

Departmental profile

1. Name of the department— **Biochemistry**
2. Year of establishment – 2012
3. Infrastructure---
- A. Classroom available- NIL
- B. Laboratories and List of Equipment's--

	Name	List Of instruments
1.	UG Laboratory 30X30Sq F	1. Distillation Unit-02 2. Centrifuge (8000RPM) 3. Chemicals and Glassware
		1. Colorimeter-5 2. PH meter-02 3. conductivity meter-01 4. digital weighing balance- 01 5. electrophoresis apparatus-01 6. chromatographic apparatus-01
2.	PG Laboratory 31x11Sq F And 63X9 Sq F	1. Laminar Air Flow-01 2. Spectrophotometer-2 3. digital weighing balance- 01 4. electrophoresis apparatus-01 5. chromatographic apparatus-01 6. Autoclave-1 7. Incubator-2 8. Hot Air Oven-2 9. Magnetic stirrer-01
3.	Research laboratory (In PG Laboratory)	One Microbial research lab established on 2017

d). **Details of Departmental Library—** List Attached

4. Course Offered---

Year	Course	Intake			Actual enrollment			New Courses Offered
		UG	PG	Ph. D	UG	PG	Ph. D	
2013-14	Biochemistry	72	NIL	NIL	43	NIL	NIL	
2014-15		72	NIL	NIL	45	NIL	NIL	
2015-16		72	NIL	NIL	56	NIL	NIL	
2016-17		72	NIL	NIL	58	NIL	NIL	
2017-18		72	NIL	NIL	53	NIL	NIL	

5. Faculty Strength

Number of teachers Available	Year				
	2013-14	2014-15	2015-16	2016-17	2017-18
Professor	NIL	NIL	NIL	NIL	NIL
Asstt. Professor	01	01	01	01	01
Regular	01	01	01	01	01
Adhoc	NIL	NIL	NIL	NIL	NIL
Contractual	NIL	NIL	NIL	NIL	NIL
Guest Faculty	01	01	01	01	02
Visiting Faculty	NIL	NIL	NIL	NIL	NIL

List of faculty

Name	Designation	Qualification	Pay	Total Experience	No. of year in the college
Mrigendra Kumar dwivedi	Assistant Professor	M. Sc. Ph.D.	60800+ DA	15 years	06
Jitendra Thakur	Guest faculty	M.Sc. , NET	20800/- (200/- per lecture)	02 years	01
DinashankarBaghma r	Guest Faculty	M. Sc. SET	10000/- per Month	02 Years	01

6. Sanctioned, Working strength and Vacant position (faculty)

Category	Sanctioned			Working			Vacant			Grand Total
	Prof.	Asstt. Prof	Total	Prof.	Asstt. Prof	Total	Prof.	Asstt. Prof	Total	
Regular	NIL	02	02	Nil	01	01	NIL	01	01	02
Contract basis	NIL	01	01	NIL	02	02	NIL	NIL	NIL	02

7. Qualification of Faculty

Category	No. of Ph. D.	M. Phil	Other(NET/SET)	Total
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Regular	01	NIL	NIL	01
Contractbasis	NIL	NIL	02	02

8. Non Teaching Staff

- i). Sanctioned- NIL
- ii). Working--- 02
 - a. Technician- 01 (P. L. Dhruv)
 - b. Peon—01 (SushilDhruv)
 - c. Vacant (Requirement)---03

9. Research Profile

Year	Research Publication	Research Project	Seminar/ Conference/work shop/synopsis	Other research and consultancy related activity
2013-14	04	NIL	02	NIL
2014-15	01	NIL	02	NIL
2015-16	02	NIL	02	NIL
2016-17	01	NIL	02	NIL
2017-18	02	01	02	NIL

Research Publication---

S. No.	Name	Year	Title	Name of Journal	Volume	Page No.
1.	M. K. Dwivedi (Corresponding Author)	2010	Cardiovascular Disease and Risk Factors	International Journal of Biotechnology and Biochemistry	6 (3)	377–389
2.	M. K. Dwivedi (Principal & Corresponding)	2011	Homocysteine and cardiovascular disease	Biotechnology and Molecular Biology Review	5(5)	101-107
3.	M. K. Dwivedi (Principal & Corresponding)	2011	Genetic factors influencing stroke susceptibility	GERF Bulletin of Biosciences	2(1)	26-32
4.	M. K. Dwivedi (Co-Author)	2011	Rheumatoid Arthritis: A Complex Gene Environmental Interaction.	International Journal of Genetic Engineering and Biotechnology.	2; 1	9-12
5.	M. K. Dwivedi (Principal &	2012	Prevention and Control of	Journal of Physiology and Pharmacology Advances	2(3)	140-144

	Corresponding)		Cardiovascular Diseases by Drinking Water in Low and Middle Income Countries			
6.	M. K. Dwivedi (Co-Author)	2013	Obesity and ectonucleotide pyrophosphatase/phosphodiesterase 1 (ENPP1) polymorphism and their association with pathophysiology of diabetes type 2 in Central Indian Population. 2013: 19-26,	Journal of Diabetes and Endocrinology	Vol. 4(2),	19-26
7.	M. K. Dwivedi (Co-Author)	2013	Type 2 diabetes in a central Indian population: association with PPARG2 P121A allele but not ENPP1 K121Q.	Advances in Genomics and Genetics	3	1-9
8.	M. K. Dwivedi (Co-Author)	2013	The impact of fly ash on photosynthetic activity and medicinal property of plants Volume 2 Number 8 (2013) pp. 382-388	International Journal of Current Microbiology and Applied Sciences	2(8)	382-388
9.	M. K. Dwivedi (Co-Author)	2013	Nramp1 (slc11a1) Gene Polymorphisms and Tuberculosis Susceptibility. 3,(1) 2013: 97-109.	International Journal of Applied Biotechnology and Biochemistry	3(1)	97-109
10.	M. K. Dwivedi (Principal & Corresponding)	2015	The Role of MTHFR C677T Polymorphism on Blood Homocysteine Concentration and the Effect of Both of this on Susceptibility to Stroke.	ENLIVEN: JOURNAL OF GENETIC, MOLECULAR AND CELLULAR BIOLOGY	2(3)	1-5
11.	M. K. Dwivedi (Corresponding Author)	2015	The Association of IL-1 Beta with Pneumonia.	International Journal of Engineering Research & Technology (ISN CESR-2015 Conference Proceeding)	-----	-----
12.	M. K. Dwivedi (Principal & Corresponding)	2017	Role of MTHFR 677 C> T Polymorphism on Blood Homocysteine and Susceptibility to Hypertension.	International Journal of Human Genetics	17	118-125
13.	M. K. Dwivedi (Principal & Corresponding)	2017	The Effect of Physical Activity on Blood Homocysteine Concentration.	International Journal of Current Microbiology and Applied Sciences	6(9)	1206-1210

Research Project—

S.No.	Name	Year	Title of the Project	Funding Agency
1	Dr. M. K. Dwivedi (PI)	24 Months (2017-2019)	Evaluation of Carcinogenic Potential of Surface Adsorbed Hazardous Chemicals on Vegetables and Fruits	UGC

				4.10 lacks
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Seminar/Conference/Workshop/Symposia

Name of the Department	Year	Title of the Seminar/Workshop	Funding Agency
DBT, Govt.MSGCollege Rewa (M. P.)	2010	Biological Resources Conservation Management and Sustainable Uses	DBT, CSIR, ICSSR MPCST UGC
VIT University TN (India)	2012	MOLMED-2012	University
DBT, Govt.MSGCollege Rewa (M. P.)	2011	Biological Resources Conservation Management and Sustainable Uses	DBT, CSIR, ICSSR MPCST UGC
School Of Environmental Biology, APSUniversity, Rewa (M. P.)	2012	Role of New Technologies in conservation of Environment	University MPCST
Centre For BioinformaticsDepartment of computer Science, APS University, Rewa (M. P.)	2012	Learning Bioinformatics Tools & Programming Techniques for Teaching & Research Purpose	DBT
Dept. Of Chemistry Science College Bilaspur	2013	Chemistry in Our Lives	CGCST
Dept. Of Chemistry ChaukseCollege of Engineering Bilaspur	2013	Vimarsh	CGCST
Dept. Of Chemistry Science College Bilaspur	2013	Recent Advances in Meteorology Climatology & Environment	CGCST
Dept. Of Bio Chemistry Shankarachary College Bhilai	2014	Integrative Genomics	CGCST
Dept. of Botany Govt. Science College Raipur	2015	Capacity- Building Workshop on Laboratory Techniques & Maintenance.	RUSA
School of Studies in Electronics & Photonics Pt. RavishankarShukla University Raipur, CG	2015	Operation and Maintenance of Laboratory Equipments	UGC Western regional Instrumentation Centre, Mumbai
GovtNagarjuna PG College of Science, Raipur.	2015	Quality Education	RUSA
GovtNagarjuna PG College of Science, Raipur.	2015	Governance, Leadership & Management	RUSA
GovtNagarjuna PG College of Science, Raipur.	2015	Examination Reforms	RUSA
GovtNagarjuna PG College of Science, Raipur.	2015	Strategies development and Deployment to achieve access, equity and excellence in Higher Education System	RUSA

GovtNagarjuna PG College of Science, Raipur.	2015	Carrier Guidance	RUSA
Parthivi College of Engineering and Management, Sirsakala Bhilai-3	2015	Utilization of Non- Conventional Energy Sources For Sustainable Development of Rural Areas	CG COST, Indian Institute of Industrial Engineering And The Institution of Engineering India
Dept. Of Biotechnology GGU Central University Bilaspur	2018	National Workshop on Animal Cell Culture Techniques & Applications.	DBT, CGCST
Chemistry Department (Pt. Ravishankar University Raipur)	2015		Chemistry Department (Pt. Ravishankar University Raipur)and Royal Society of Chemistry

10. Teaching Learning methods adopted by the department list the method----

1. Chalk and Board.

11. Achievements of students

- a. Students selected in all India entrance Exam for Central universities—

Year	No. of Selectionin all India entrance Exam for Central universities	No. of selection in State University Entrance Exams	
2013-14	NIL	03	Achieved first Position
2014-15	04 (DAVV)	05	
2015-16	05 (DAVV)	03	Achieved first Position
2016-17	NIL	02	Achieved first Position
2017-18	01	01	

- Ayushisingh is state level first rank holder in M-Cat Examination Organized by CHIPS CG govt.

- NidhiDevangan B. Sc.II year Student participating interuniversity level championship (national level) in squash.
- b. Students selected in Subject related job/Fellowship----

Name	Job	Institution	Year	
PushpanjaliRao	DST Fellowship	IISER Bhopal	2017	After M. Sc.
Laxmipriya	CSIR –JRF Fellowship	NCCS Pune	2018	After M. Sc.
HariomKannoje	Rajiv Gandhi fellowship	SIIMS Bilaspur	2017	After M. Sc.
Jharna	Junior Analyst	BioconBengluru	2018	During M. Sc.

12. **Achievement of Teacher**

Academic achievement----

- a. Ph. Awarded--- July 2013
- b. Orientation course---- June 2014
- c. Refresher Course--- 2016
- d. Ph. D. Guide registration ----- 2018

Extension Achievement---

- a. Hostel warden--- since 2014
- b. Beast SVEEP Nodal officer in CG----- 2017

Research Achievement----

- a. Published Research Papers in Journals (as notified by the UGC): 12
- b. Full Papers in Conference Proceedings- 03
- c. Resource Person in Workshop/ Seminar/Symposia- 02
- d. Invited Lectures in other University --- 14

Training

Orientation Course –01
Refresher Course- 01

13. Research Scholar enrolled/Ph. D. Awarded---- NIL**14. Board of studies meeting.**

Year	Date of meeting	Resolution passed	Remark
2013-14	13/3/13	1. Approval of UG Syllabus 2. Proposal approved and agrees to proceed further for opening PG Course.	
2014-15	14/12/14Do-----	
2015-16	23/9/15Do-----	
2016-17	5/11/17Do-----	
2017-18	23/1/18	Approval of PG And UG Syllabus	

15. Selection of students for admission-

Year	Total Application received		Admission given to the candidate of minimum% on merit	
	UG	PG	UG	PG
2013-14		NIL		NIL
2014-15		NIL		NIL
2015-16		NIL		NIL
2016-17		NIL		NIL
2017-18		NIL		NIL

16. Selection of Contract appointment of teachers

Year	No. of post vacant	Application received	Invitation given to the candidate on merit
2013-14	1	03	Shri Kamal nayan Mishra
2014-15	1	06	Ku. Shilpi Sharma
2015-16	1	07	Ku. Srishti Sharma
2016-17	1	04	Ku. Srishti Sharma
2017-18	1	03	Dr. Achala Jain

17. Extension Activity done by the department –

Year	Name of extension Activity	Target group	Fund Received
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			from
2013-14	None		
2014-15	None		
2015-16	None		
2016-17	None		
2017-18	None		

18. List of facilities Available in the department

Year	Recreation facility Developed	Funds Received from
2013-14	NIL	NIL
2014-15	Departmental Library	Self Supporting system
2015-16	Spectrophotometer, Multifunctional Photocopy Machine	Self Supporting System
2016-17	PG Course Started + 1 Additional Lab (PG)	Self Supporting System
2017-18	Research Lab	UGC (MRP)

19. Innovative reforms of the Department

Year	Innovative Reforms taken	Target Group	Impact of Reform
2013-14	None		
2014-15	None		
2015-16	None		
2016-17	None		
2017-18	None		

20. Achievements of the Department

SN.	Items	Status Before Autonomy	Status at present
1.	UG Intake	72 (24 seats per year)	72
2.	PG Intake	NIL	10 seats per year
3.	UG Programs	01	01
4.	PG Programs	NIL	01
5.	M. Phil/ Ph. D.	NIL	Faculty recognized as a Guide from affiliated University
6.	Research Publication	7	18
7.	Research Project	NIL	01
8.	Organizing Seminar/ Conference	NIL	NIL
9.	Attending Seminar/ Conference	05	12

10.	Extension Activity	NIL	NIL
11.	Consultancy	NIL	NIL
12.	Faculty	02	03
13.	Faculty With Ph. D./ NET/SET	01	03
14.	Infrastructure	One Lab	Two Labs
15.	Library	NIL	01
16.	Result Analysis	-	Passing % increased after year 2012.

