Yes

Year of Submission	2020

Date of Submission	29-Feb-2020

17. Does the Institution have Management Information System ?	Yes

If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	To integrate realtime management is mediated by software and technology using common databases maintained by GSuite. Online teaching and live classes of practical's are maintained using Gsuite on Google meet. For collecting database of students faculty member's individual institutional id has been created. Online admission processing, online academic calendar, online attendance management, online time table generation, online

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

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

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BA	BHN	Hindi Literature	20/07/2019
BSc	BCH	Chemistry	20/08/2019
BCom	BCO	Commerce	21/08/2019
MSc	MPH	Physics	27/08/2019
MSc	MCH	Chemistry	20/08/2019
MSc	MMT	Mathematics	27/08/2019
MSc	MBO	Botany	20/08/2019
MA	MHN	Hindi	17/08/2019
MCom	MCO	Commerce	21/08/2019
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
MLibISc	Library Science MLI	22/08/2019	MLI 203 Information Technology basic and Applications	22/08/2019
MSc	Physics MPH	04/08/2019	MPH 101 Mathematical Physics	04/08/2019
MSc	Chemistry MCH	20/08/2019	MCH 404 B Medicinal Chemistry	20/08/2019
MSc	Mathematics MMT	27/08/2019	MMT 303 Programming in C with ANSI features I	27/08/2019
MSc	Botany MBO	20/08/2019	MBO 202 Taxonomy of	20/08/2019

MSc	Zoology MZO	27/08/2019	MZO 404A Fisheries and Aquaculture	27/08/2019
MSc	Microbiology MMB	17/08/2019	MMB 303 Food and Dairy Microbiology	17/08/2019
MSc	Biotechnology MBT	26/08/2019	MBT 402 Clinical Research and Bioinformatics	26/08/2019
MA	Economics MEC	20/08/2019	MEC 203 Research Methodology and Applications	20/08/2019
MCom	Commerce MCO	21/08/2019	MCO 104 Principle and practice of Insurance I	21/08/2019

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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
MSc	Chemistry	20/08/2019
MSc	Zoology	27/08/2019
MSc	Microbiology	17/08/2019
MSc	Biotechnology	26/08/2019
BSc	Physics	27/08/2019

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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BSc	Biochemistry	20/08/2019
BSc	Industrial Chemistry	20/08/2019
BSc	Electronics	04/08/2019
BSc	Computer Science	04/08/2019
BCom	Computer Application	21/08/2019
MSc	Physics	04/08/2019
MSc	Chemistry	20/08/2019
MSc	Mathematics	27/08/2019
MSc	Botany	20/08/2019
MSc	Zoology	27/08/2019
MSc	Geology	20/08/2019

MSc	Microbiology	17/08/2019
MSc	Biotechnology	26/08/2019
MA	Hindi	22/08/2019
MA	English	26/08/2019
MA	Economics	20/08/2019
MA	Geography	20/08/2019
MCom	Commerce	21/08/2019

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Mushroom Cultivation	20/08/2019	50
Advances in Biological Sciences	17/08/2019	47
Environmental Economics	20/08/2019	12
Sanskrit Spoken Camp	06/10/2019	30
Ardino Board Experiments	20/12/2019	50
Environmental Physics	27/08/2019	25
DNA Barcoding	10/02/2020	50
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
MSc	Microbiology	23
MSc	Biotechnology	25
MSc	Geology	12
MSc	Physics	25
MSc	Chemistry	25
MSc	Mathematics	60
MSc	Botany	25
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

The IQAC of the college brings together periodic feedback from its stakeholders to maintain quality standards in achieving the mission. Feedback is examined at departmental or committee level and reports are used for further action. A planned course wise feedback is collected from students regarding curriculum, faculty performance, teaching methodologies and also concerning improvements in the departments. The Placement Cell of the College collects periodic feedback from prominent employers who recruit students for Internships and Campus Placements. Feedback on curriculum enrichment and restructuring was sought from external experts of Board of Studies during the BOS meetings. Prominent Alumni are also members of the Board of Studies of Departments and give suggestions on improvements in the curriculum, possibility of popular jobs and necessary skills. The departments conduct regular Parents – Teachers Meeting to review the performance of the students in academic, co-curricular and extra-curricular activities and to give the feedback regarding the progress of their wards. The suggestion received through students, to enrich the curriculum delivery, various certificate and short term courses based on skill acquisition, recent trends, socially relevant concepts, employability oriented modules and capability enhancement modules were incorporated in UG and PG programme. Seminars, workshops, guest lectures, Poster exhibitions and science day celebrations were organized to enrich learning experience and perform to their maximum potential. The Teacher's feedback regarding the curriculum was analyzed at departmental level and to make the study more practical and reduce the gap between theoretical knowledge and practical application, some additional practical exercises, Field /Industrial visits were arranged by the departments. Departmental almanac regarding academic, co-curricular and extracurricular activity plans along with detailed teaching plans of individual faculty members was collected and some interdisciplinary activities were suggested for academic and personality development of the students. The syllabus for PG programme was revised for highlighting the employability, entrepreneurship and skill development in the courses as per the observations received by parents. The slow learners were taken into attention for activity-based learning combined with practical syllabi and internal assessment scheme after faculty remarks. The suggestion and recommendations were seriously considered by the institution when the Central Board of Studies stipulated changes in the syllabi from 2019-20 onwards for UG programme. A major revision in UG curriculum during the session was approved by college BOS for Part I courses. The revision was mainly in view of the subtraction of repeated chapters and introduction of relevantly useful topics according to the standards of students and need of hour. Elective courses were introduced by some departments as per the feedback received by alumni and further some value-added courses were also initiated for advanced learners. Feedback from Parents are obtained personally during parents meet and planned questionnaire, which is compiled and analysed at departmental level and necessary suggestions regarding course and curriculum are deliberated.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BCA	Computer Application	60	235	59
BCom	Commerce	550	1406	534
BSc	Science	1080	3025	1029

BA	Arts and Social Science	520	1215	505
BLibISc	Library Science	40	85	39
MA	Arts and Social Science	220	460	220
MSc	Science	235	1065	225
MCom	Commerce	140	210	120
MLibISc	Library Science	20	83	20
PGDCA	Diploma in Computer Application	150	560	150

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	4764	1229	10	Nill	98

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
108	108	17	18	10	12

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

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

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

Yes. Student centric mentoring system is available in the college which is named as Tutor ward System. This scheme is implemented in both UG and PG classes. Under this scheme, A tutor is allotted with a group of approximately 50 students. The main work of tutor is to look after academic and psychological well being of the allotted students. He also monitor class attendance and performance during the academic year. In the classes where there are huge number of students, more than one mentor is assigned for the purpose. Mentors meet their mentees in the beginning of each academic session during induction programme. Two or three more meetings are scheduled later as per the need and academic calendar of the college. The mentor keeps the records of the mentee in the form of notices issued, advice and motivation provided and problems discussed during the session. The mentors are also responsible to maintain the biographic records of students like their academic background and socioeconomic status along with record of students class attendance, performances and academic progress. This tutor/mentor ward system is working smoothly in the college.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
5933	108	1:55