Passing %

	B. Sc. I	B. Sc. II	B. Sc. III
2014	82.60%	71.42%	100
2015	86.36%	100%	100%
2016	100%	94%	94%
2017	95.65%	95%	100%
2018	92.85%	100%	100%

17.	Placement	NIL	NIL (Direct Placement)
18.	Any Other	NIL	

Departmental Profile

1. Name of the Department- **Biotechnology**

2. Year of Establishment – **June 2013**

3. Infrastructure-

(a) Class Rooms available – Numbers and Covered area in Sqft. - **02**

(b) Laboratories – Numbers and Covered area in Sqft. - **01**

(c) List of Equipments lab wise-

S.No.	Name of Apparatus
1.	Autoclave
2.	Laminar air flow
3.	Tissue Culture Laminar air flow
4.	BOD Incubator
5.	Centrifuge
6.	Computer
7.	Compound Research Microscope
8.	Water Bath
9.	Electrophoresis Chamber Horizontal
10.	Electronic balance
11.	Deep Freezer (-20°C)
12.	LCD Projector
13.	pH meter
14.	Colorimeter
15.	Hot air oven
16.	Spectrophotometer
17.	Bacteriological Incubator
18.	Cooling Centrifuge
19.	Hot air oven

(d) Details of Departmental Library

Year	Books Purchased	Journal		CD's	e resources Subscribed	e journal Subscribed	Thesis
		National	International				
2013-14	Transfer from library, UG biotechnology dept and zoology dept- 90+25+133	Nil	Nil	Nil	Nil	Nil	
2014-15	30						
2015-16	-						
2016-17	-						
2017-18	47						

4. Courses offered-

Year	Courses	Intake			Actual enrollment			New courses offered
		UG	PG	Ph. D	UG	PG	Ph. D	
								Nil
2013-14	B.Sc, M.Sc	60	15	-	60	15	-	Nil
2014-15	B.Sc, M.Sc	60	15	-	60	15	-	Nil
2015-16	B.Sc, M.Sc	60	15	-	60	13	-	Nil
2016-17	B.Sc, M.Sc	60	15	-	60	13	-	Nil
2017-18	B.Sc, M.Sc	60	15	-	60	14	-	Nil

5. Faculty Strength

No. of Teachers Available	Year				
	2013-14	2014-15	2015-16	2016-17	2017-18
Professors	Nil	Nil	Nil	Nil	Nil
Asstt. Professors	01	01	02	02	02
Regular	01	01	02	02	02
Adhoc	Nil	Nil	Nil	Nil	Nil
Contractual	02	02	Nil	Nil	Nil
Guest faculty	01	01	01	01	01
Visiting Faculty	Nil	Nil	Nil	Nil	Nil

(Enclosed Annexure I)

6. Sanctioned , working strength and Vacant position (Faculty)

Category	Sanctioned			Working			Vacant			Grant total
	Prof.	Asstt. Prof.	Total	Prof.	Asstt. Prof.	Total	Prof.	Asstt. Prof.	Total	
Regular	01	02	03	Nil	02	02	01	Nil	01	03
Contract basis	Nil	Nil	Nil	Nil	01	Nil	Nil	Nil	01	01

7. Qualification of Faculty

Category	No. of Ph.D.	No. Of M. Phil	Other	Total
Regular	01	01	CSIR-NET(JRF)- 02	02
Contract basis	01		01	01

8. Non Teaching Staff-

- (i) Sanctioned- **02**
- (ii) Working – **02** **(Enclosed Annexure II)**
- (iii)** Vacant – **Nil**

9. Research Profile

Year	Research Publication	Research projects	Seminar/conference/ workshop/ synopsis	Other research and consultancy related activity
2013-14	02	Nil	01	1. Dr. Sanjana Bhagat - guided 03 M.Sc Dissertation Work
2014-15		Nil	11	Nil
2015-16	01	Nil	09	1. Dr. Sanjana Bhagat -guided 03 M.Sc Dissertation Work
2016-17	01	Nil	14	Nil
2017-18	02	Nil	06	1. Dr. Sanjana Bhagat- guided 05 M.Sc Dissertation Work 2. Mrs. Deepali Rajwade -guided 07 M.Sc Dissertation Work

(Enclosed Annexure III and IV)

Research project: **Nil**

S.No.	Name	Year	Title of the project	Funding agency
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Seminar/ Conference/ Workshop/ Symposia: **Nil**

Name of the Department	Year	Title of the Seminar/ Workshop	Funding agency

10. Teaching learning methods adopted by the department List the methods.

In addition to the black board method of teaching, the following methods are also used

1. **Power point Presentation**
2. **seminar**
3. **Class test**
4. **Group Discussion**
5. **Demonstration**

11. Achievements of students (Provide details separately)

Year	Examination	Co curricular activities	Extracurricular activities
2013-14	B.Sc.I-75% B.Sc.II-97.62% B.Sc.III-100% M.Sc.IV-100%	1. Parul Siyar (2012-13)- Manager in Bank of Baroda, Pune	1. B. Sc. III year biotechnology students have visited Devleela biotech lab, Raipur on the date 15 January 2013.
2014-15	B.Sc.I-92.98% B.Sc.II-93.75% B.Sc.III-100% M.Sc.IV-100%	1. Yogita Thakur -presented poster in national seminar on Recent trends in the thrust areas of life science at Shri Guru Tegh Bahadur Khalsa College, Jabalpur, Jan 10-11, 2015	Nil
2015-16	B.Sc.I-94.44% B.Sc.II-100% B.Sc.III-100% M.Sc.IV-100%	1. Mr Santosh Bhaskar - Sales Manager in Kasliwal Brother's Raipur 2. Lakheshwar thaiwat - Working in fertilizer company, Raipur 3. Apoorva Joshi, ankita Sinha, Neetu kerkatta, Upendra singh mahobia got consolation prize in model on "Make in India: Science & technology driven innovation" 4. Apoorva Joshi - Third prize in science poster 5. Dikeshwari Sahu - Participated in science poster 6. Santosh Bhaskar & Dikeshwari Sahu Participated in "Make in India: Science & technology driven innovation"	Nil

2016-17	B.Sc.I- 94.44% B.Sc.II- 100% B.Sc.III- 100% M.Sc.IV-100%	1. Alpana rani xalxo- qualify CSIR-UGC(LS) exam June 2017 7. Damyanti Thakur- Participated in Science model exhibition on 27 and 27 feb 2017 science day celebration 8. Dristi verma- First prize in science poster in on 27 and 27 feb 2017 science day celebration 9. Dristi verma, Vibhashree gupta second prize in science model in 27 and 27 feb 2017 science day celebration 10. Shruti Vyas- second prize in on elocution in 27 and 27 feb 2017 science day celebration	1. One day Technical Seminar at Department of Biotechnology for students, lab technician and lab attendant given by Mr. Suvojit Dutta, Area Sales Manager, Borosil Glass Works Limited, Date 24/07/2017
2017-18	B.Sc.I-94.44% B.Sc.II-92.57% B.Sc.III-100% M.Sc.IV-92.0%	1. Gajendri qualify CG SET 2017 11. Afreen anjum, Damyanti Thakur, Aarti, Shivani soni, Aaisha- Third prize in science poster in model on silver nanoparticle 27-28 feb 2018 on science day celebration	1. Total 40 students of B. Sc. II and III year have visited different laboratories of IGKV, Raipur, Chhattisgarh on 5 th December 2017.

(Enclosed Annexure V)

12. Achievements of Teacher.

Year	Achievement of Teachers	Enclose Details Separately
2013-14	Nil	
2014-15	Nil	
2015-16	1. Dr. Sanjana Bhagat- PhD awarded in Biotechnology in the year 2016 from Bilaspur University, Bilaspur	Enclosed Annexure VI
2016-17	1. Dr. Sanjana Bhagat -2 nd Prize in oral paper presentation on “Fetal haemoglobin and β -globin gene cluster haplotypes among sickle cell patients in Chhattisgarh” National CME on “ Stem cell & its application ” organized by Department of Anatomy, RIMS, Raipur, April 12, 2017	Enclosed Annexure VII

2017-18	1. Mrs. Deepali Rajwade -National Symposium 25.7.17 2 nd Prize in Poster presentation 2. Mrs. Deepali Rajwade -2 nd Prize in Poster presentation in National Seminar 30.11.17 & 01.12.17	Enclosed Annexure VIII and IX
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13. Research scholars enrolled/ Ph. D. Awarded

Year	Name of Supervisor	Research Scholars enrolled	Research completed & Ph.D. awarded
2013-14	Nil	Nil	Nil
2014-15	Nil	Nil	Nil
2015-16	Nil	Nil	Nil
2016-17	Nil	Nil	Nil
2017-18	Nil	Nil	Nil

Annexure enlist separately

Name of Supervisor	Title of the Research	Year of Registration	Year of Completion/ Ph.D. awarded
Nil	Nil	Nil	Nil

14. Board of studies Meeting-

Year	Date of meeting	Resolution passed	Remarks
2013-14	19/2/13, 30/10/13	Approved Syllabus	
2014-15	17/07/2015	Approved B.Sc. & M. Sc syllabus	
2015-16	26/04/2016	Approved question paper patterns and distribution of marks for B. Sc	
2016-17	06/05/2017	Changes in question paper pattern for M.Sc.	
2017-18	21/04/2018	Approved B.Sc. & M. Sc syllabus	

15. Selection of students for admission-

Year	Total application received	Admission given to candidate of minimum % on merit
2013-14		UG- 60, PG-15
2014-15		UG-57, PG-15
2015-16		UG-54, PG-13
2016-17		UG-54, PG-13
2017-18		UG-55, PG-14

16. Selection of contract appointment of teachers

Year	No. of Posts vacant	Application received	Appointment given to candidate on merit
2013-14	02	30	03
2014-15	01	33	01
2015-16	01	11	01
2016-17	01	08	01
2017-18	01	20	01

17. Extension activities done by the Department-

Year	Name of extension activity	Target group	Funds received from
2013-14	Nil	Nil	Nil
2014-15	Nil	Nil	Nil
2015-16	NIL	Nil	Nil
2016-17	NIL	Nil	Nil
2017-18	Total 20 students of B. Sc II and B. Sc III year were participated in science awareness program at Saraswati Sishu Mandir girls school,DDU Nagar, Raipur. Date-14/11/2018	B. Sc II and B. Sc III	Nil

(Enclosed Annexure X)

18. Facilities of recreation activities-

List of facilities available with the Department

Year	Recreation facilities developed	Funds received from
2013-14	Nil	Nil
2014-15	Nil	Nil
2015-16	Nil	Nil
2016-17	Nil	Nil
2017-18	Nil	Nil

19. Innovative reforms of the Department-

List of innovative practices under way in the department

Year	Innovative reforms taken	Target group	Impact of reform
2013-14			
2014-15			
2015-16			
2016-17			
2017-18			

20. Achievements of the Department-

S. No.	Items	Status before autonomy	Status at present
1	UG intake	60	60
2	PG intake	15	15
3	UG Programmes	B.Sc.	B.Sc.
4	PG Programmes	M. Sc	M. Sc
5	M.Phil/ Ph.D.	Nil	Nil
6	Research publication	12	12
7	Research projects	Nil	Nil
8	Organizing seminar/ Conferences	Nil	Nil
9	Attending seminar/ conference		
10	Extension activities	01	01
11	Consultancy	Nil	Nil
12	Faculty	02 Regular + 01 Guest faculty	02 Regular + 01 Guest faculty
13	Faculty with Ph.D.	02	02
14	Infrastructure	Class Rooms-02, Lab-01	Class Rooms-02, Lab-01
15	Library	325 books in the department	325 books in the department
16	Result analysis	Enclosed Annexure XI	Enclosed Annexure XI
17	Placement	-	-
18	Any other	-	-

Annexure I
List of Faculty

Name	Designation	Qualification	Pay	Total experiences	No. of years in the college
Dr. Sanjana Bhagat	Assistant Professor	M. Sc, M. Phil, PhD in Biotechnology, CSIR-NET(JRF)	15600-39100+6000/- AGP	06 Years	06 Years
Mrs. Deepali Rajwade	Assistant Professor	M.Sc in Biotechnology CSIR-NET(JRF)	15600-39100+6000/- AGP	04 Years	04 Years
Dr. Alka	Guest Faculty	M.Sc, PhD in Biotechnology, CSIR-NET(LS)	-	Nil	Aug 2018- Till date

Annexure II
List of Non Teaching Staff

S.No	Name	Post
1.	Mr. Vijay Dhruw	Lab technician
2.	Mrs. Anita Gendre	Lab Attendant

Annexure III

Details of Research profile of Dr Sanjana Bhagat

1. Research Publication:

S. No.	Author Name	Year	Title	Name of Journal	Vol.	Page No.
1.	Sanjana Bhagat, PK	2013	Fetal haemoglobin and β -globin gene cluster haplotype	J Clin Diagn Res	7 (2)	269-272

	Patra, AS Thakur		among sickle cell patients in Chhattisgarh			
2.	Sanjana Bhagat, Lakheshwar Thawait	2018	Bioremediation of lead by lead resistant bacterial isolates isolated from contaminated soils of Chhattisgarh	Research J. of Pharmacy & technology	11(10)	4456-2559
3.	Sanjana Bhagat, AS Thakur	2018	Influence of β -Globin haplotypes on oxidative stress, antioxidant capacity and inflammation in sickle cell patients of Chhattisgarh	Ind J Clin Biochem		http://doi.org/10.1007/s12291-017-0729-3

2. Detail of Seminar/ Conference/ Wokshop:

Year	Seminar/conference/Workshop/ synopsis	Other Research
2013-14	1. Participated in Orientation Program from 01.07.2013 to 28.07.2013	Guided 03 M.Sc dissertation work1. 1.Niharika Sahu 2.Ritu Sai 3.Sneha Kulbhaje
2014-15	1. Short term course (7days) on “ Research methodology ” organized by ASC, Pt. Ravishankar Shukla University, Raipur (C.G) held from November 13-19, 2014. 2. Five one day RUSA sponsored Workshops on “ Quality education, Governance, leadership & Management, Examination reforms, Strategies development and excellence in higher system, Career guidance ” at Govt. N.P.G Science College, Raipur from June 23-2, 2015.	
2015-16	1. Participated in National Seminar on “ Conservation of Plant Diversity: Global Issues ” at Dr. Radhabai Govt. Naveen Kanya Mahavidyalaya, Raipur, August 07, 2015. 2. National Seminar on “ Innovations& Prospects in Biotechnology ” organized by Department of Biotechnology, Pt. RSU, Raipur, January 02-04, 2016 3. National Conference on “ Prospects in Life Sciences: Paradigm Shift in Teaching and Research in Zoological Sciences ”, organized by Department of Zoology, Govt. Nagarjuna P.G. College of Science, Raipur, March 02-03, 2016 4. Invited lecture delivered on Molecular analysis of sickle cell disease by PCR-RFLP method. CME on “Recent advances in medical sciences”, Department of Biochemistry, Govt. Medical College, Jagdalpur(C.G), November 21, 2015. 5. Invited lecture delivered on Laboratory instruments and its uses. Capacity-building workshop on “laboratory techniques & maintenance” organized by Govt. N. P.G. College of Science, Raipur, November 18-20, 2015. 6. Participated in refresher course in “Life Science” from 01.07.2013	Guided 03 M.Sc dissertation work 1.Santosh Bhaskar 2.Lakheswar 3.Digeshwari

	to 28.07. 2013 at HRDC, Ranchi University, Ranchi.	
2016-17	<ol style="list-style-type: none"> 1. 3rd National workshop (7days) on “Trends and techniques in chronobiology” organized by school of life science, Pt. RSU, Raipur held from March 21-27, 2017 2. Five One Day RUSA sponsored Workshops on “Higher education and improvement quality of higher education, Examination reforms, CBCS system, collection of data and analysis” at Govt. N. P. G Science College, Raipur from June 20, 22-24, 2017 3. Presented oral paper on “Fetal haemoglobin and β-globin gene cluster haplotypes among sickle cell patients in Chhattisgarh” National CME on “Stem cell & its application” organized by Department of Anatomy, RIMS, Raipur, April 12, 2017 	
2017-18	<ol style="list-style-type: none"> 1. Participated in National Conference on “Current Development of Environmental Sciences in Chhattisgarh State” at Bhilai Mahila Mahavidyalaya, Bhilai, November 30- 01 December, 2017 7. Participated in refresher course in “Food and Biotechnology” from 31.01.2018 to 20.02. 2018 at HRDC, Ranchi University, Ranchi. 	Guided 05 M.Sc dissertation work 1. Afreen Anjum 2. Shruti vyas 3. Poornima 4. Gajendri 5. Amit Hota

Annexure IV

Details of Research profile of Mrs. Deepali Rajwade

1. Research Publication:

S.No.	Name	Year	Title	Name of Journal	Volume	Page no.
1.	Deepali Rajwade & P.K.Saluja	2014	Microbial metabolism of oil sludge: Isolation & Characterization of Chrysene degrading bacteria	Indian J. Applied & Pure Bio	29	185-194
2.	Deepali Rajwade, K.K.Patel	2016	Detection of resistance pattern, extended spectrum Beta lactamase producing clinical isolates of <i>E.coli</i> & <i>K.pneumoniae</i>	Int. Journal of Applied Research	02	523-525
3.	Deepali Rajwade & Sadhana Jaiswal	2017	A Review on Portulaca oleraces (Nonia bhaji): A wonderful weed of Chattisgarh.”	Research J. of Pharmacy & technology	10	2415-2420

2. Detail of Seminar/ Conference/ Wokshop:

Year	Research Publication	Research Projects	Seminar/Conference/Workshop	Other Research & Consultancy related activity
2013-14	Nil	Nil	Nil	Nil
2014-15	1		1. Five one day workshops from 23.6.15 to 27.6.15	
2015-16			1. National Symposium 25.7.17 2. Seven days Hands on workshop 26.7.15 to 01.08.15. 3. National Seminar 07.08.15	
2016-17			1. Orientation Program 7.1.17 to 3.2.17 2. Poster presentation National Seminar 27.1.17 & 28.01.17 3. Five One Day Workshops 20.6.17 to 27.6.17	
2017-18			1. National Symposium 25.7.17 2 nd Prize in Poster presentation 2. Seven days Hands on Workshop 26.7.17 to 01.08.17 3. Disaster Awareness Training at 09.12.17 4. 2 nd Prize in Poster presentation in National Seminar 30.11.17 & 01.12.17	Guided 7 M.Sc. students for dissertation (1.1.18-30.4.18)

Annexure V

Detail of Student Achievements

Year	Examination	Co curricular activities	Extracurricular activities
2013-14	B.Sc.I- 75% B.Sc.II- 97.62% B.Sc.III- 100% M.Sc.IV- 100%	2. Parul Siyar (2012-13)- Manager in Bank of Baroda, Pune	1. B. Sc. III year biotechnology students have visited Devleela biotech lab, Raipur on the date 15 January 2013.
2014-15	B.Sc.I- 92.98% B.Sc.II- 93.75% B.Sc.III- 100% M.Sc.IV-100%	2. Yogita Thakur -presented poster in national seminar on Recent trends in the thrust areas of life science at shri guru tegh bahadur khalsa college, Jabalpur, Jan 10-11, 2015	Nil
2015-16	B.Sc.I- 94.44% B.Sc.II- 100% B.Sc.III-100% M.Sc.IV-100%	12. Mr Santosh Bhaskar - Sales Manager in Kasliwal Brother's Raipur 13. Lakheshwar thaiwat - Working in fertilizer company, Raipur	Nil

		<p>14. Apoorva Joshi, ankita Sinha, Neetu kerkatta, Upendra singh mahobia got consolation prize in model on “Make in India:Science & technology driven innovation”</p> <p>15. Apoorva Joshi- Third prize in science poster</p> <p>16. Dikeshwari Sahu- Participated in science poster</p> <p>17. Santosh Bhaskar & Dikeshwari Sahu Participated in “Make in India:Science & technology driven innovation”</p>	
2016-17	<p>B.Sc.I- 94.44%</p> <p>B.Sc.II- 100%</p> <p>B.Sc.III- 100%</p> <p>M.Sc.IV-100%</p>	<p>2. Alpana rani xalxo- qualify CSIR-UGC(LS) exam June 2017</p> <p>18. Damyanti Thakur- Participated in Science model exhibition on 27 and 27 feb 2017 science day celebration</p> <p>19. Dristi verma- First prize in science poster in on 27 and 27 feb 2017 science day celebration</p> <p>20. Dristi verma, Vibhashree gupta second prize in science model in 27 and 27 feb 2017 science day celebration</p> <p>21. Shruti Vyas- second prize in on elocution in 27 and 27 feb 2017 science day celebration</p>	<p>1. One day Technical Seminar at Department of Biotechnology for students, lab technician and lab attendant given by Mr. Suvojit Dutta, Area Sales Manager, Borosil Glass Works Limited, Date 24/07/2017</p>
2017-18	<p>B.Sc.I-94.44%</p> <p>B.Sc.II-92.57%</p> <p>B.Sc.III-100%</p> <p>M.Sc.IV-92.0%</p>	<p>2. Gajendri qualify CG SET 2017</p> <p>22. Afreen anjum, Damyanti Thakur, Aarti, Shivani soni, Aaisha- Third prize in science poster in model on silver nanoparticle 27-28 feb 2018 on science day celebration</p>	<p>1. Total 40 students of B. Sc. II and III year have visited different laboratories of IGKV, Raipur, Chhattisgarh on 5th December 2017.</p>

Annexure VI

Detail of Extension Activities

2018-2019- (Extention activity)- Total 20 students of B. Sc II and B. Sc III year were participated in science awareness program at Saraswati Sishu Mandir girls school, DDU Nagar, Raipur. Date-14/11/2018





Annexure VI

Result Analysis

Year	Class	Appeared	Pass	Pass%
2013-14	B.Sc. I	60	45	75%
	B.Sc. II	42	41	97.62%
	B.Sc. III	28	28	100%
	M.Sc IV	15	15	100%
2014-15	B.Sc. I	57	53	92.98%
	B.Sc. II	48	45	93.75%
	B.Sc. III	38	38	100%
	M.Sc IV	15	15	100%
2015-16	B.Sc. I	54	51	94.44%
	B.Sc. II	48	48	100%
	B.Sc. III	46	46	100%
	M.Sc IV	13	13	100%
2016-17	B.Sc. I	53	51	94.44%
	B.Sc. II	51	47	92.15%
	B.Sc. III	41	41	100%
	M.Sc IV	13	12	92.0%
2017-18	B.Sc. I	55	54	98%
	B.Sc. II	52	52	100%
	B.Sc. III	45	45	100%
	M.Sc IV	14	13	92.85%

Departmental Profile

1. Name of the Department- **BOTANY**
2. Year of Establishment – 1948
3. Infrastructure-
 - (a) Class Rooms available Numbers and Covered area in Sqft.
 - (b) Laboratories – Numbers and Covered area in Sqft. –
 - (c)

	No.	Size
--	-----	------

Head cum Office Room	: 01	20x30 Feet
a. UG Lab	: 01	60x35
b. PG Lab	: 02	20x35 each
c. Research Lab	: 01	35 x 30
d. Museum	: 01	40x35
e. Green House	: 01	20x30
f. Botanical Garden	: 01	
g. Store	01	20x 35
h. Staff Room	01	20x30
i. Lecture Hall /Remedial class room	: 01	40x30
j. Tissue culture Lab	: 01	20x30
k. Departmental Library and computer section	: 01	20x30
l. Lab for plant pathology	: 01	40x35

U.G LAB, -. Size: 60” x 35” 2.Capacity: 50 students/class.

P.G. LABS , - M.Sc.I &II - 20”x35’– capacity: 25 students

M.Sc. III & IV - 20”x35’– capacity: 25 students

RESEARCH LAB - 35” x 33” Capacity: 20 students

Tissue culture Lab –

Molecular Pathology Lab.-40” x 35”

Staff Room – 20” x30”

Library cum Seminar Hall -40” x30”

(c)List of Equipments lab wise

M. Sc. I and II semester Lab. N0.5

Name of Equipments

1. Hot air oven
2. Incubator
3. Ultra centrifuge
4. Clinical centrifuge
5. Microscope.

M.Sc. III and IV semester Lab (Total Equipments) - N0. 8

Name of Equipments

- 1.Hot air oven
2. Incubators
3. Ultra centrifuge
4. Laminar air flow
5. Deep fridge
- 6.Double distilled water unit
7. Electrophoresis unit
8. Microscope

Plant pathology and limnology Lab- Total Equipment- N0.7

Name of Equipment

1.Laminar air flow, PH Meter, Cenrtfuge Machine, Turbidity Meter, Air Sampler, Colony counter, Magnetic stirrer.

Research Lab- Total Equipments – 36

Name of Equipments

1. Deep fridge
2. Incubator
3. Ultra centrifuge
4. Spectrophotometer
5. pH meter
6. Turbidity meter .
7. Water analysis kit
8. Leaf area meter
10. Trans illuminator
11. Air sampler

12. Colony counter
13. Magnetic stirrer
14. Research Microscope

15. Concuctivity meter
16. Soil analysis Kit
17. Digital Balance
18. Chemical Balance
19. Gel Electrophoresis- Vertical
Horizantal electrophoresis

20. Flame Photometer
21. Research Microscope
22. Ultra Centrifuge
23. Bench Top Centrifuge
24. Laboratory Centrifuge
25. Digital conductivity
26. Microprocessor Spectrophotometer
27. Hot air Oven
28. Electronic Digital balance
29. Water bath
30. Autoclave
31. Double Pan balance
32. Plankton Centrifuge
33. Digital Nahalometer
35. Hot Plate rectangular
36. Digital Conductivity Meter.