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
86	79	Nill	29	96

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. Jagjeet Kaur Saluja	Professor	Best Researcher Award
2019	Dr. R S Singh	Professor	United Group Paper Award for collaborative Research
2019	Dr. Alka Tiwari	Professor	Life Time Achievement Award for Teaching
2019	Dr. A K Singh	Professor	United Group Paper Award for collaborative Research
2019	Dr. A K Singh	Professor	Member in the National Academy of Sciences India (NASI)
2019	Dr. Suchita Gupta	Professor	Recognition award by CREDA
2020	Dr. Satish Sen	Associate Professor	VVM Exam evaluator, Govt. of India
2020	Dr. Anil Kumar	Professor	International Research Leadership award by International Research Council
2020	Dr. Prashant Srivastava	Assistant Professor	Best Teacher award by Institute of Scholars
2019	Dr. Tarlochan Kaur	Assistant Professor	Recognition award by Govt. of India NAACO
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last	Date of declaration of

			semester-end/ year-end examination	results of semester-end/ year- end examination
BSc	BSC	Part I	15/09/2020	01/10/2020
BA	BA	Part III	10/10/2020	27/10/2020
BA	BA	Part II	15/09/2020	01/10/2020
BA	BA	Part I	15/09/2020	01/10/2020
BSc	BSC	Part II	15/09/2020	01/10/2020
BSc	BSC	Part III	10/10/2020	27/10/2020
BCom	BCOM	Part I	15/09/2020	10/10/2020
BCom	BCOM	Part II	15/09/2020	10/10/2020
BCom	BCOM	Part III	10/10/2020	27/10/2020
MA	MA	SEM IV	21/09/2020	20/10/2020
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
Nill	5152	0

2.6 – Student Performance and Learning Outcomes

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

https://govtsciencecollegedurg.ac.in/PO-CO-PSO.pdf

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
BA	BA	Arts	257	254	98.82
BSC	BSc	Science	681	675	99.13
BCOM	BCom	Commerce	329	322	97.81
BCA	BCA	Computer Application	34	34	100
BLIB	BLibISc	Library Science	33	30	90.91
MA	MA	Arts	134	132	98.50
MSC	MSc	Science	198	172	86.86
MCOM	MCom	Commerce	80	80	100
DCA	PGDCA	Computer Application	155	127	81.94
MLIB	MLibISc	Computer Application	20	20	100
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2.7 – Student Satisfaction Survey

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

https://govtsciencecollegedurg.ac.in/StudentSatisfactionSurveySubmitted.xlsx

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

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

Yes
Name of the teacher getting seed money
Dr. Anil Kumar
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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Dr. Jagjeet Kaur Saluja	Outstanding Research work	30/01/2020	BIT Raipur
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3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	2020	DST New Delhi	1750000	551000
Major Projects	2020	BARC, Mumbai	3251400	647530
Major Projects	2020	DST WOSA	3105000	Nill
Projects sponsored by the University	2020	G. V.Y.T. PG. College, Durg	500000	100000
Projects sponsored by the University	2020	G. V.Y.T. PG. College, Durg	500000	100000
Projects sponsored by the University	2020	G. V.Y.T. PG. College, Durg	50000	25000
Projects sponsored by	2020	G. V.Y.T. PG. College, Durg	50000	25000

the University				
Projects sponsored by the University	2020	G. V.Y.T. PG. College, Durg	50000	25000
Projects sponsored by the University	2020	G. V.Y.T. PG. College, Durg	50000	25000
Projects sponsored by the University	2020	G. V.Y.T. PG. College, Durg	50000	25000
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

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3.3 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
DNA Barcoding (Association of ATG lab Pune)	Biotechnology	10/02/2020
International workshop on Recent problem and prospects of COVID-19	Biotechnology	31/05/2020
Relevance of IPR in Biotechnology	Biotechnology	30/01/2020
International Year of Periodic Table (IYPT)	Chemistry	07/11/2019
International Conference on Materials for Environment (ICME 2020)	Chemistry	24/01/2020
IPR	Physics	05/01/2020
Novel Materials	Physics	29/01/2020
International Webinar on Worldwide effect of COVID on research and development	Physics	24/06/2020
One day seminar on IPR	Zoology	19/09/2019
Programmatics Discourse Analysis	English	17/10/2019
Emerging Challenges in Teaching of Language Literature in the Virtual World	English	07/06/2020
Advance Learning in Biological Sciences	Microbiology	13/01/2020

CRISPER Technology	Botany	25/02/2019
IPR	Botany	19/10/2019
E-Survey of Medicinal Plants	Botany	Nill
Hareli Plantation Programme and Poster completion	Botany	30/07/2019

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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Removal of dyes by magnetic/ activate charcoal/ beta cyclodextrin/ sodium alginate composite gel beads	Sushma Yadav	Govt. V.Y.T. PG. Auto. College Durg- BARC- CCOST	25/01/2020	Oral Presentation
Antibacterial activity of metal and polymer nanoparticle decorated graphene oxide nanocomposite	Ranjana Dewangan	Govt. V.Y.T. PG. Auto. College Durg- BARC- CCOST	25/01/2020	Poster Presentation
Post Doctoral Fellowship	Dr. Pravinyalata Markandey	ICSSR New Delhi	06/02/2020	PDF

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

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
Launch Pad	Entrepreneurship Cell and Incubation Centre	Self	Siddhachalam Envirotech LLP	Education Services	03/06/2019
Launch Pad	Entrepreneurship Cell and Incubation Centre	Self	Aviral Mine Planning and Environment Services Pvt. Ltd.	Education Service	23/07/2020

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded

Chemistry	2
Physics	1
Sociology	2
Hindi	3

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Chemistry	2	Nill
International	Chemistry	11	2.5
International	Physics	22	3.40
National	Biotechnology	1	4.77
International	Biotechnology	5	2.58
International	Zoology	1	3.3
International	commerce	3	3
National	Economics	4	3.92
National	Sociology	6	Nill
International	Sociology	4	4.17
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Hindi	1
Political Science	3
English	2
Mathematics	6
Sociology	3
Economics	1
Physics	2
Chemistry	5
Biotechnology	2
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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Fitness inteligent predictive analytics using DEEP learning	Published	202011006914	28/02/2020
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Political Communication and public opinion formation : with Reference to Chhattisgarh Legislative Assembly Election 2018	Dr. Suchita Shrivastava	IJRCS	2020	Nill	Govt. V.Y.T. PG. Autonomous College, Durg, Chhattisgarh	Nill
Mulya Adharit avam ekaki sanyukt parivar ke kishore bachcho ke sambandh me	Dr. Suchita Shrivastav	IJMER	2019	Nill	Govt. V.Y.T. PG. Autonomous College, Durg, Chhattisgarh	Nill
A positive correlation between Sickle Cell Anemia and G6PD Deficiency from population of Chhattisgarh, India	Lohit Raj Shivwanshi, Ekta Singh, Anil Kumar	Gene	2019	3.688	Govt. V.Y.T. PG. Autonomous College, Durg, Chhattisgarh	Nill
Population with genetically correlated monogenic problem of Durg District of Chhattisgarh, India	Ekta Singh, Lohit Raj Shivwanshi, Anil Kumar	Advances in Bioresearch	2019	4.77	Govt. V.Y.T. PG. Autonomous College, Durg, Chhattisgarh	Nill
Identification of	Lahare Rajeshwari	Research Journal of	2019	Nill	Govt. V.Y.T. PG.	Nill