(d) Details of Departmental Library

Year	Books Purchased	Journals		CD's	e resources Subscribed	e journal Subscribed	Thesis
		National	International				
2013-14	Nil	Purchased –Nil,available 22	Purchased- Nil, available-2	Nil	Nil	Nil	Nil
2014-15	Nil	Purchased –Nil,available 22	Purchased- Nil, available-2	Nil	Nil	Nil	Nil
2015-16	17	Purchased –Nil,available 22	Purchased- Nil, available-2	Nil	Nil	Nil	Nil
2016-17	Nil	Purchased –Nil,available 22	Purchased- Nil, available-2	Nil	Nil	Nil	Nil
2017-18	78	Purchased –Nil,available 22	Purchased- Nil, available-2	Nil	Nil	Nil	Nil

4. Courses offered-

Year	Courses in Botany	Intake			Actual enrollment			New courses offered
		UG Maths and bio group(1,2,3)	PG MSc Botany	Ph. D	UG	PG MSc Previous	Ph. D	
2013-14	B.Sc, M.Sc.,Ph.D	2400	50	30	1804	25	08	
2014-15	B.Sc, M.Sc.,Ph.D	2400	50	30	1945	25	08	
2015-16	B.Sc, M.Sc.,Ph.D	2400	50	30	2131	25	23	
2016-17	B.Sc, M.Sc.,Ph.D	2400	50	30	2015	25	10	M.Sc. – Elective paper-

								Limnology
2017-18	B.Sc, M.Sc.,Ph.D	2400	50	30	2179	25	08	

5. Faculty Strength

No. of Teachers Available	Year				
	2013-14	2014-15	2015-16	2016-17	2017-18
Professors	Promoted Professors - 03	Promoted Professors - 03	Promoted Professors - 03	Promoted Professors - 03	Promoted Professors - 03
Asstt. Professors	05	05	05	05	05
Regular	08	08	08	08	08
Adhoc	Nil	Nil	Nil	Nil	Nil
Contractual	Nil	Nil	Nil	Nil	Nil
Guest faculty	Nil	Nil	Nil	Nil	01
Visiting Faculty	Nil	Nil	Nil	Nil	Nil

6. Sanctioned , working strength and Vacant position (Faculty 2013-18)

Category	Sanctioned			Working			Vacant			Grant total
	Prof.	Asstt. Prof.	Total	Prof.	Asstt. Prof.	Total	Prof.	Asstt. Prof.	Total	
Regular	01	08	09	Nil	Promoted professor 03 Assistant Prof. - 05	08	01	Nil	09	09
Contract basis	Nil				Nil			Nil		

Annexure
2013-2018

Annexure 3C(c)List of Equipments lab wise

M. Sc. I and II semester Lab. N0.5

Name of Equipments

- | | |
|----------------------------|-------------------------------|
| 1. Hot air oven | 2. Incubator |
| 3. Ultra centrifuge | 4. Clinical centrifuge |
| 5. Microscope. | |

M.Sc. III and IV semester Lab (Total Equipmens) - N0. 8

Name of Equipments

- | | |
|--|--------------------------------------|
| 1.Hot air oven | 2. Incubators |
| 3. Ultra centrifuge | 4. Laminar air flow |
| 5. Deep fridge | 6.Double distilled water unit |
| 7. Electrophoresis unit 8. Microscope | |

Plant pathology and limnology Lab- Total Equipment- N0.7

Name of Equipment

1.Laminar air flow, PH Meter, Cenrtfuge Machine, Turbidity Meter, Air Sampler, Colony counter, Magnetic stirrer.

Research Lab- Total Equipments – 36

Name of Equipments

1. Deep fridge
2. Incubator
3. Ultra centrifuge
4. Spectrophotometer
5. pH meter
6. Turbidity meter .

7. Water analysis kit
8. Leaf area meter
10. Trans illuminator
11. Air sampler
12. Colony counter
13. Magnetic stirrer
14. Research Microscope

15. Concuctivity meter
16. Soil analysis Kit
17. Digital Balance
18. Chemical Balance
19. Gel Electrophoresis- Vertical
Horizantal electrophoresis

20. Flame Photometer
21. Research Microscope
22. Ultra Centrifuge
23. Bench Top Centrifuge
24. Laboratory Centrifuge
25. Digital conductivity
26. Microprocessor Spectrophotometer
27. Hot air Oven
28. Electronic Digital balance
29. Water bath
30. Autoclave
31. Double Pan balance

32. Plankton Centrifuge

33. Digital Nahalometer

35. Hot Plate rectangular

36. Digital Conductivity Meter.

Annexure 3D

Details of departmental Library – List of Books transferred from main library in 2015-16(Hard copy attached)

1. List of 78 books transferred from main library in 2017-18. (Hard copy attached)

Enclosure(I) 2 -

Annexure 5 (2013-18)

List of Faculty

Name	Designation	Qualification	Pay	Total experiences	No. of years in the college
Dr. . Rekha Pimpalgaonkar Promoted Professor	Promoted Professor and Head	M.Sc. Ph .D		34 years 5 months	22 years
Dr. V.Kohli Promoted Professor	Assistant Professor	M.Sc. Ph.D		34 years 2 months	20years
Dr. R. Diwan Promoted Professor	Assistant Professor	M.Sc. Ph.D FBS		33 years 7 months	31 years
Dr.A.K. Sharma Asstt. Professor	Assistant Professor	M.Sc. Ph.D		35 years	24 years
Dr. Sangeeta Bajpai Asstt. Professor	Assistant Professor	M.Sc., M.Phil., Ph.D		29 years 3 months	25 years
Dr. N.B. Singh Asstt. Professor	Assistant Professor	M.Sc, Ph.D GATE		25 years 3 months	16 years
Dr. V.K. Kanungo Asstt. Professor	Assistant Professor	M.Sc, Ph.D,		31 years	29 years
Dr. Suneeta	Assistant	M.Sc., M.Phil.,		29 years 2 months	12 years

Patra Asstt. Professor	Professor	Ph.D, FBS NET		months	
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7. Qualification of Faculty

Category	No. of Ph.D.	No. Of M. Phil	Other	Total
Regular	08	02	GATE- 01,CSIR NET-01 Diploma in sericulture- 01 Diploma in French-01 FBS (Fellow botanical society) -02	
Contract basis				

8. Non Teaching Staff-

- (i) Sanctioned- Lab technician -03, Lab attendant – 03 Peon -02, Gardener/workshop collie- 02
- (ii) Working – List to be provided in Annexure
- (iii) Vacant - Lab technician -01, Lab attendant – 01

S. N.	Session	Lab technician		Lab attendant		Peon			Workshop collie/Gardener
		Sanctioned	Working	Sanctioned	Working	Sanctioned	Working	Sanctioned	Working
1.	2013-2014	03	02- 1. Shri. L. K. Sharma 2. Shri B. R. Sahu	03	02- 1.Dhanushdhar 2.Bhuprakash	02	01 Shri Sunderlal Yadav	06	02- 1 Shri. Trilochan 2.Shri. Krishnarao
2	2014-2015	03	02 1. Shri. L. K. Sharma 2. Shri B. R. Sahu	03	02 1.Dhanushdhar 2.Bhuprakash	02	01 Shri Sunderlal Yadav	06	02 1 Shri. Trilochan 2.Shri. Krishnarao
3	2015-	03	02	03	02	02	01	06	02

	2016		1. Shri. L. K. Sharma 2. Shri B. R. Sahu		1.Bhup rakash 2. Roop narayan Rajput		Shri Pekura m		1 Shri. Trilochan 2.Shri. Krishnarao
4	2016- 2017	03	01 1. Shri B. R. Sahu	03	02 1.Bhup rakash 2. Roop narayan Rajput	02	01 Shri Pekura m	06	02 1 Shri. Trilochan 2.Shri. Krishnarao
5	2017- 2018	03	02 1.Shri B. R. Sahu 2. Shri Mukesh Tiwari	03	02 1.Bhup rakash 2.Smt. Dhanes hwari	02	01 Shri Manhar an Sahu	06	02 1 Shri. Trilochan 2.Shri. Krishnarao
6	2018- 2019	03	02 1.Shri B. R. Sahu 2. Shri Mukesh Tiwari	03	02 1.Bhup rakash 2. Smt. Dhanes hwari	02	01 1.Shri Manhar an Sahu 2.Mahes h Yadav	06	02 1 Shri. Trilochan 2.Shri. Krishnarao

9. Research Profile

Year	Research Publication	Research projects	Seminar/conference/workshop/ synopsis	Other research and consultancy related activity-
2013-14	17	01	31	24
2014-15	17	01	29	14
2015-16	Nil	01	37	17
2016-17	40	01	43	16
2017-18	21	01	24	15
2013-14	Dr R Pimpalgaonkar		Participated -03	List of ph.D. work supervised as supervisor/cosupervisor -03, 1.Usha Chandel 2.Raju Mobia 3.Mamta Tondon

	Dr. Vipla Kohli		Participated -04	
	Dr. Avinash Kumar Sharma -01		Participated -04	
	Dr. Rupinder Diwan -01		Participated -02 Chair person-01	-02 1. Rashmi Devi Soni 2.Smita Sharma
	Dr, Sangeeta Bajpai-01		Participated -01	
	Dr. N.B.Singh		Participated -03 Chair person -02	
	Dr. V.K.Kanungo-06		Participated-04 Chairperson -01 Invited talk-01	-09 1.SangitaBajpai 2. AnkitaPathak 3.Avinash Kumar Sharma. 4. Sweta Gaikwad 5.RajeshKumar Mishra 6. Siddharth Chowdhury 7. Khushi Dewangan 8. Sahla Khan). 9. Deep shikha Roy
	Dr. Suneeta Patra -01		Participated -03 Invited talk -01 7days Hands on workshop- 01	-10 1.Vishal Khare 2.Seema Sahu 3. Indu Soni 4.Anita Tikaria 5.Harishankar Prasad Rajak 6. Anju Bhandari, 7.Dipti Chouhan 8.Pranita Bansode 9.Amit Kumar 10.Chanchal Chaturvedi
2014-15	Dr R Pimpalgaonkar		Participated -07	List of ph.D. work supervised as supervisor/cosupervisor -03 1.Usha Chandel 2.Raju Mobia 3.Mamta Tondon
2014-2015	Dr. Vipla Kohli		Participated -07	
2014-2015	Dr. Avinash Kumar Sharma -01		Participated -07	
2014-2015	Dr. Rupinder Diwan -01		Participated -03 Chair person -03	-02 1. Rashmi Devi Soni

				2.Smita Sharma
	Dr, Sangeeta Bajpai-01		Participated -07	
	Dr. N.B.Singh		Participated -03 Chair person -03	
	Dr. V.K.Kanungo-06	–	Participated -07 Chair person -02	1. Khushi Dewangan 2. Sahla Khan). 3. Deep shikha Roy
	Dr Suneeta Patra	Coinvestigator-01	Participated -07 Chair person -03 7 days hands on workshop- 01 Guest speaker- 02	1.Vishal Khare 2.Seema Sahu 3.Indu Soni 4.Anita Tikaria 5.Harishankar Prasad Rajak 6. Anju Bhandari, 7.Dipti Chouhan 8.Pranita Bansode 9.Amit Kumar 10.Chanchal Chaturvedi
2015-16	Dr R Pimpalgaonkar		Participated-04	List of ph.D. work supervised as supervisor/cosupervisor 1.Usha Chandel 2.Mamta Tondon
	Dr. Vipla Kohli		Participated -04	
	Dr. Avinash Kumar Sharma -01		Participated -04	
	Dr. Rupinder Diwan -01		Participated -04 Chair person-01	1. Rashmi Devi Soni 2.Smita Sharma
	Dr, Sangeeta Bajpai-01		Participated -04	
	Dr. N.B.Singh		Participated -04	
	Dr. V.K.Kanungo-06		Participated-07 Chairperson –02 Invited talk-02	1. Khushi Dewangan 2. Sahla Khan). 3. Deep shikha Roy

	Dr. Suneeta Patra - 01		Participated -06 Invited talk -01 7days Hands on workshop- 01	1.Vishal Khare 2.Seema Sahu 3. Indu Soni 4.Anita Tikaria 5.Harishankar Prasad Rajak 6. Anju Bhandari, 7.Dipti Chouhan 8.Pranita Bansode 9.Amit Kumar 10.Chanchal Chaturvedi
2016-17	Dr R Pimpalgaonkar		Participated-06	List of ph.D. work supervised as supervisor/cosupervisor 1.Usha Chandel 2.Mamta Tondon
	Dr. Vipla Kohli		Participated -06	
	Dr. Avinash Kumar Sharma -01		Participated -06	
	Dr. Rupinder Diwan -01		Participated -06 Chair person-01	1. Rashmi Devi Soni 2.Smita Sharma
	Dr, Sangeeta Bajpai-01		Participated -06	
	Dr. N.B.Singh		Participated -06	
	Dr. V.K.Kanungo-06		Participated-04 Chairperson -01	1. Khushi Dewangan 2. Sahla Khan). 3. Deep shikha Roy
	Dr. Suneeta Patra - 01		Participated -09 Guest speaker -03	1.Seema Sahu 2.Indu Soni 3.Anita Tikaria 4.Harishankar Prasad Rajak 5. Anju Bhandari, 6.Dipti Chouhan 7.Pranita Bansode 8.Amit Kumar 9.Chanchal Chaturvedi
2017-18	Dr R Pimpalgaonkar		Participated-	List of ph.D. work supervised as supervisor/cosupervisor 1.Mamta Tondon

	Dr. Vipla Kohli			
	Dr. Avinash Kumar Sharma -01		Participated -02	
	Dr. Rupinder Diwan -01		Participated -04	1. Rashmi Devi Soni 2.Smita Sharma
	Dr, Sangeeta Bajpai-01		Participated -04	
	Dr. N.B.Singh		Participated -04 Resource person-01 Chairperson-01 Invited talk- 01	
	Dr. V.K.Kanungo-06		Participated-04 Invited talk-01	1. Khushi Dewangan 2. Sahla Khan). 3. Deep shikha Roy
	Dr. Suneeta Patra -01		Participated -06 Guest speaker -01	1.Seema Sahu 2.Indu Soni 3.Anita Tikaria 4.Harishankar Prasad Rajak 5. Anju Bhandari, 6.Dipti Chouhan 7.Pranita Bansode 8.Amit Kumar 9.Chanchal Chaturvedi

Annexure to be prepared

Publication

List Of Published Research Papers

2012-2013

Botany

R. Diwan

1. P. Shrivastava& **R. Diwan** -(2012) - Seed mycoflora of five different oil yielding crops. Journal of Ecobiotechnology. Vol 4(2), 2012, special issue ISSN 2077-2464.
2. Smita Sharma & **R. Diwan** - (2012) - Traditional knowledge of Leucascephalotes as a leafy vegetable of Chhattisgarh. Journal of Eco biotechnology. Vol 4(2), 2012, ISSN 2077-0464.
3. P. Shrivastava and **R. Diwan**(2013)- Spices as biocontrol agent for some internally seed borne fungal Pathogens. National Seminar on Traditional knowledge and Biotechnology, org. by SOS in Biotechnology, Pt. RavishankarShukla University Raipur(C.G.).

4. Microbial diversity and estimation of total protein in different seed borne fungal pathogen of rice. Journal of ecobiotechnology vol. 4(2), pp 224-225, 2012.ISSN 2077-0464.

V.K .Kanungo,

5. 1.Acharya, V., Sharma, V.,Patra, P.K. ,Naik, M.L. and **Kanungo,V.K.**,2012,Plants used by Kamar, gond and halba tribe of Dhamtari district of Chhattisgarh for relief of sickle cell disease,Recent research in science and Technology4 (3) : 01-03.
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1. Mamta and **Rekha Pimpalgaonkar**,Effect of growth regulators on *in vitro* shooting and rooting of *Solanum xanthocarpum* Schrad & Wendl. And its micropropagation for future medicinal applications,*Indian J. Applied & Pure Bio.* Vol.32 (2), 131-139 (2017).
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10. Ms Anju Bhandari , **Dr Suneeta Patra** and Dr. P.K.Patra, Study of anti-sickling property of *Tinospora cardifolia* , *Indian journal of scientific Research*, 12(2):165-168,2017,ISSN No.:0976-2876 (print), 2250-0138 (on line), Impact factor-0.13
11. Mr Amit Kumar and **Dr Suneeta Patra**, Qualitative and quantitative analysis of secondary phytochemical in *Gymnema sylvestre*,*Indian journal of scientific Research*, 12(2):150-156, 2017,ISSN No.:0976-2876 (print), 2250-0138 (on line), Impact factor-0.13
12. Mr Harishankar, Dr. Preeti Tiwari and **Dr. Suneeta Patra**, Study of intramural aeromycoflora of Banjari temple, , *Indian journal of scientific Research*, 12(2):183-188,2017, ISSN No.:0976-2876 (print), 2250-0138 (on line), Impact factor-0.13
13. Bhaskar V.K.S. Lakkakula, Henu Kumar Verma, Mona Choubey, **Suneeta Patra**, Prafulla Kumar Khodiar, Pradeep kumar Patra ,Assessment of renal function in Indian patients with sickle cell disease, *Saudi Journal of kidney diseases and transplantation*, 2017: 28 (3): 524-53,ISSN No.1319 – 2442, RG Impact factor – 0.74
- 14.Deepti Chauhan , A.K. Shrivastava and **Suneeta Patra**, Secondary metabolites and antioxidants screening of *Lablab purpureus* (L.) sweet in different solvents,*Adv.Pharmacol.Toxicol.*19 (1) 2018,45-58, !SSN- 0973-2381 (UGC List Serial No. 1455).
- 15.A.K.Shrivastava,P .Bansode and **S. patra**, Plants used by tribal people of Chhattisgarh for Gynecological disorders, *Indian J. Applied & Pure Bio.* Vol. 33 (1), 63-73, 2018, ISSN-0970-2091.
- 16.Deepti Chauhan , A.K. Shrivastava and **Suneeta Patra** , Comparative phytochemical analysis of the aqueous leafy extact of some important leafy vegetables from Durg (Chhattisgarh), *Life Science Bulletin* - June 2018 Vol. 15(1) : 07-10 ISSN (Print) : 0973 5453 ISSN (Online) : 2321-7952

S.No.	Name	Year	Title of the project	Funding agency
01	Dr. Suneeta Patra Co Investigator	Duration ,Feb 2015-2017,	Amount-Rs 3,00,000 “Role of growth factors of <i>Tinospora cordifolia</i> in lymphocyte culture. F.No.-MS-28/202057/XII/14-15/CRO, Dated 9 Feb-2015 Code:202057	UGC
02	Dr.Suneeta Patra Principal investigator	Duration, March 2017-February 2019	Amount Rs. 4,10,000, “Screening of anti-sickling property of some plants used for the treatment of sickle cell anaemia”,No.-3077/CGCOST/MRP/2017, Dated-31.03.17	CG COST

Seminar/ Conference/ Workshop/ Symposia organised

Name of the Department	Year	Title of the Seminar/ Workshop	Funding agency
Botany	2013-2014	Training program on mushroom cultivation –13-01- 2014	UGC CPE grant
Botany	2014-2015	7 days skill development and environmental protection programme-8-10-2014 to 14-10-2014	UGC CPE grant
Botany	2015-2016		
Botany	2016-2017	Work shop on Dermatoglyphics on 25-07- -2016	
Botany	2017-2018		

10. Teaching learning methods adopted by the department List the methods.

1. Chalk and duster
2. Over head projector
3. Power point projector
4. Field visits
5. Charts
6. Specimens
7. Online educational tutorial

11. Achievements of students (Provide details separately)

Year	Examination	Co curricular activities	Extracurricular activities
2013-14	M.Sc Sem IV- Cash prize of 11000/- by Mahila Seva Samiti for securing highest marks	Mushroom cultivation – 13-01-2013, Botanical excursion trip – 25-01-2013	Social campaigning programme for screening of sickle cell disease and it's awareness in school going children at Jamgoan village district Durg – 28.9.2013 & Poster presentation and demonstration by P.G.students of- Mushroom cultivation Biogas production Best out of waste Play on social evils- Alcoholism and Illiteracy
2014-15	M.Sc Sem IV- Cash prize of 11000/- by Mahila Seva Samiti for securing highest marks State PSC -01 -Mithilesh	Training programme on mushroom cultivation –13-01- 2014 , Study tour at Ghatarani Jaitmai– 25-01-2014	18. Social campaigning programme for screening of sickle cell disease and it's awareness in school going children at Jamgoan village district Durg – 17-10-2014 2. Guest lectures of – 1. Padma shree Dr. Lalji Singh , Retd vice chancellor B.H.U., Fellow CCMB- 6-11-2014 2. Dr. S.C. Panda- Retd. Professor Botany- 8-10-2014 3. Dr. Somkant Sharma – Retd. Professor Botany 8-10-2014 4. Dr.M.L.Naik - Retd. Professor Botany 14-10-2014 5. Dr. A. Girolkar - Principal, Govt. D.B.Girls' P.G.

			College, Raipur, C.G. 14-10-2014 6. Dr. K.K. Sahu – Scientist, IGKV, Raipur 13-10-2014
2015-16	M.Sc Sem IV- Cash prize of 11000/- by Mahila Seva Samiti for securing highest marks	5 days mushroom training Science day celebration - Rangoli competition - One day educational visit to Govt. Ayurvedic college, Raipur, C.G.	Science day celebration - Rangoli competition - Science exhibition - Poster and charts preparation, Article writing competition on Conservation of environment 4-4-15, Photography competition on Our environment 5-4-15, Speech competition on Our culture and trees 6-4-15
2016-17	M.Sc Sem IV- Cash prize of 11000/- by Mahila Seva Samiti for securing highest marks		. Basant panchami celebration – 01-02-2017 Science day celebration presentation of models and charts- 27 Feb 2017 ,Article writing competition on Role of youth in conservation of natural resources - 31-03-2017 , Photography competition on Nature -30-03-2017
2017-18	-Divya Ledwani M.Sc Sem IV- Cash prize of 11000/- by Mahila Seva Samiti for securing highest marks NET -02 Pankaj Tiwari,Gaurav	MSc (Botany)II & III- third prize Model competition on science day	
2018-2019	-NET -02 Akansha,Tupendra		

1. Research scholars receiving the fellowship

Name of research scholar	JRF	SRF	Project fellow	Other
Mrs Mamta Tondon				Rajiv Gandhi
Shahla Khan				Pt. R.S.U fellow
Ritu Kunjam				Pt. R.S.U fellow
Pankaj Tiwari			Project assistant	
Raksha Goel			Project assistant	

Annexure enlist separately

12. Achievements of Teacher.

Year	Achievement of Teachers	Enclose Details Separately
2013-14	Dr V.K.Kanungo-	Technical session Chaired in National Conference on Traditional knowledge & Biotechnology, 22-24 th November 2013, organized by S.O.S. in Biotechnology, Pt. R.S. University, Raipur.
	Dr. N.B.Singh	In National Conference on “Traditional Knowledge and Biotechnology” (Organized by SOS in Biotechnology, Pt, R.S.U., Raipur from Nov. 22-24, 2013)
2014-15	Dr. Suneeta Patra	Guest Speaker -Basics of stem cell, National CME on biochemical aspects of inborn error of metabolism , 17 January 2015 & 2 nd AMBICON Chhattisgarh state chapter, Dept. of Biochemistry, Late Shri Lakhiram Agarwal memorial medical college, Raigarh C.G. -GM Food , CGCOST, Science center Raipur C.G.
2015-16	Dr V.K.Kanungo -	Technical session Chaired -National Seminar on Innovations and Prospects in Biotechnology, January 2-4, 2016. Organized by S.O.S. in Biotechnology, Pt. R.S. University, Raipur. - National conference on Prospects in Life sciences: Paradigm shift in teaching and research in Zoological sciences, March 2-3, 2016 Organized by Govt. N.P.G. College of Science, Raipur Resource person -National Seminar on Conservation of plant Diversity: Global Issues, 7 th August, 2015. Radha Bai Naveen Kanya Mahavidyalaya, Raipur. -National conference on Modern life science Perspective and Prospects, 4-5 December, 2015

		Government College ,Bhakhara
	Dr N B. Singh-	<p>Resource person Capacity Building Workshop on Laboratory Techniques and Maintenance (18-20 November, 2015)</p> <p>-In 18th National Conference of Indian Aerobiological Society (Organized by TumkurUniversity, Karnataka from Sept. 28-30, 2015)</p> <p>- National Seminar on “Innovations and Prospects in Biotechnology” (Organized by SOS in Biotechnology, Pt, R.S.U., Raipur from January 02-04, 2016)</p> <p>Chair person- National Conference on “Prospects in Life Scieces” : Paradigm Shift in Training and Research in Zoological Sciences (02-03 March2016)</p>
	Dr.Suneeta Patra	<p>Resource person Capacity Building Workshop on Laboratory Techniques and Maintenance (18-20 November, 2015)</p> <p>Chair person- National seminar on Innovation & prospects in Biotechnology, 2-4 January 2016, SOS in Biotechnology, PT.R.S.U. Raipur,C.G.</p> <p>National Conference on “Prospects in Life Scieces” : Paradigm Shift in Training and Research in Zoological Sciences (02-03 March2016)</p>
2016-17	Dr V.K.Kanungo	<p>Technical session Chaired</p> <p>National seminar on Advances in EnvironmentalScience & Technology, January 23-24, 2017, Organized by Govt. Digvijay Autonomous P.G. college, Rajnandgaon , C.G</p> <p>Resource person- National seminar on Present Scenarion in phytomicrobial aspects beneficial to mankind,27-28 January,2017,Govt. W.W. Patankar Girls P.G. college, Durg, C.G.</p>
	Dr. Suneeta Patra	<p>Guest faculty - 3rd Global congress on sickle cell disease, Odisha hematology and Global sickle cell disease network,21st-24th February - 2017, Bhubaneshwar.</p>

		-Behavioral Impact of animals and microorganisms on Human life and their environment, Interdisciplinary national seminar on 3-4 February 2017, Dept. of Zoology, Govt. Dr.W.W. Patankar Girls' P.G. College, Durg, C.G. -Stem cells, National CME on Stems cell & its application, 12 th April 2017, Dept.of Anatomy, Raipur Institute of Medical Science, Gram - Gondhi, Raipur
2017-18	Dr.N.B.Singh	Technical session Chaired -XX National Conference on Aerobiology-2018 (Organized by Sant Gadge Baba Amaravati University, Amaravati, Maharastra from Jan. 29-31, 2018)
	Dr.Suneeta Patra	Guest speaker- ZSC 3 rd National conference on Prospects of Innovation in Life sciences and Socio economic challenges, 2-3 Dec. 2017, Dept. of Zoology CMD P.G. College, Bilaspur, C.G.

13. Research scholars enrolled/ Ph. D. Awarded

Year	Name of Supervisor	Research Scholars enrolled	Research completed & Ph.D. awarded
2013-14	Dr.R.Pimpalgaonkar	Raju Mahobia	Ph.D awarded 19.06.2013
2013-14	Dr. R.Diwan	Smita Sharma	
	Dr V K Kanungo		Ph.D awarded 04 1.Ph.D. awarded to SangitaBajpai 2.Ph.D. awarded to AnkitaPathak 3.Ph.D. awarded toAvinash Kumar Sharma). 4.Ph.D.awarded to Sweta Gaikwad).
	Dr. Suneeta Patra	1.Anju Bhandari 2.Deepti chouhan 3.Pranita Bansode	

2014-15	Dr.R Pimpalgaonkar	Usha Chandel	June 2014
	Dr V K Kanungo		Ph.D awarded 03 1.Ph.D. awarded to Swati Shrivastava). 2.Ph.D. awarded to Rajesh Kumar Mishra). 3.Ph.D. awarded to Siddharth Chowdhury.
	Dr Suneeta Patra	1.Amit Kumar 2.Chanchal Chaturvedi	
2015-16	Dr Suneeta Patra		Ph.D awarded-01 Vishal Khare
2016-17			
2017-18	Dr.R.Diwan		Ph.D awarded-01 Smita Sharma
	Dr V K Kanungo		Ph.D awarded – 03 1.Ph.D. awarded to Khushi Dewangan 2.Ph.D. awarded to Sahla Khan 3. Ph.D. awarded to Deep shikha Roy
	Dr. Suneeta Patra		Ph.D awarded-03 1.Seema sahu 2.Indu Soni 3.Anita Tikariya

Annexure enlist separately

Name of Supervisor	Title of the Research	Year of Completion/ Ph.D. awarded
Dr. R. Pimpalgaonkar	1.Raju Mahobia Amospheric studies of Bioerosols of Navapara (Rajjim), Distt. – Raipur with	26 / 7 / 2014