functional groups in leaf, stem and root extract of Andrographis pennniculata by FTIR	Prabha, Anil Kumar	Chemistry and Environment			Autonomous College, Durg, Chhattisgarh	
Snake Venom and Herbal Antidot	Ekta Singh, Lohit Raj Shivwanshi, Anil Kumar	International Journal of Biological Sciences	2019	6.58	Govt. V.Y.T. PG. Autonomous College, Durg, Chhattisgarh	Nill
HPTLC based Screening of Beta-sitosterol from andrographis paniculata	Rajeshwari Prabha Lahare, Anil Kumar	Nature, Environment and Pollution Technology	2019	3.85	Govt. V.Y.T. PG. Autonomous College, Durg, Chhattisgarh	Nill
Subcellular dynamics of variants of SG2NA in NIH3T3 fibroblast	Shweta Pandey	Cell Biology International	2020	2.5	Govt. V.Y.T. PG. Autonomous College, Durg, Chhattisgarh	Nill
Histopathological changes in liver fish Channa punctatus (Bloch) exposure in effluent of Bhilai Steel Plant	Dr. Alka Mishra	International Journal of Research in Biological Sciences	2019	3.3	Govt. V.Y.T. PG. Autonomous College, Durg, Chhattisgarh	Nill
Influence of SiO2 nanoparticles on the dielectric properties and anchoring energy parameters of pure fe	Abhishek Kumar Misra, Aaradhana Roy, Kamal Kumar Pandey, Rahul Shrivas, P.K. Tripathi, Bhupendra	Journal Of Dispersion Science And Technology	2020	1.7	Govt. V.Y.T. PG. Autonomous College, Durg, Chhattisgarh	Nill

rroelectric liquid crystal	Pratap Singh, JK SALUJA and R. Manohar					

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Histopathological changes in liver fish Channa punctatus (Bloch) exposure in effluent of Bhilai Steel Plant	Dr. Alka Mishra	International Journal of Research in Biological Sciences	2019	Nill	Nill	Govt. V.Y.T. PG. Autonomous College, Durg, Chhattisgarh
Subcellular dynamics of variants of SG2NA in NIH3T3 fibroblast	Shweta Pandey	Cell Biology International	2020	77	Nill	Govt. V.Y.T. PG. Autonomous College, Durg, Chhattisgarh
HPTLC based Screening of Beta-sitosterol from andrographis paniculata	Rajeshwari Prabha Lahare, Anil Kumar	Nature, Environment and Pollution Technology	2019	10	2	Govt. V.Y.T. PG. Autonomous College, Durg, Chhattisgarh
Snake Venom and Herbal Antidot	Ekta Singh, Lohit Raj Shivwanshi, Anil Kumar	International Journal of Biological Sciences	2019	89	4	Govt. V.Y.T. PG. Autonomous College, Durg, Chhattisgarh
Identification of functional groups in leaf, stem and root extract of Andrographis pennicu	Lahare Rajeshwari Prabha, Anil Kumar	Research Journal of Chemistry and Environment	2019	18	Nill	Govt. V.Y.T. PG. Autonomous College, Durg, Chhattisgarh

lata by FTIR						
Population with genetically correlated monogenic problem of Durg District of Chhattisgarh, India	Ekta Singh, Lohit Raj Shivwanshi, Anil Kumar	Advances in Bioresearch	2019	11	2	Govt. V.Y.T. PG. Autonomous College, Durg, Chhattisgarh
A positive correlation between Sickle Cell Anemia and G6PD Deficiency from population of Chhattisgarh, India	Lohit Raj Shivwanshi, Ekta Singh, Anil Kumar	Gene	2019	177	9	Govt. V.Y.T. PG. Autonomous College, Durg, Chhattisgarh
Mulya Adharit avam ekaki sanyukt parivar ke kishore bachcho ke sambandh me	Dr. Suchita Shrivastav	IJMER	2019	Nill	Nill	Govt. V.Y.T. PG. Autonomous College, Durg, Chhattisgarh
Political Communication and public opinion formation : with Reference to Chhattisgarh Legislative Assembly Election 2018	Dr. Suchita Shrivastava	IJRCS	2020	Nill	Nill	Govt. V.Y.T. PG. Autonomous College, Durg, Chhattisgarh
Influence of SiO2 nanoparticle	Abhishek Kumar Misra, Aaradhana	Journal Of Dispersion Science	2020	53	Nill	Govt. V.Y.T. PG. Autonomous College,

s on the dielectric properties and anchoring energy parameters of pure ferroelectric liquid crystal	Roy, Kamal Kumar Pandey, Rahul Shrivas, P.K. Tripathi, Bhupendra Pratap Singh, JK SALUJA and R. Manohar	And Technology				Durg, Chhattisgarh

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	89	136	28	25
Presented papers	16	26	7	5
Resource persons	4	21	12	13

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Biotechnology	Identification of Functional group in leaf stem extract of Urana lobata by FTIR	Govt. N.P.G. College of Science, Raipur	5000
Biotechnology	Screening of Hemoglobin disorder among population of Chhattisgarh, India	Govt. N.P.G. College of Science, Raipur	5000
Biotechnology	Extracellular Biosynthesis of silver nanoparticle using endophytic fungi isolates from Urena lobata	Kalyan P.G. College, Bhilai	5000
Biotechnology	Phytochemical analysis antioxidant potential and green synthesis of silver nanoparticle using Bridelia retusa	Kalyan P.G. College, Bhilai	5000
Biotechnology	Hemoglobinopathy (Sickle Cell Anemia) profiling	Sardar Patel University, Balaghat	5000

Biotechnology	Green Synthesis and characterization of Silver nanoparticle its antimicrobial effects	Amity University, Chhattisgarh	5000
Physics	T.L. Study	Govt. V.Y.T. PG. Auto. College, Durg C.G.	10000
Microbiology	Scientific Project	Govt. ERR Science Colleg, Bilaspur	10000
Psychology	Counseling Service	NMHP-Durg	12000

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

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Biotechnology	One Day Training Workshop to Senior Secondary School Teacher	DAV Public School, Hudco, Bhilai	12000	12

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3.6 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Awereness programme for prevailing disease and subject popularization programme	Department of Microbiology	4	43
Plant Propagation Techniques	Govt. Higher Secondary School, Khamaria	2	100
One day Mushroom Cultivation Programme	Govt. Higher Secondary School, Khamaria	2	100
INSPIRE camp	Govt. V.Y.T. PG. Auto. College, Durg	14	65
Industrial Visit	By Department of Chemistry at S.R.T. Agro Pvt. Ltd.	3	44

	Funda			
Industrial Visit	By Department of Chemistry at Kamal Solvent, Somni		3	48
Industrial Visit	By Department of Chemistry at J.K. Laxmi Cement		4	52
Awareness programme on Beti Bachao, Beti Padhao and Nasha Mukti	By Department of Chemistry at Govt. Govt. Middle School, Belody		3	45
Sickle Cell Anemia Screening Programme	Society of Biotechnology		5	25
Sickle Cell Anemia Screening Programme	Society of Biotechnology		5	21
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Swachchhata Abhiyan	First Rank	Hemchand Yadav University	5280
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Ground Water Survey programme	Department of Geology	Surface geographical investigation for ground water	2	8
Swachh Bharat Abhiyan	Department of Microbiology	Rally	4	43
Medicinal Plant Drive Campaign	Department of Botany	Medicinal Plantation campaign	9	250
Botanical Excursion	Department of Botany	Plant Survey	9	50
Clean Green Campus	Department of Botany	Dengue Awareness	9	500
Swatch Bharat	NSS and Department of Botany	Cleanness	9	250
Ek Bharat Shresth Bharat	Department of Chemistry	Unity Club Co-ordination and	1	49

		Partipitation competition		
N.S.S. YRC	Department of English CREDA	Wall Painting	2	Nill
N.S.S. YRC	Department of English	Gender sensitization equal opportunity	8	93
Swach Bharat Programme	Society of Biotechnology	Swachata Abhiya in Villege	3	40

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3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Comparative study for Foldscope Research Project	Department of Biotechnology, Govt. V.Y.T. PG. Auto. College Durg & Department of Biotechnology, Central University of Mizoram, Aizrwl	DBT, New Delhi	320
Scientific validation of traditional knowledge related to medicinal plants	Department of Biotechnology, Govt. V.Y.T. PG. Auto. College Durg & Prof. Namrita Lill Department of Plant and Soil Science, University of Pritoria, South Africa.	Self	318
Evaluation of Arsenic Toxicity	Department of Biotechnology, Govt. V.Y.T. PG. Auto. College Durg & Prof. S.B. Jonnalogadda, University of Kira Zula-Natal Durban, South Africa	Self	73
Mathematical Modelling of COVID-19	Department of Biotechnology, Govt. V.Y.T. PG. Auto. College Durg & Dr. Anwar Zeb COMSATS University, Islamabad, Pakistan	Self	74
Nanoparticle Study	Department of Biotechnology, Govt. V.Y.T. PG.	UGC-Fellow	71

	Auto. College Durg & M.H. Wang, School of Biotechnology, Kongwon National Univerisity, South Korea.		
Secondary Metabolites Characterization	Department of Biotechnology, Govt. V.Y.T. PG. Auto. College Durg & a. Lutfan Nahar Institute of Experimental Botany, ASCR & Palacky University Czech Republic b. Liverpool John Moores University, U.K.	UGC-Fellow	143
Minor Research Project	Pt. R.S.S. University, Raipur, CG	CGCOST	625
Student Exchange	02	Self Finance	70
Research Project	Prof. Alka Tiwari Department of Chemistry	Board of Research in Nuclear Sciences, BARC, Mumbai, India	951
Joint Research Project India – Bulgaria	Prof. A.K. Singh Department of Chemistry	DST, India – Bulgaria Bilateral Scientific and Technological Cooperation	630

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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Project Work	Project Work	CMBRT, Nehru Nagar, Bhopal, SSMV, Junwani, Bhilai, CCMB, Hyderabad, JLNM Medical College, Raipur	01/06/2019	31/08/2019	12

Sharing Research	Research Paper	Punjab University, Kerla, Banglore, RTM University, Nagpur, Lucknow University, BHU Varanashi, MS University, Baroda, NIT Shrinagar, DTU, New Delhi, Christ University, Bangluru, NIIST Trivendrum	Nill	Nill	02
Internship	External Project Work Linkage	Centre of Molecular Biology Research (CMBR) Bhopal	01/06/2019	31/08/2019	01
Internship	External Project Work Linkage	Oncotech Services Vishakhapatnam	01/06/2019	31/08/2019	01
Internship	External Project Work Linkage	Devlila Life Sciences Pvt. Ltd. Raipur CG	01/06/2019	31/08/2019	01
Internship	External Project Work Linkage	Jamia Hamdard, New Delhi	01/06/2019	31/08/2019	02
Internship	External Project Work Linkage	Barkatulla University, Bhopal	01/06/2019	31/08/2019	04
Internship	External Project Work Linkage	Agri Biotech Foundation, Hyderabad	01/06/2019	31/08/2019	04
Internship	External Research Project	Pt. R.S.S. University, Raipur CG	01/06/2019	31/08/2019	03
Internship	Exsternal Project Work Linkage	CTRTI Central Silk Board, Ranchi	01/06/2019	31/08/2019	04
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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year			
Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Bastar University, Jagdalpur	01/07/2020	Project Work, Faculty Exchange, Laboratory facilities	2
BIT Raipur	17/01/2019	Research activities, experimental work and discussion	12
Ins. of advances studies in English University of NIS	18/10/2019	Student Exchange Programme, ESP studies	Nill
Nehru Gram Bharti, University, Kotwa, Jamunipur, Pragraj (UP)	01/01/2020	Exchange programme for faculty development and students. Promote appropriate Joint Research projects and publication research papers, personality/ Carrier Development for students	5
G.S. College of Commerce Economics Jabalpur (MP)	12/11/2019	Nill	5
Saket Jain Co. Charted Accounted	20/08/2019	Internship On. the job training	75
Govt. ERR Science College, Bilaspur	Nill	Project Work	2
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
70	53

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Others	Newly Added

Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Seminar halls with ICT facilities	Newly Added
Classrooms with LCD facilities	Newly Added
Seminar Halls	Newly Added
Laboratories	Newly Added
Campus Area	Newly Added
Class rooms	Newly Added
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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
SOUL	Partially	2	2007

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	101247	31522270	501	119610	101748	31641880
Reference Books	10818	5102313	304	310000	11122	5412313
e-Books	3135000	Nill	Nill	Nill	3135000	Nill
Journals	96	268000	12	36000	108	304000
Digital Database	Nill	Nill	Nill	Nill	Nill	Nill
CD & Video	395	69600	4	2400	399	72000
Library Automation	31112	Nill	Nill	Nill	31112	Nill
Weeding (hard & soft)	Nill	Nill	Nill	Nill	Nill	Nill
Others(specify)	57	5952	Nill	Nill	57	5952
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr. Mita Chakraborty	A Passage to India by E M Forster	YouTube, www.cgschool.in ocm .govtsciencecolleeg durg.ac.in	23/05/2020

Dr. Jagjeet Kaur Saluja	Theory of Imperfect Gases	YouTube, www.cgschool.in ocm.govtsciencecolleegdurg.ac.in	21/04/2020
Dr. Abhishek Kumar Misra	NORTON THEOREM	YouTube, www.cgschool.in ocm.govtsciencecolleegdurg.ac.in	08/06/2020
Dr. Sanju Sinha	Colorimetry	YouTube, ocm.govtsciencecolleegdurg.ac.in	21/05/2020
Dr. S.D. Deshmukh	Double Refraction, Nicol Prism construction and working	YouTube, ocm.govtsciencecolleegdurg.ac.in	21/05/2020
Dr. Pragya Kulkarni	Protein Profile study by SDS PAGE	YouTube, ocm.govtsciencecolleegdurg.ac.in	26/05/2020
Dr. Sunitha B. Mathew	Statistical Thermodynamics - Basic concepts	YouTube, ocm.govtsciencecolleegdurg.ac.in	23/05/2020
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	150	3	132	5	3	4	53	0	0
Added	30	0	0	1	0	0	4	0	0
Total	180	3	132	6	3	4	57	0	0