	<p>special reference to fungal spores</p> <p>1. Usha Chandel Studies on ecological relationship and interaction of fungi in the phylyplane and rhizosphere of <i>Jatropha curcus</i> ,L.</p> <p>2. Mamta Tandon Mycropopagation and phytochemical astimation of <i>Solanum xanthocaroum</i>. (schrade wendl).</p> <p>5.Merry Kusum Ekka Documentation of herbal medicine : preparation method and remedies, pesticide in Orrisa and Jashpur (C.G.)</p>	
Dr R.Diwan	<p>1. Smita Sharma Evaluation of pathogenic abilities of certain fungi isolated from common leafy vegetable crops of Chhattisgarh.</p> <p>2.Rashmi Devi Soni Characterisation of phytopathogenic abilities of leaf fungi of common legume crops from Chhattisgarh</p>	<p>09/10/2017</p> <p>28/08/2018</p>

Dr.V.K.Kanungo	1. Sangita Bajpai Diversity and Species structure of Home gardens in some villages of Raipur district of Chhattisgarh.	22 / 1/2014
	2. Ankita Pathak Analytical studies on the effect of cement dust on soil properties and uptake of different metals in surrounding area of cement plant in Chhattisgarh.	08 / 10/ 2014
	3. Avinash Kumar Sharma Inventorying diversity of plants in some homegardens of Raipur, Chhattisgarh with special reference to Medicinal and Endangered plants.	03 /11/ 2014
	4. Sweta Gaikwad (2014) Study of Nutritional value, Biochemical changes and utilization of cotyledonary contents in Trigonella and Tamirandus seeds during germination	20 / 11/ 2014
	5. Swati Shrivastava (2015) Ethnobotanical study in Surguja district of Chhattisgarh with reference to Uraon tribe.	02/1 / 2015
	6. Rajesh Kumar Mishra (2015) Diversity and seasonal abundance of Zooplankton in some ponds of Raipur, Chhattisgarh.	10 / 8 /2015
	7. Siddharth Chowdhury (2015) Ethnobotanical study of the mixed forest of Makdi block of Bastar district with reference to Tribes).	18 / 8 /2015
	8. Khushi Dewangan (2017) Ethnobotanical survey of Raipur, Chhattisgarh with special reference to plants described in folklores and used in festivals),	12 /9 /2017
	9. Sahla Khan (2017) "Survey of Aeromycoflora and related Allergic diseases of Raipur, Chhattisgarh".	9/ 10 /2017
	10. Deep shikha Roy (2017) "Study of species composition and phytochemistry of some abundantly growing plants of family Asteraceae in Raipur district of Chhattisgarh."	9 / 1/ 2018

Dr. Suneeta Patra	<p>1.VishalKhare Isolation and characterization of <i>Pseudomonas</i> species from patients with respiratory tract infection with special reference to carbapenem resistant.</p> <p>2.Seema Sahu Pt.RavishankarUniversity,CoSuperior(Botany) Topic-relation between aeromycoflora and leaf surface mycoflora of <i>Hibiscus sabdariffa</i>(Roselle).</p> <p>3.Indu Soni Topic-Study of indoor aeromicroflora of Pt.Sundarlal Sharma library in Pt.RSU Raipur, C.G.</p> <p>19. Anita Tikaria Topic-Study of Industrial soil and its ecophysiological effect on the plants of Bhilai Industrial area</p> <p>5. Anju Bhandari, Topic- Study of Antisickling activities of herbs traditionally used by tribal people in the treatment of sickle cell disease.</p> <p>6.Dipti Chouhan, Topic- Medicinal and nutritional analysis of some leafy vegetables of Durg District</p> <p>7.Pranita Bansode, Topic- Ethnobotanical analysis of herbs Gynecological disorders used by tribal people of Chhattisgarh</p> <p>8.Amit Kumar - Topic – Studies on in vitro propagation of <i>Madhuca indica</i> (<i>J.Koenig ex L. /J.F. Macbr.</i>) (<i>MAHUA</i>)</p> <p>9.Chanchal Chaturvedi-, Topic- Effect of <i>Tinospora cordifolia</i>, Miers and <i>Aloe vera</i> , Mill on plant extracts rich in secondary metabolites on in vitro Culture of lymphocyte</p>	<p>27June2016,</p> <p>09-10-2017</p> <p>16-01-2018</p> <p>25-05-2018</p> <p>Thesis submitted</p> <p>Thesis submitted</p> <p>Thesis submitted</p>
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14. Board of studies Meeting-

Year	Date of meeting	Resolution passed	Remarks
2013-14	28-10-2013	Question paper pattern will be modified. Objective type, Short answer type and Long answer type question will be asked of 10, 15, 25 marks respectively.	
2014-15	14-03-2014	Resolution passed that new patten of question paper will be introduced in class B.Sc-I.	
2015-16	18-04 -2015	Resolution passed that in Post Graduate level project work was made compulsory for the students .Decision was taken to introduce new elective paper Lemnology.	
2016-17	12- 03 -2016	Decision was taken to introduce internal assessment of 20 marks in Post Graduate level.	
2017-18	02-05-2017	In post Graduate level question paper patter was modified ad decision was taken to ask very short answer question, Short answer question and long answer question of 8,24,48 marks respectively.	
2018 – 19	11-04-2018	In Post Graduate level new course content viz- Population Ecology Paper –II of M.sc- III Semester and Aeromycoflora of different seasons in 4 th paper of Semester –IV was introduced.	

15. Selection of students for admission-

Year	Total application received	Admission given to candidate of minimum % on merit
2013-14		

2014-15		
2015-16		
2016-17		
2017-18		

16. Selection of contract appointment of teachers Nil

Year	No. of Posts vacant	Application received	Appointment given to candidate on merit
2013-14	1 professor	-	-
2014-15	01	-	-
2015-16	01	-	-
2016-17	01	-	-
2017-18	01	44	Dr. Kavita Sharma
2018-19	01	32	Dr. Shahla Khan

17. Extension activities done by the Department-

Year	Name of extension activity	Target group	Funds received from
2013-14	<p>1. Guest lecture by 1.Dr S.S.Ali-13.8.2013 2. Dr. M. P. Thakur- 13.8.2013 3. Dr. S.S.Sandhu – 16.8.2013 4. Dr. T. Shrinivasu – 16.8.2013 5. Dr. Prasad A. Wadegaonkar-17.8.2013 6.Dr. Arti Guhey – 19.8.2013 7. Dr. J.S. Kacchuwaha – 23.8.2013 8. Dr. Prakash Saluja – 23.8.2013 9. Dr. Vaibhav Acharya – 23.8.2013 10. Dr. M.L.Naik – 24.8.2013 11. Dr. P.K.Patra – 24.8.2013</p> <p>2.Social campaigning programme for screening of sickle cell disease and it's awareness in school going children at Jamgoan village dist. Durg – 28.9.2013 & Poster presentation and demonstration by P.G.students of- Mushroom cultivation Biogas production Best out of waste</p> <p>Play on social evils- Alcoholism and Illiteracy</p> <p>3.Mushroom cultivation – 13-01 2013</p> <p>4.Botanical excursion trip – 25-01-2013</p>	<p>U.G.and P.G.students</p> <p>school going children</p> <p>U.G.and P.G.students</p>	<p>U.G.C., CPE</p> <p>U.G.C., CPE</p> <p>U.G.C., CPE</p>

	5.	Students of B.Sc. –II	U.G.C., CPE
2014-15	<p>20. Socialcampaigning programme for screening of sickle cell disease and it's awareness in school going children at Jamgoan village dist. Durg – 17-10-2014</p> <p>2. Guest lectures of –</p> <p>1.Padma shree Dr. Lalji Singh , Retd vice chancellor B.H.U., Fellow CCMB- 6-11-2014</p> <p>2. Dr. S.C. Panda- Retd. Professor Botany- 8-10-2014</p> <p>3. Dr. Somkant Sharma – Retd. Professor Botany 8-10-2014</p> <p>4. Dr.M.L.Naik - Retd. Professor Botany 14-10-2014</p> <p>5. Dr. A. Girolkar - Principal, Govt. D.B.Girls' P.G. College, Raipur, C.G. 14-10-2014</p> <p>6. Dr. K.K. Sahu – Scientist, IGKV, Raipur 13-10-2014</p> <p>3.Training programme on mushroom cultivation –13-01- 2014</p> <p>4. Study tourat Ghatarani Jaitmai– 25-01- 2014</p> <p>5.Information was given by P.G.students for awareness for sickle cell disease, water borne and food borne disease at Jamgoan village dist. Durg-17-10-2014</p> <p>6.Exhibition of best out of waste - 14-01- 2014</p> <p>7. Plantation in Botanical garden and college premises was done.</p> <p>8.Wall magazine was prepared throughout the session.</p> <p>9.Alumni meet was organized on 8-1-2015</p>	<p>school going children</p> <p>U.G.and P.G.students</p> <p>U.G.and P.G.students</p> <p>B.Sc. II year students</p> <p>school going children</p> <p>U.G.and P.G.students</p>	
2015-16	1.Teacher's Day celebration 5-9-16	U.G.and	

	<p>2. One day educational visit – Agriculture college Raipur 6-10-16 – Devleelabiotech. lab 6-10-16</p> <p>3. Formal Inauguration of Botanical society 23-11-16</p> <p>4. 5 days mushroom training programme IGKV, Raipur, C.G. 18-22 Jan 16</p> <p>5. Saraswati puja celebration</p> <p>6. Science day celebration - Rangoli competition - Science exhibition - Poster and charts preparation</p> <p>7. One day educational visit to Govt. Ayurvedic college, Raipur, C.G.</p> <p>8. Article writing competition on Conservation of environment 4-4-15</p> <p>9. Photography competition on Our environment 5-4-15</p> <p>10. Speech competition on Our culture and trees 6-4-15</p> <p>11. Rastriya Ekta day celebration</p> <p>12. Swachhata abhiyan</p> <p>13. Welcome and farewell</p> <p>14. Valedictory function of Botanical Society</p> <p>15. Publication of 22nd Botanical essay was done by P.G. students under the guidance of faculty members of the department.</p>	<p>P.G. students</p> <p>P.G. students</p> <p>U.G. and P.G. students</p> <p>P.G. students</p> <p>P.G. students</p> <p>P.G. students</p>	
2016-17	<p>1. Free polythene day under the endeavor of Rastriya Swachhata abhiyan – 3-9-2016</p> <p>2. Educational trip to Siyadevi, Balod – 15-10-2016</p> <p>3. Teacher's Day celebration-5-9-16</p> <p>4. Inauguration of Botanical society by Dr. M.L. Naik and release of 23rd Botanical essay -8.09.16</p> <p>5. Saraswati pooja celebration- 13.2.15</p> <p>6. Basant panchami celebration – 01-02-2017</p> <p>Science day celebration, presentation of models and charts- 27 Feb 2017</p> <p>7. Article writing competition on Role of youth in conservation of natural resources - 31-03-2017</p> <p>8. Photography competition on Nature -30-03-2017</p> <p>9. Oral presentation by students (competition) 01-04-2017</p> <p>10. Tips to qualify NET examination given by Alumni Pushpa Kanwar – 06-04-2017</p>	<p>P.G. students</p> <p>U.G. and P.G. students</p>	

	<p>11.Plantation in Botanical garden was done by faculty members and students –05-07-2016,</p> <p>12.Publication of Botanical essay was done by P.G. students under the guidance of faculty members of the department.</p> <p>13.Programme on Personality development and to skill in Spoken English was organized – 20-10-2016.</p> <p>The guest speaker was Dr. Rita Soni, Asst. professor, English, Govt. N.P.G college of Science, Raipur, C.G.</p> <p>14.Lectuer followed by Work shop on Dermatoglyphics was conducted by the guest faculty Dr. R. Shanti Iyer, Jain University, Bengluru on 25-07 2016.</p>		
2017-18	<p>1.On 05/07/2017 and 01-08-2017 the Botanical society of Department of Botany, conducted a plantation programme</p> <p>2.Independence day Celebration(15-08-2017)</p> <p>3. Botany department took part in this abhiyan on 26 August 2017.</p> <p>4. Teacher's Day Celebration (05-09-2017)</p> <p>5. Formal Inauguration of Botanical society 2017 -2018</p> <p>6. NET Preparation (19 -11-2017)</p> <p>7. Annual function (11-01-2018)</p> <p>8. Basant Panchami(22-01-2018)</p> <p>9. Republic Day Celebration(26-01-2018)</p> <p>10. Cash prize Distribution Ceremony(30-01-2018)</p> <p>11. Lecture by an Ex- Student (30-01-2018)</p> <p>12. Maha Shivaratri Pooja (13-02-2018)</p> <p>13. National Science Day-28thFebruary</p> <p>14. The students of M.Sc IV Semester(Botany) have a small group of study</p> <p>15. the students of M.Sc. IV semester Botany organized a welcome party on 14th October 2017 for the juniors</p>	P.G. students	

Annexure- Report & Photographs

18. Facilities of recreation activities-

List of facilities available with the Department

Year	Recreation facilities developed	Funds received from
2013-14	Teachers Day celebration, Tour	For Tours U.G.C. and C.P.E
2014-15	Tour, plantation, Saraswati puja celebration, Teachers Day Celebration.	For Tours U.G.C. and C.P.E
2015-16	Tour, Saraswati puja, Plantation, Teachers Day Celebration.	For Tours U.G.C. and C.P.E
2016-17	Tour, Teachers day celebration, Independence Day celebration, Swachhta Abiyan, Anand mela	For Tours U.G.C. and C.P.E
2017-18	Tour, Plantation Programme, Independence day celebration, Basant Panchami celebration Republic day celebration, Swachhta Abiyan, Anand mela	For Tours U.G.C. and C.P.E

19. Innovative reforms of the Department-

List of innovative practices under way in the department

Year	Innovative reforms taken	Target group	Impact of reform
2013-14	Botanical Essay	Students 45 Faculty members 08	Continued
2014-15	Botanical Essay	Students 43 Faculty members 08	Continued
2015-16	Botanical Essay	Students 44 Faculty members 08	Continued
2016-17	Botanical Essay	Students 45 Faculty members 08	Continued
2017-18	Botanical Essay	Students 46 Faculty members 08	Continued

20. Achievements of the Department-

S. No.	Items	Status before autonomy 2008- 2013	Status at present 2013-2018
1	UG intake	2007- 250- 2009- 400	400
2	PG intake	Seats-15- 2009- 10-25 Micro-40, Biotechnology-	25 seats Micro ,Biotechnology shifted to

		30 -60 Botany Botany	separate dept.
3	UG Programmes	Botany Continued CBZ, CBG CBD till 2006 CBBT,CBMB CBZ ,CBD,CBG,CBBC Same continued	After 2013- 2014 CBZ,CBG,CBBT,CBMB,CBBC Same continued
4	PG Programmes	Same continued	Same continued
5	M.Phil/ Ph.D.	M.Phil - Nil/ Ph.D. Research centre since last 40 years (1972) 10- Ph.D. awarded	M.Phil- Nil/Ph.D. Research Centre 20- Ph.D. Awarded
6	Research publication	10 Research papers published in reputed journals	25 Research papers published in reputed journals
7	Research projects		P.I./Co P.I.- 06
8	Organizing seminar/ Conferences/training programme	01 National seminar 2011	Nation workshop-01 and state level workshop-3
9	Attending seminar/ conference	50	220
10	Extension activities		As per- Annx 17
11	Consultancy	Authentic - Nil	Authentic – Nil
12	Faculty	2008 – 2013 Prof-04 ,Asst. Prof-05 Total = 9	Prof- nil Promoted professor -03 Asst Prof.- 5 Total 8 2017-18- 8+1 2018-19 – 8+1
13	Faculty with Ph.D.	With Ph.D. -07 Without PH.D. -02	With Ph.D.-08 Without Ph.D. -Nil
14	Infrastructure	1) 2 Rooms constructed by U.G.C Grant; Handover to Microbiology. 2) Construction of Research Lab. By U.G.C. grant. Room no- 46	1) Renovation of Green house of Botanical Garden. 2)Renovation of M.sc and M.sc Final, Pathology Lab. Biotec Lab Handover to Biotec Dept.
15	Library	No. Of Books- 91 Journals – Nil	No. of Books -91 Transferred from main Library
16	Result analysis	Reported earlier	Reported
17	Placement	6	4
18	Any other	1)Parents teachers meeting not taken	1)Parents teachers meeting Started.

		2) Feed back from students not Taken	2)Feed back from students Started.
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20. Innovative reforms of the Department-

List of innovative practices under way in the department

Year	Innovative reforms taken	Target group	Impact of reform
2013-14	-Botanical Essay -Socialcampaigning programme for screening of sickle cell disease and it's awareness in school going children at Jamgoan village dist Durg – 17-10-2014	Students 45 Faculty members 08	
2014-15	-Botanical Essay -Socialcampaigning programme for screening of sickle cell disease and it's awareness in school going children at Jamgoan village dist Durg – 17-10-2014	Students 43 Faculty members 08	
2015-16	Botanical Essay	Students 44 Faculty members 08	
2016-17	Botanical Essay	Students 45 Faculty members 08	
2017-18	Botanical Essay	Students 46 Faculty members 08	
2018-2019	Botanical Essay screening of sickle cell disease and it's awareness for college students, faculty members office staff	college students, faculty members office staff- 200	

RESULTS (In terms of pass out)

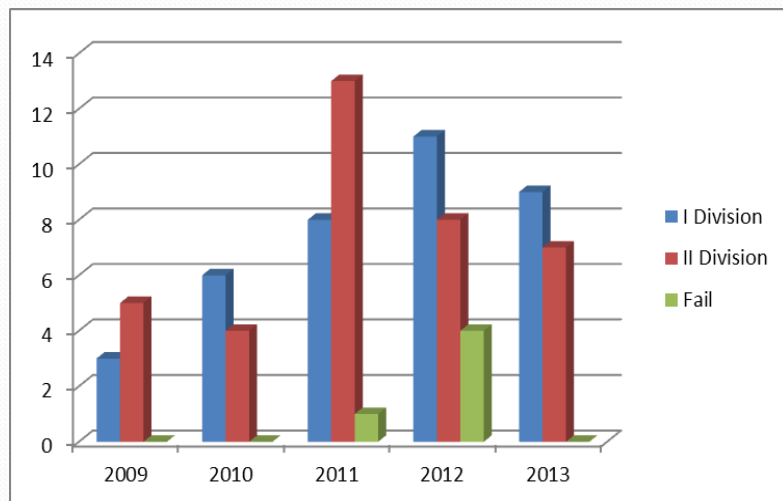
B.Sc.Part I- 60%

B.Sc.Part II- 80%

B.Sc. Part III- 90%

M.Sc.I,II,III,IV Semester- 95%

Results of P.G. 2009- 2013



Seminar / Conference/ Symposium/Workshop attended Abstract published (2014-2018)

Dr. R. Pimpalgaonkar

1. Capacity Building Workshop on Laboratory Techniques and Maintenance (18-20 November, 2015)

Chaired/Co Chared sessions in National Seminars/Conferences :

1. In National Conference on “Traditional Knowledge and Biotechnology” (Organized by SOS in Biotechnology, Pt, R.S.U., Raipur from Nov. 22-24, 2013)
3. In National Seminar on “Innovations and Prospects in Biotechnology” (Organized by SOS in Biotechnology, Pt, R.S.U., Raipur from January 02-04, 2016)
4. In National Conference on “Prospects in Life Scieces” : Paradigm Shift in Training and Research in Zoological Sciences (02-03 March2016)

Convenor-

1. Skill development programme & environmental protection programme 8-14 october 2014, Dept of Botany, Govt. N.P.G. College of science, Raipur , C.G
2. Capacity building workshop on laboratory techniques & maintenance, 18-20 November 2015, Govt N.P.G. College of Science ,Raipur,C.G.

Co convenor –

National seminar on enhancement strategies in quality education and research, Nov. 26-27 2015, IQAC cell, Govt. N.P.G.College of Science, Raipur, C.G.

Research papers presented in Seminars/Conferences :

1. National Seminar on “Innovations and Prospects in Biotechnology” (Organized by SOS in Biotechnology, Pt, R.S.U., Raipur from January 02-04, 2016)
2. National Conference on “Prospects in Life Scieces: Paradigm Shift in Training and Research in Zoological Sciences” Organized by Dept. of Zoology, Govt. N.P.G.College of Science, Raipur on 02-03 March 2016.
3. Symposium Organized by Dept. of Biochemistry, Pt, J.N.M. Medical College, Raipur on 25th July 2014.
4. Symposium Organized by Dept. of Biochemistry, Pt, J.N.M. Medical College, Raipur on 25th July 2015. 10. Symposium Organized by Dept. of Biochemistry, Pt, J.N.M. Medical College, Raipur on 25th July 2016.
5. Symposium Organized by Dept. of Biochemistry, Pt, J.N.M. Medical College, Raipur on 25th July 2017.

Workshop Attended :

1. RUSA sponsored Workshop on “Quality Education”. Organized by Govt. N.P.G.College of Science, Raipur on June 23, 2015.
2. RUSA sponsored Workshop on “Governance, Leadership and Management”. Organized by Govt. N.P.G.College of Science, Raipur on June 24, 2015.
3. RUSA sponsored Workshop on “Examination Reforms”. Organized by Govt. N.P.G.College of Science, Raipur on June 25, 2015.
4. RUSA sponsored Workshop on “Strategies Development and Deployment to Achieve Acces, Equity and Excellence in Higher System”. Organized by Govt. N.P.G.College of Science, Raipur on June 26, 2015.
5. RUSA sponsored Workshop on “Carries Guidance”. Organized byGovt. N.P.G.College of Science, Raipur on June 27, 2015.
6. “Capacity Building Workshop on Laboratory Techniques and Maintenance”. Organized byGovt. N.P.G.College of Science, Raipur on NOv. 18-20, 2015.
7. RUSA sponsored Workshop on “Strategies and Chalanges in Implementing Extension of Higher Education and Improvement in Quality of Higher Education”. Organized byGovt. N.P.G.College of Science, Raipur on June 20, 2017.
8. RUSA sponsored Workshop on “Examination Reform”. Organized by Govt. N.P.G.College of Science, Raipur on June 24, 2017.
9. National Workshop on “Plagiarism and IPR: A Prime Concern for Academia”. Jointly Organized by Pt. Sunderlal Sharma Library and SOS in Library and Inf. Science, Pt R.S.U. and Govt. N.P.G.College of Science, Raipur on June 24, 2017.

Dr Vipla Kohli

ABSTRACTS:

1. Survey and isolation of several foliar mycoflora in some popular leafy vegetable crops of Chhattisgarh. (Under ZSC) NPG college of Science, Raipur, 3 March, **2016**.
2. Evolution of fungal diversity in certain leguminous crops of Chhattisgarh. Under (ZSC), zoology dept. ,NPG college of Science, Raipur, 3 March, **2016**.
3. Biochemical estimation of amylase enzyme by *Alternaria alternata*. Prospects in life Sciences: Paradigm shift in teaching and research in zoological sciences, NPG Colleges of sciences, Raipur, 3 march,2016.(zoological society of chhattisgarh).
4. Antifungal effect of some plant extracts against *Alternaria alternata*. National seminar, Govt. Girls college , Durg, January 2017.

SEMINARS / WORKSHOPS/SYMPOSIUM

1. National symposium on “Digital medicine”. J.N.M. Medical College, Raipur, 25th July, **2014**.
2. Skill development and environmental protection programme sponsored by UGC organized by Govt. NPG College, Raipur. 8-14th October (seven days), **2014**.
3. Workshop (RUSA sponsored workshop) on “Quality Education”, 23rd June **2015**.
4. Workshop (RUSA sponsored workshop) on “Governance, Leadership and Management”, 24th June **2015**.
5. Workshop (RUSA sponsored workshop) on “Examination reforms”, 25th June **2015**.
6. Workshop (RUSA sponsored workshop) on “Strategies development and development to achieve access, equity and excellence in higher system”, 26th June **2015**.
7. Workshop (RUSA sponsored workshop) on “Career guidance”, 27th June **2015**.
8. National symposium on “Role of Quality in healthcare management”. J.N.M. Medical College, Raipur, 25th July, **2015**.
9. National seminar on Conservation of plant diversity: Global issues sponsored by UGC. Dr. Radhabai Govt. Naveen Kanya Mahavidalaya, Raipur. 7th August, **2015**.
10. Capacity Building workshop on Laboratory techniques and Maintenance. Govt. NPG College of Science, Raipur. 18- 20 November, **2015**. **Organizing Committee member**
11. National Conference on Prospects in life sciences: Paradigm Shift in Teaching and Research in zoological Sciences. Govt. NPG College of Science, Raipur. 2-3 march, 2016.
12. National symposium on “Genetic basis of Haematological disorders with special emphasis on sickle cell disease”. J.N.M. Medical College, Raipur, 25th & 6th July, **2016**.
13. RUSA sponsored workshop on Road Map of quality enhancement. Govt. NPG College of Science, Raipur, 21st June **2017**.
14. RUSA sponsored workshop on Examination Reform. Govt. NPG College of Science, Raipur, 22nd June **2017**.
15. RUSA sponsored workshop on Strategies and challenges in implementing semester system and Choice Based Credit System (CBCS). Govt. NPG College of Science, Raipur, 23rd June **2017**.
16. RUSA sponsored workshop on Collection of Data, analysis and report preparation. Govt. NPG College of Science, Raipur, 24th June **2017**.
17. National workshop on “Capacity building in higher education: Use of library resources. Govt. NPG College of Science, Raipur, 27th June **2017**.

Dr. Avinash kumar Sharma

SEMINARS / WORKSHOPS/SYMPOSIUM attended

- I. Symposium on Role of Bioinformatics in Medicine,**
 - On July 25th, 2013
 - Organised By: Pt. J.N.M. Medical College, Raipur (C.G)
- II. National seminar On “Consevation Of Economically Important Endangered Plant Species Of Chhattisgarh Region”,**
 - On October 25-26, 2013
 - Organised By: Dept. of Biotechnology & Microbiology, Bhilai Mahila Mahavidyalaya, Bhilai
- III. National Conference on Traditional Knowledge & Biotechnology,**
 - On November 22-24, 2013
 - Organised By: SOS in Biotechnology, Pt. R.S.U., Raipur (C.G)
- IV. Symposium on Digital Medicine**
 - On July 25, 2014
 - Organised By: Department of Biochemistry, Pt. J.N.M. Medical College, Raipur, C.G.
- V. National symposium on Role of Quality control in health care management**
 - On July 25, 2015
 - Organised By: Pt. J.N.M. Medical College, Raipur, C.G.
- VI. RUSA sponsored workshop in Quality education,**
 - On June 23, 2015
 - Organised By: Govt. Nagarjuna P.G. College of Science, Raipur, C.G.
- VII. RUSA sponsored workshop in Quality education,**
 - On 23 June 2015,
 - Organised By: Govt. Nagarjuna P.G. College of Science, Raipur, C.G.
- VIII. RUSA sponsored workshop in Governance, leadership and Management,**
 - On 24 June 2015,
 - Organised By: Govt. Nagarjuna P.G. College of Science, Raipur, C.G.
- IX. RUSA sponsored workshop in Examination reforms,**
 - On 25 June 2015,
 - Organised By: Govt. Nagarjuna P.G. College of Science, Raipur, C.G.
- X. RUSA sponsored workshop in Strategies development and deployment to achieve access equity and excellence in higher system,**

- On 26 June 2015,
- Organised By: Govt. Nagarjuna P.G. College of Science, Raipur, C.G.

XI. RUSA sponsored workshop in Career Guidance,

- On 27 June 2015,
- Organised By: Govt. Nagarjuna P.G. College of Science, Raipur, C.G.