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

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Smart Class Room	www.cgschool.in

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
10	86.92	50	46

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

Effective operation of academic and administrative process is a backbone of our college. Democratic process has been adopted to take any decision related to maintaining and utility physical, academic and sports facilities. Laboratory stock checking of all the recurring and non recurring equipments is done in all the departments regularly. Regular maintenance in all the laboratories and repair works are carried out. The departmental library is taken care of by the staff in charge in each department. In the department stock registers, accession register, stock issue register and condemned register are maintained. Internal stock audit is done by other department HoD or senior faculty members. The maintenance and service of the computer problems are handled by the concerned lab technicians and system administrator. Computer systems are installed with power back up. Students are instructed to follow standard operating procedures strictly during the use of systems to avoid system failure due to improper usage. There is a separate building committee in the college which look after the matter related to construction work. PWD RES has been engaged to undertake construction and maintenance work as when required. For electrical maintenance work there are two electricians in the campus. For plumbing work one plumber have also been engaged. The Principal has appointed a Prof. in charge for the maintenance of the Green and Clean Environment of the campus. Three gardeners have been appointed for maintaining the greeneries of the campus. There are sweepers cum cleaners appointed for the regular cleaning of the campus. A separate sports committees is there in the college for the development of sports facilities and to encourage excellent sports persons in the college. A barrier is fixed at the main entrance with a guard. Fire extinguishers are fixed in labs and in each block of building including library for safety purpose. CCTV cameras are fixed in labs and in each passage of building for security purpose. Different committees are constituted and the professors-in-charge are appointed to look after the maintenance of RO water filter maintenance, senitezer machine, CCTV, Cycle stand, Canteen, parking zone, gas supply system etc. From time to time the website is updated and monitored by the website committee. The department of Botany maintains the botanical garden. The Garden committee ensures the greenery through out the campus. There is a mechanism to analyze the nature of grievances. Grievances/complaints are promptly attended and resolved by the college administration and Grievances Redressal cell. As for as academic matters are concerned, departmental board of studies are authorized for implementation of new curriculum and courses too. The syllabus and curriculum approved by various Board of studies of departments are further passed by academic council of the college finally Governing body approves the matter for concerned academic year. Autonomous cell is working in the college which is responsible for conduction of regular examinations and declaration of results.

https://govtsciencecollegedurg.ac.in/

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Scholarship to toper students	3	26000
Financial Support from Other Sources			
a) National	SC, ST, OBS, Scholarship of UGC, DST, BARC, CSIR JRF	4273	1882000

b)International	0	Nill	0

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Personal Counselling mentoring	06/12/2019	4	Biotechnology department
personal Counselling and Mentoring	06/12/2019	25	Psychology Department
Stress Management	03/11/2019	103	Col. Dhiraj Malik
Meditation	01/11/2019	75	Heartfulness Meditation
Soft Skills Development	17/01/2020	161	IQAC All department
Spoken English	25/11/2019	90	Gurukul
Tally	17/10/2019	64	Avis Educom Training Services
Yoga	01/11/2019	75	Department of Geology
Remedial Coaching	09/09/2019	1112	All Departments

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	Career Guidance Counselling	226	226	24	11

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nill	Nill	1

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations	Number of students	Number of stduents placed	Nameof organizations	Number of students	Number of stduents placed

visited	participated		visited	participated	
NIL	Nill	Nill	TCS	112	11

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	359	B.A., B.Com.,B.Sc., B.C.A	Physics, Chemistry, Maths, Botany, Zoology, Geology, Microbiology, Biotechnology, Hindi, English, Sociology, Economics, Political Science, History, Commerce, Computer Science	Govt. V.Y.T.PG Autonomous College Durg BIT, Durg NIT Raipur Durg University	M.A., M.Sc., M.Com
2019	37	M.A., M.Sc., M.Com	Physics, Chemistry, Maths, Botany, Zoology, Geology, Microbiology, Biotechnology, Hindi, English, Sociology, Economics, Political Science, History, Commerce	Pt. R.S.S. University, Raipur Hemchand Yadav University, Durg	Ph.D, M.Phil

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

Items	Number of students selected/ qualifying
NET	11
SET	28
GATE	1
Any Other	18

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

Activity	Level	Number of Participants
Cultural activities EBSB (Ek Bharat Shresht Bharat)	College	60
Presentation	State level	4
Quiz Competition	College, Inter College, University	414
Cultural	College, State Level	252
Debate	University Level	18
MCQ Test	College Level	319
Sports	College Level	217

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Debate Competition	National	Nill	1	Nill	Ashish Dewangan
2019	Elocution competition	National	Nill	1	5260	Pratiksha Tiwari
2019	Trilingual Competition	National	Nill	1	5260	Pratiksha Tiwari
2019	Essay Competition	National	Nill	1	Nill	Dhalin
2020	Kick Boxing	International	1	Nill	Nill	Laxmi Tiwari
2020	Bench Press	National	1	Nill	Nill	Laxmi Tiwari
2020	Dead Lift	National	1	Nill	Nill	Laxmi Tiwari

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

The college has a committed students' union which was nominated on the basis of merit following the guidelines of the State Government. Students were nominated for the post of President, Vice-President, Secretary and Vice-Secretary. Besides representing students union, student representatives were included in academic bodies like Board of studies and Academic Council. The office bearers coordinated with the students in promoting academic and extra-curricular activities in the college. They also played on important role in organizing

various inter departmental competitions and Annual Day Function. Students were also engaged in programmes like self-defence workshops, cleanliness drives, health check-up drives, blood donation camps, soft skill enhancement workshops, tree plantation drives and social awareness programmes. The members of the student union also gave assistances and guidance to the students and their parents at the time of admission. After the outbreak of COVID-19 Pandemic students of various departments prepared videos on creating awareness among the students and local populace.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Department level Alumni meet was organized during the session. The Alumni association offered extensive support to students and the institution. Departmental meets allowed for better opportunity for the students to interact and learn from the alumni. Alumni of some departments offered their help and support to the students by proposing to conduct workshops for them and donating books in future.

5.4.2 – No. of registered Alumni:

611

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

50000

5.4.4 – Meetings/activities organized by Alumni Association :

Departmental level meeting was held during the session. The Alumni has been very supportive towards students and College. Along with extending financial assistance, they have also proposed to help students in different ways in the meetings held.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

Various academic duties and responsibilities are shared by the college staff. Principal being the head of the institution delegates responsibilities to the professors by forming different committees. Faculty-in-charge is appointed for the seamless functioning of the three academic streams- Arts, Science and Commerce. Moving ahead the heads of the various departments share the academic and administration responsibility. Full autonomy is ensured to all the departments with regard to extra academic activities like curriculum designing (as per UGC norms) modification in evaluation system, organizing seminars (national international both) extension lectures and academic tours. This practice of decentralization has resulted in participative management with the onus of suggesting planning and executing lying with the faculty members of the various departments of the college. Formation of Committees at the central and department level also ensures participatory management in the institution. The college administration holds regular meetings where the teachers and the supporting staff are free to express their views. Every new project or system is first put up in a staff meeting and is then implemented and incorporated as per the suggestions received. Students also play an important role in the participative management and decision making for academic and other activities of the college. The college student union works for the welfare of the students. The students body under the supervision of the college authority

organizes different co-curricular events.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Industry Interaction / Collaboration	**o Collaboration with national international institutes of high repute and industries has resulted in increase in competencies of the students and the teaching staff alike. o Institutional collaboration promote new learning and innovations. To this effect National and International MOU's have been signed by the departments of English Chemistry, Physics, Microbiology, Maths, Biotechnology. o Industrial visits and training is another regular practice of the institution. Students visit and receive training at Sugarcane Industry Kawardha, Amul Milk Industry Chandrakhuri and other neighboring industries. Students also attend Summer Internship Programme in Academy of Sciences. Commerce students visit local C.A. and local Auditor for internship. o Eminent industrialist are invited to motivate students towards entrepreneurship and self reliance.**
Library, ICT and Physical Infrastructure / Instrumentation	**? Library ICT and physical infrastructure/Instrumentation- o Renovation of Physics Botany lab in progress. o Sanction for the new set-up and updation of English language lab. the purchase of new language learning devices for the up-gradation English language lab. o Water supply system modified ensuring uninterrupted water supply in the campus. o New setup for examination and Autonomous Cell is in progress. o 4 smart classrooms established in the department of Botany, Zoology, Maths and political Science. o One studio room for recording video lectures has been developed. o One lecture hall has been ungraded with the installation of 6 A.C., 200 new chairs and a projector screen. o Library offers public service and is open for general public outside of College. o Library is semi automated having SOUL 2.0 version and is Furnished with large no. of Text books, reference books, e books, e journals**

		and MBPS/GBPS bound width. o E content development for SWAYAM and MOOCs is in process. Library, ICT and Instrumentation For New set-up of computer lab the following item were purchased ? 46 computer table ? 46 computer chains ? 48 desktop computers Following Instruments were purchased for Laboratory purpose ? 10 Digital PH meter purchased ? 3 Electronic Top Pan Balance purchased ? 01 Elsa reader ? 01 Binocular polarizing microscope ? 07 photo Electric Colorimeter ? 01 software for Pl setup ? 06 visible spectrophotometer
	Examination and Evaluation	o Examination is conducted by the college autonomous cell maintain all the protocols of secrecy o For PG programme semester system is followed where in each academic session has two semesters. For UG programme annual examination system is followed. For PG programme 20 marks are reserved for internal assessment (Seminar Presentation, field work and assignment) and 80 are allotted for final examination. For UG 10 marks are reserved for internal assessment (model test) and 90 for final examination. o Exam committee consisting of exam. Superintendent and Asstt. Superintendent is formed for the smooth conduction of exams. o Prior to the declaration of results its certification is done by the result committee. o The entire process of examination and evaluation is done using latest technological device and apps. o Due to C-19 internal assessment was conducted in the form of assignments. The format of assignment was similar to final exam. question paper pattern. o Also the exams for UG final year and PG fourth semester were conducted as open book examination.
	Curriculum Development	Affiliated to HCYU Durg, the college follows syllabus approved by the state Central Board of Studies for UG for PG Programme UGC model is followed • BoS meet is organized every year by the departments and up-dation of the syllabus is done following UGC guideline. • The BoS comprises of the departmental faculty members, subject experts from colleges of repute and student representations. • While introducing a new course the

	feasibility, the relevance, academic requirement and its conformity with the vision and mission of the college is taken into consideration. For PG programme, seminar presentation, internal assessment and project work are part of evaluation other than semester examination.
Teaching and Learning	o At the commencement of every session a central time-table is prepared on the basis of which the departments prepare their individual time table. o The College prospectus offers information of the elective combination available at UG level (20 in Arts, 12 in Science and 2 in commerce) o The traditional mode of education is supplemented by use of ICT, field work, guest lectures, projects, industrial visits etc. o E content of the syllabus prepared by the staff is uploaded at college website and CG portal. o Free Wi-Fi internet connectivity in the campus ensures better usage of online learning resources. o Following C-19 online teaching was done for the PG students.
Research and Development	o A multi disciplinary research journal with an ISSN no. "Research Expression" is published bi-annually by the College. o The College grants seed money of Rs. 1 Lac to 2 minor project each and Rs. 5 lacs to one major project. o Registration fee for inter-National conference paper presentation is sponsored by the college. o Paper presented by the faculty 17 international 27 national 7 state and 5 at local level seminars. o Faculty members have attended 137 national 53 international 23 state level seminars and workshops. o All PG departments of the college are registered research centers with 47 research guides and 182 research scholars and Ph.D. Degree awarded to 8 scholars. o Six departments are recognized as highly rated deptt. by UGC under CPE. o 05 international and 11 national conference have been organized by the college. o 14 International and 3 National Research Collaboration have been undertaken o 12 MoU have been signed by various department of the college of which 03 MoUs generate revenue. o In the field of publication the college faculty have to their

	credit 19 book chapters, 82 papers in international journals and 44 national journals Ph.D degree has been awarded to 08 research scholar. o 05 major and 08 minor research project of UGC, DST, DBT, BARC, CGCost have been undertaken.
Human Resource Management	o The college regularly organizes yoga and meditation classes for all its stakeholders. o Following the Govt. norms the college has a process of structured self-appraisal system o Participatory governance ensures active involvement of all the stakeholder o A short period (3 days) computers training programme for teaching and Non-teaching staff was organized. o Orientation programme for guest lecturers and appointees from Jan-Bhagidari systems is organized to orient them with the work culture and the mission and vision of the institution.
Admission of Students	o The institute offers both online and offline facilities for admission and payment of fees. o Admission committees are formed for all subject streams and classes for seamles admission process. o Admission is done as per the norms of the state higher education. o Merit forms the basis of admission. To maintain transparency the list of students getting admission with their marks/percentages is declared time to time o Reservation rules for reserved category SC/ST/OBC are strictly followed by

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

E-governace area	Details
Planning and Development	1. SMS alert system for providing information and regular notice to all staff members and students 2. separate mobile app of college
Administration	o Promoting paperless work administration puts all its notification through a whatsapp group controlled by the principal and administration staff of the institution. o Online submission of salary is practiced Online leave requisition system is in practice. o Installation of RFID systems is in progress. o Archiver of notices, documents and photography has been created. o E tender system through state good portal is adopted. o LFD

	system display for students has been installed.
Finance and Accounts	o College finance and accounts are digitalized o Salary bills are computer generated o Disbursement of funds etc are done digitally.
Student Admission and Support	o Students have the option of taking admission online and paying fees online. o Students database preparation is done through software. o College activities and notification are uploaded in the college website. o E content in the form of video lectures, PDF have been uploaded in the college website o E co-curricular activities like online power presentation competition online quiz competition were organized.
Examination	o The examination system of the college is fully digitalized. Issue of admission cards, display of time-table, declaration of result is done online. o Due to pandemic the question papers were uploaded on the college website and the students had the option to either upload the PDF of their answer sheets or submit the hard copy of answer sheet in the college.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2020	Dr. Jagjeet kaur	International Conference	BIT Raipur	3500
2020	Siteshwari Chandrakar	NCLA	Luminescence society of India	3000
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Orientation Programme	Orientation Programme	06/08/2019	06/08/2019	36	Nill

		for newly appointed teachers				
2019	State level workshop for Non-teaching College staff	Office establishment and laboratory maintenance	25/09/2019	28/09/2019	Nill	40

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Commerce -2 week FDP on Entrepreneurship by CITCON, Raipur	2	20/01/2019	01/02/2019	13
Psychology-Refresher Course	1	11/07/2019	25/07/2019	15
Physics -Refresher Course	1	25/07/2019	14/08/2019	20
Microbiology-E-learning Noocs MHRD Pt. RSW Raipur	1	19/08/2019	24/08/2019	6
C/S-Orientation Course	2	04/07/2019	31/07/2019	27
Economics -Short Term Course on Communication Skills (HRDC)	1	22/07/2019	27/07/2019	6
Zoology-Refresher Course	1	10/10/2019	23/10/2019	13
Botany - FDP	1	18/01/2019	01/02/2019	14
Commerce -FDP – Teaching tools to know down the hock down	1	16/05/2020	20/05/2020	5

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
83	83	39	40

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Medical Leave, study leave, Earned leave, loan facility, leave for attending conferences, maternity leave for lady teacher and paternity leave for gents teachers, child care leave for ladies, special leave for Covid-19 affected staff.	Medical leave, Earned leave, loan facility, maternity leave for lady employees and paternity leave for gents employees, handicapped travel allowance, cashier risk allowance, computer operating allowance, confidential allowance, medical allowance, uniform allowance, festival advance, cycle allowance, photocopier allowance, mobile allowance	National scholarship poor student fund, SC,ST, OBC scholarship, merit cum means scholarships, single girl child scholarship, all UGC and DST, SAF scholarships, freeship for meritorious students, freeship for Naxal affected students, freeship for orphan students, freeship for Divyanag students, Covid-19 subsidy scholarship,Naunihaal scholarship by labour department, inspire scholarship

6.4 – Financial Management and Resource Mobilization

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

Yes, Our Institution conducts internal audit through the committee of staff members constituted by the principal of the college. In this committee Registrar and Head Clerk are also included. Similarly external audit of all accounts is also done by the registered charted accountant every year. Govt. audit is also done by AGCG, Government of Chhattisgarh.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Smt. Nirmala Pathak , Shri Ashok Sharma , Dr. Suchitra Gupta ,Shri Mohan Gupta ,Dr. Anil Kashyap,, Dr. Anita Shukla ,Ms. Alakknanda Abhijeet Tamaskar , Shri Surendra Surana	952000	Scholarship and Medal
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6.4.3 – Total corpus fund generated

952000

6.5 – Internal Quality Assurance System

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

Audit Type	External	Internal

	Yes/No	Agency	Yes/No	Authority
Academic	Yes	High power expert committee	Yes	IQAC
Administrative	Yes	High power expert committee	Yes	IQAC

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

? Regular parent teachers meet is organized which has resulted in a very active and participative PTA of the college. ? It functions to promote the welfare of the youth in home and college. ? Apart from getting an might into the Childs performance. Face to face meeting help build harmonious relationship between parents and teachers.

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

? Computer literacy programme ? Yoga classes ? Health Awareness Programme ? Stress Management Programme

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

The third cycle of assessment and reaccreditation was done in Feb. 2017- For the quality enhancement of the Institution the institution has started following professional courses (a) PG programme in IT (b) Six month certificate courses in. (i) Disaster Management (ii) Environmental Science (iii) Human Rights (iv) Information Technology (v) Rural Development (vi) Consumer Production (vii) Business skill (viii) GST ? Improvement in institutional infra-structure • Construction of Girls Hostel Completed. • Boys Hostel renovated. • Library partially computerized • 4 smart class room constructed • Studio room for recording Video lectures installed • Advanced and effecting use of ICT in teaching and learning has created increased learning opportunities for the students. • Free Wi-Fi connectivity in enter campus.

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Campus recuitment TCS	19/09/2019	19/09/2019	20/09/2019	65
2019	Personality development programme	16/09/2019	18/09/2019	25/09/2019	42
2019	Spoken English Programme	25/11/2019	25/11/2019	25/01/2020	90
2019	Prospectus	14/06/2020	14/06/2020	14/06/2020	693

	challenges for future NAAC Accrediation in Colleges				
2019	Induction Programme for Newly admitted students	28/08/2019	28/08/2019	30/08/2019	915
2019	Academic Council Meeting	06/09/2019	06/09/2019	06/09/2019	23
2019	Workshop on Theatre Life underst anding the Character	09/09/2019	09/09/2019	09/09/2019	42
2019	Workshop on Theatre Life underst anding the Character	10/10/2019	17/10/2019	17/10/2019	35
2019	NAAC Accre ditation UGC Paramarsh Applied (MOU with 05 non with accredited 05 Accredited college for better scoring)	16/06/2019	13/09/2019	13/09/2019	30
2019	Discussion on New Education Policy	20/07/2019	20/07/2019	20/07/2019	82
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Medical guidance on Cancer	16/11/2019	16/11/2019	142	Nill
Life and Life Skills	18/11/2019	18/11/2019	134	Nill

Sukanya Samriddhi Yojna	04/10/2019	04/10/2019	13	12
Sukanya Samriddhi Yojna	06/12/2019	06/12/2019	11	14
Sukanya Samriddhi Yojna	19/02/2020	19/02/2020	12	13
Social Awareness	18/11/2019	18/11/2019	64	24
Self Defence workshop	20/01/2020	03/02/2020	97	Nill
Safety and Hygiene	17/02/2020	17/02/2020	Nill	Nill
Gender and Gender Sensitivity.	20/01/2020	20/01/2020	50	44
Balika Diwas	30/01/2020	30/01/2020	45	12
Hygiene and sanitation during periods	17/02/2020	17/02/2020	50	Nill
Legal Guidance	17/02/2020	17/02/2020	50	Nill
International Women's Day	08/03/2020	08/03/2020	50	Nill

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

Percentage of power requirement of the University met by the renewable energy sources
1. The College has taken the following initiatives to save energy: • Solar panels installed. • Power saving LED bulbs. 2. The college also conducts Energy Audit and Green audit every year. 3. The institution involves both the teachers and the students in keeping the campus clean and green. • Green drive plantation of trees on various occasions. • Initiatives take to keep the campus Plastic free through Ban Plastic Programme. • Removal of Parthenium Plants that cause allergy. • Both Soild and liquid Wastes are properly disposed . • Rainwater is harvested. • Water for Birds and animals are kept in the campus during summer. • Wastewater in Recycled.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Ramp/Rails	Yes	5
Rest Rooms	Yes	2
Braille Software/facilities	Yes	6
Scribes for examination	Yes	15

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadva	Number of initiatives taken to engage with and contribute to	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff

	ntages	local community					
2019	1	1	07/07/2019	1	Dengue awareness	Spreading of dengue	252
2019	2	2	01/12/2019	1	Aids Awareness	Aids Awareness	72
2019	5	15	15/02/2020	15	Free coaching for students from the naxal affected areas	Coaching in English, Maths, Physics, Chemistry, Zoology, Botany	56
2019	1	2	05/10/2019	30	Helping the slow learners coming from vernacular medium	remedial classes in all subjects	390
2019	1	1	15/01/2019	7	Sickle cell awareness Camp by NSS Dept. Of Sociology	Sickle cell awareness	32
2019	1	1	18/11/2019	1	Life skills and livelihood for girls	Entrepreneurship for girls	134
2019	1	2	16/12/2019	2	Workshop on interview skills	Preparation for Interview	37
2019	4	1	18/05/2019	1	Covid awareness	Online lectures on Covid-19 awareness	135
2019	1	1	07/11/2019	1	Sheh Sampada SCHOOL FOR DIFFERENTLY ABLED	Distribution of stationery fruits. Organized cultural programme	35
2019	1	1	25/11/2	52	Course	Spoken	90

		019	in spoken English	English	

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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Suvidha Handbook, Chhattisgarh Government	01/01/2019	Suvidha Handbook provides rules and guidelines in accordance to the mandates for Government Employees of Chhattisgarh. The Book is referred to for various guidelines regarding code of conduct for all stakeholders including professors, students and staff, leave rules, travel rules and other important areas that required attention to maintain values and professional ethics in the field of academia.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
World Environment Day	05/06/2019	05/06/2019	57
World Aids day	01/02/2020	01/02/2020	55
World Ozone Day	16/09/2019	16/09/2019	35
First aid	11/09/2019	11/09/2019	41
National Science Day	28/02/2020	05/03/2020	296
Teachers Day	05/09/2019	05/09/2019	895
Spiritual Guidance	01/11/2019	03/11/2019	57
Red Cross Day	08/05/2019	08/05/2019	32
Youth Festival	12/01/2020	16/01/2020	52

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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

• Rainwater is harvested • Solar panels are installed • Tree plantations done every year • Waste disposed according to Government norms • Organic manures made out of Organic waste • LED bulbs use for power conservation • Plantation of saplings and extension services to villages done by NSS NCC

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

• MENTORING: As the lead college of this district the members of the college are involved with the process of mentoring at various levels and with various

aspects of teaching and learning and extracurricular activities. This year the college has involved itself in mentoring the following : Special mentoring programs for students from Naxal affected areas. ? Special coaching to improve their academic performance in Vigyan Vikas Kendra. ? Life skills to Mind fullness programs in Vigyan Vikas Kendra to coach them to heal from their trauma (if any). ? Self defence programs to the girls. ? Coaching for PSC, NET, SET exams. Committees are also involved in mentoring students for various competitive exams. The professors are assigned 14 mentee colleges to overlook their preparation for NAAC. The research scholars of other colleges are also mentored by the guides through the research platform. Mentoring other colleges of the state in addressing NAAC related issues. research related issues. The college is a part of UGC "Paramarsh" to mentor non-accredited colleges. • 2. Objectives of the practice is give support and upgrade the students and as a Nodal college mentor other colleges on various aspects leading to their development. • 3. The Context The college has been developing the culture of mentoring its students in all aspects of growth. Special attention is given to those students to come from Naxal affected areas or from economically backward areas. Students with special needs and need mentoring to resolve their emotional, psychological and educational issues. • 4. The Practice We organize camps in the society with the help of panchayat following ICMR norms to examine the population for the disease providing oral and well as written advice. We also evaluate other related pathogenicity,gene analysis of the problem so to provide data to medical expert for medical management of the sufferer. Both the department of Biotechnology and the Department of Sociology are involved in this project. NSS Camps in villages also conduct awareness drives on the causes of sickle cell anaemia • 5. EvidenceofSuccess With a remarkable improvement in their academic performance some of these students are doing their post graduate courses. The programs are designed every year is based on the requirements and the number of students have shown improvement in their results and enhanced employbility. As a result of mentoring Shri ShankaraVidyalaya recently got accredited with A grade. • 6. ProblemsEncountered and Resources Required The covid situation has made physical visits difficult for the students to the college. It has led to only online mentoring which has limitations. • 1. Title of the Practice EVALUATION AND MONITORING OF SOCIETAL GENETIC PROBLEM: SICKLE CELL AND ANAEMIA • 2. Objectives of the Practice Our objective under this practice is as follows: To understand pathogenic monogenetic problem of the society, particularly such as Anaemia. To evaluate frequency of the disease and its inheritance. To evaluate related pathogenicity, genomic susceptibility and possible remedies. To createmass awareness programme for improvement of quality of life. • 3. TheContext We perceived that our society is a mixture of primitive and modern population with various specific environmental and social (sanguinity) concerns which has created inheritable pathogenicity and resulted in poor quality of life. Our college has undertaken the problem with the aim to detect , to create awareness to provide modern scientific support, so that the quality of life of the people may be improved. • 4. ThePractice We organize camps in the society with the help of panchayat following ICMR norms to examine the population for the disease providing oral and well as written advice. We also evaluate other related pathogenicity,gene analysis of the problem so to provide data to medical expert for medical management of the sufferer. Both the department of Biotechnology and the department of sociology are involved in this project. • 5. Evidence of Success The awareness drives along with the medical campaigns brought an awareness towards the cause of Sickle Cell. As one of the reasons was found to be close marriages the villagers agreed to marry their children to other castes and after blood tests. The results will be found in the next generation. 6. Problems Encountered and Resources Required Sometimes problems are faced from the conversative sections of the tribes who refuse to give bold samples. The college provides seed money more funds are required. • 7.Notes (Optional) 3 new genes from patients of monogenetic disease

from our region. A positive corelation between sickle cell anaemia and glucose 6 phosphatase deficient population has been found. We have reached on an MOU with South Korea to evaluate the whole genome sequencing of such population to understand rare genetic disorders so as to contribute towards National GEWAS Programme.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
http://www.govtsciencecollegedurg.ac.in

7.3 – Institutional Distinctiveness

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

o Institutional Distinctiveness o The institutions is the biggest research centre of the state. It is a research centre for 18 subjects with nearly 273 students currently doing their research for Ph.D degree. o It has the distinction of having 5 research projects running currently. o Nearly 62 research papers are published every year by the faculty and scholars enrolled in this college. o No other college in this state has such a distinction.

Provide the weblink of the institution
http://www.govtsciencecollegedurg.ac.in

8.Future Plans of Actions for Next Academic Year

Since the lockdown happened in March 2020 we have moved to online teaching and learning and also moved other programmes to online mode. Optimising the benefits of online methods we plan to form collaborations with various institutions, organizations, colleges and place our college in the global platform. • To conduct International Online Seminars and other programs inviting international faculty thus exposing our students to the education of the world. • To extend its reach to the far and wide and also to the remotest areas of Chhattisgarh and India to involve participants in its programmes, lectures and other activities. • To make readily available Online library facilities, Lecture videos and other resources to the students. • To place Institute on the global platform with its research activities, new teaching methods and other activities, it is also reaching out to the remotest areas with its support and mentoring programmes. • To help uplift other colleges of the state under the Paramarsh Yojana of UGC. • To create collaboration/ linkages with other Institutions in India and Abroad . • To sign more MOUs and fetch Joint projects, and strive towards higher research activities. • To include various Skill development Programme in the curriculum to improve employability. • To conduct Yoga nad Meditation sessions regularly for students and teachers.