XII. National seminar on Conservation of plant diversity: Global issues,

- On 7 August 2015,
- Organised By: Dr. Radhabai Govt. Navin kanya Mahavidyalaya, Raipur, C.G.

Dr. R. Diwan

1. **P. Shrivastava and R. Diwan-** Species as biocontrol agent for some internally (2013) seed borne fungal Pathogens. Paper accepted in proceedings Traditional knowledge and Biotechnology, org. by SOS in Biotechnology, Pt. Ravishankar Shukla University Raipur (C.G.) 2013

2. **V. Kohli and R. Diwan-** Effect of certain antibiotics & fungicides against (2013) *Curvalaria lunata* proceedings Traditional knowledge and Biotechnology, org. by SOS in Biotechnology, Pt. Ravishankar Shukla University Raipur (C.G.)2013

3. **Smita Sharma & R. Diwan (2013) -** *Ipomoea aquatica* a common leafy vegetable of Chhattisgarh Paper accepted in proceeding Traditional knowledge and Biotechnology, org. by SOS in Biotechnology, Pt. Ravishankar Shukla University Raipur (C.G.)2013, National Conference on - Traditional Knowledge & Biotechnology Org. by SOS in Biotechnology Pt. R.S. University, Raipur (C.G.) on Nov. 22-24, 2013.

a) Participated as a co-chairperson of one session.

b) Paper presentation

4. National workshop ' Hands on DNA Technologies (8-11 Jan, 2013) org by Govt. NPG College of Science, Raipur, served as vice Chairperson of the workshop.

5. Worked on Organizing committee as vice chair person in National Workshop on- Hands on DNA Technologies 8-11 Jan, 13 Department of Botany, Govt. NPG College of Science, Raipur (Vice Chair person) worked as Vice Chair person committee members.

6. Worked as -Incharge Head, Department of Biotechnology (UG) for the session(2012~2013).

- a) Constituted Microbiotech Society for the students.
- b) organized an exhibition on Biotech(8-11 Jan,2013) sponsored by Devleela Biotech
- c) one day education tour for the students to Devleela Biotech 15.01.2013
- d) Organized two days training program me on important biotech practicals related to their syllbus for the student (7-8 feb, 2013)
- e) Persistently tried to develop the department.

Abstract Published (2012- 2015).

1. **V. Kohli and R.Diwan(2013)-** Effect of certain antibiotics & fungicides against *curvalaria lunata* National Seminar on Traditional knowledge and Biotechnology, org. by SOS in Biotechnology, Pt. Ravishankar Shukla University Raipur(C.G.).
2. **Smita Sharma & R. Diwan (2013).** *Ipomoea aquatica* a common leafy vegetable of Chhattisgarh. National Seminar on Traditional knowledge and Biotechnology, org. by SOS in Biotechnology, Pt. Ravishankar Shukla.
3. **Smita Sharma , R. Diwan & S. Uprit (2014).** :Evaluation of Protein Content from Some Medicinally Significant Leafy Vegetable of Chhattisgarh paper presented 6th World Ayurveda Congress 3rd to 7th Nov. New Delhi **Abstract ID : 585.**
4. **Smita Sharma & R. Diwan (2015)** Phytopathological survey of *Amaranthus hybridus*; A popular leafy diet of people of Chhattisgarh. paper presented National Seminar on Radha Bai Navin Kanya College Raipur.
5. **Rashmi Devi Soni and Diwan R. (2015).** Alternaria, a dominant fungal paper presented pathogen of Vigna radiate. National Seminar on Radha Bai Navin Kanya College Raipur.
6. **Rashmi Devi Soni and Diwan R., and Sharma Smita (2015).** Survey, Screening and Isolation of Fungal Pathogens from Certain Leguminous Crops of Chhattisgarh National Seminar on SOS in Biotechnology, Pt. Ravishankar Shukla University Raipur(C.G.).
7. **Sharma, R. Diwan and Rashmi Devi Soni (2015).** Survey and screening of follicolous necrotic fungi from *cassia tora* ; wild leafy vegetable crop of chhattisgarh National Seminar on SOS in Biotechnology, Pt. Ravishankar Shukla University Raipur(C.G.).

8. **Rashmi Devi Soni and Diwan R., and V. Kohali (2016).** Evaluation of Fungal Diversity in Certain Leguminous Crops Of Chattisgarh . National Conference on The Second Chhattisgarh b Congress Of the Zoological Society of Chattisgarh (ZSC)

9. **Sharma, R. Diwan and V. Kohli (2016).** Survey & Isolation of Several Foliar Mycoflora in Some Popular Leafy b Vegetable Crops of Chattisgarh. National Conference on The Second Chhattisgarh b Congress Of the Zoological Society of Chattisgarh (ZSC)

Dr N.B.Singh

Resource person / SubjectExpert :

1. Capacity Building Workshop on Laboratory Techniques and Maintenance (18-20 November, 2015)
2. . Science day function on 12.03.2018 in Govt. D.K. P.G. College, Balodabazar on 13.02.2008)

Chaired/Co Chared sessions in National Seminars/Conferences :

1. In National Conference on “Traditional Knowledge and Biotechnology” (Organized by SOS in Biotechnology, Pt, R.S.U., Raipur from Nov. 22-24, 2013)
2. In 18th National Conference of Indian Aerobiological Society (Organized by TumkurUniversity, Karnataka from Sept. 28-30, 2015)
3. In National Seminar on “Innovations and Prospects in Biotechnology” (Organized by SOS in Biotechnology, Pt, R.S.U., Raipur from January 02-04, 2016)
4. In National Conference on “Prospects in Life Scieees” : Paradigm Shift in Training and Research in Zoological Sciences (02-03 March2016)
5. In XX National Conference on Aerobiology-2018 (Organized by Sant Gadge Baba Amarawati University, Amaravati, Maharastra from Jan. 29-31, 2018)

Research papers presented in Seminars/Conferences :

1. In National Conference on “Traditional Knowledge and Biotechnology” (Organized by SOS in Biotechnology, Pt, R.S.U., Raipur from Nov. 22-24, 2013)
2. In 18th National Conference of Indian Aerobiological Society (Organized by TumkurUniversity, Karnataka from Sept. 28-30, 2015)

3. In 19th National Conference of Indian Aerobiological Society (Organized by Bose Institute, Kolkata from Dec.09-11, 2016)

4. In XX National Conference of Indian Aerobiological Society (Organized by Sant Gadge Baba Amarawati University, Amaravati, Maharashtra from Jan. 29-31, 2018).

Seminar / Conferences Attended :

1. UGC sponsored National Conference on “ Conservation of Economically Important Endangered Plant Species of Chhattisgarh Region” (Organized by Bhilai Mahila Mahavidyalay, Bhilai from 25-26 Oct. 2013).

2. National Seminar on “ Hands on DNA Technologies” (Organized by Govt. Nagarjuna P.G. College of Science, Raipur from 08-1 Jan. 2011).

3. National Conference on “Traditional Knowledge and Biotechnology” (Organized by SOS in Biotechnology, Pt, R.S.U., Raipur from Nov. 22-24, 2013)

4. 18th National Conference of Indian Aerobiological Society (Organized by Tumkur University, Karnataka from Sept. 28-30, 2015)

5. UGC sponsored National Seminar on “ Conservation of Plant Diversity: Global Issues” (Organized by Dr. Radhabai Givt. Naveen Kanya Mahavidyalaya, Raipur from 07 Jan. 2015).

6. National Seminar on “Innovations and Prospects in Biotechnology” (Organized by SOS in Biotechnology, Pt, R.S.U., Raipur from January 02-04, 2016)

7. National Conference on “Prospects in Life Sciences: Paradigm Shift in Training and Research in Zoological Sciences” Organized by Dept. of Zoology, Govt. N.P.G.College of Science, Raipur on 02-03 March 2016.

8. 19th National Conference of Indian Aerobiological Society (Organized by Bose Institute, Kolkata from Dec.09-11, 2016)

9. In XX National Conference on Aerobiology-2018 (Organized by Sant Gadge Baba Amarawati University, Amaravati, Maharashtra from Jan. 29-31, 2018) 29.

Symposium Attended :

1. Symposium Organized by Dept. of Biochemistry, Pt, J.N.M. Medical College, Raipur on 25th July 2013.
2. Symposium Organized by Dept. of Biochemistry, Pt, J.N.M. Medical College, Raipur on 25th July 2014.
3. Symposium Organized by Dept. of Biochemistry, Pt, J.N.M. Medical College, Raipur on 25th July 2015.
4. Symposium Organized by Dept. of Biochemistry, Pt, J.N.M. Medical College, Raipur on 25th July 2016.
5. Symposium Organized by Dept. of Biochemistry, Pt, J.N.M. Medical College, Raipur on 25th July 2017

Workshop Attended

1. Workshop on “ Biotechnological Experiments-Demonstration “ College, Raipur on 25th July 2017.. . RUSA sponsored Workshp on “Quality Education”. Organized by Govt. N.P.G.College of Science, Raipur on June 23, 2015.
2. RUSA sponsored Workshp on “Governance, Leadership and Management”. Organized by Govt. N.P.G.College of Science, Raipur on June 24, 2015.
3. RUSA sponsored Workshp on “Examination Reforms”. Organized by Govt. N.P.G.College of Science, Raipur on June 25, 2015.
4. RUSA sponsored Workshp on “Strategies Development and Deployment to Achieve Acces, Equity and Excellence in Higher System”. Organized by Govt. N.P.G.College of Science, Raipur on June 26, 2015.
5. RUSA sponsored Workshp on “Carries Guidance”. Organized byGovt. N.P.G.College of Science, Raipur on June 27, 2015.
6. “Capacity Building Workshop on Laboratory Techniques and Maintenance”. Organized byGovt. N.P.G.College of Science, Raipur on NOv. 18-20, 2015.
7. RUSA sponsored Workshp on “Strategies and Chalanges in Implementing Extension of Higher Education and Improvement in Quality of Higher Education”. Organized byGovt. N.P.G.College of Science, Raipur on June 20, 2017.

8. RUSA sponsored Workshp on “Examination Reform”. Organized by Govt. N.P.G.College of Science, Raipur on June 24, 2017.

9. National Workshp on “Plagiarism and IPR: A Prime Concern for Academia”. Jointly Organized by Pt. Sunderlal Sharma Library and SOS in Library and Inf. Science, Pt R.S.U. and Govt. N.P.G.College of Science, Raipur on June 24, 2017.

Abstracts Published :

1. Seasonal variations in the Aeromycoflora of *Mentha arvensis* L. Published in Souvenir of 13. 18th National Conference of Indian Aerobiological Society (Organized by TumkurUniversity, Karnataka from Sept. 28-30, 2015).

2. In 19th National Conference of Indian Aerobiological Society (Organized by Bose Institute, Kolkata from Dec.09-11, 2016)

3. Survey of Aeromycoflora Over *Mentha Arvensis* L. Plants During Winter Season in Relation to Meteorological Factores Published in Souvenir Cum Abstract Book of In XX National Conference on Aerobiology-2018 (Organized by Sant Gadge Baba Amarawati University, Amaravati, Maharastra from Jan. 29-31, 2018).

Awards /Prize :3rd prize in poster presentation in 5th National Confernce of Indian Academy of Allergy organised by Bharti Vidyapeth Deemed University, Pune 33.

Guest Lecture Delivered :

1. Topic : Photosynthesis in Govt. College Dongargaon, 2017

2. Topic : Development and Sterilization of Sporogenous Tissues in Bryophytes in Kalyan P.G. College, Bhilai Nagar on 07 April, 2018.

Dr. Sangeeta Bajpai

PAPER PRESENTED /ABSTRACT PUBLISHED/ SEMINAR AND CONFERENCES ATTENDED

1) National symposium on Role of Quality control in health care management, 25 july 2015, Pt. J.N.M. Medical College, Raipur, C.G.

- 2 RUSA sponsored workshop in Quality education, 23 June 2015, Govt. Nagarjuna P.G. College of Science, Raipur, C.G.
- 3 RUSA sponsored workshop in Quality education, 23 June 2015, Govt. Nagarjuna P.G. College of Science, Raipur, C.G.
- 4 RUSA sponsored workshop in Governance, leadership and Management, 24 June 2015, Govt. Nagarjuna P.G. College of Science, Raipur, C.G.
- 5 RUSA sponsored workshop in Examination reforms, 25 June 2015, Govt. Nagarjuna P.G. College of Science, Raipur, C.G.
- 6 RUSA sponsored workshop in Strategies development and deployment to achieve access equity and excellence in higher system, 26 June 2015, Govt. Nagarjuna P.G. College of Science, Raipur, C.G.
- 7 RUSA sponsored workshop in Career Guidance, 27 June 2015, Govt. Nagarjuna P.G. College of Science, Raipur, C.G.
- 8 National seminar on Conservation of plant diversity: Global issues, 7 August 2015, Dr. Radhabai Govt. Navin kanya Mahavidyalaya, Raipur, C.G.
- 9 National seminar on Food pesticides and consequent health hazards, 8 August 2015, Dr. Radhabai Govt. Navin kanya Mahavidyalaya, Raipur, C.G.
- 10 Capacity Building Workshop on Laboratory techniques and Maintenance, 18-20 November 2015, Govt. Nagarjuna P.G. College of Science, Raipur, C.G.
11. National Semiar on Enhancement Strategies in Quality Education and Research, 27-28 November, Govt. Nagarjuna P.G. College of Science, Raipur, C.G.
12. National conference on Prospects in Life Science: Paradigm Shift in Teaching and research in Zoological Sciences, 2-3 March 2016, Govt. Nagarjuna P.G. College of Science, Raipur, C.G.
13. National Symposium on Genetic basis of Haematological Disorders with pecial Emphasis on Sickle cell Disease, 25-26 July 2017, Pt. J.N.M. Medical College, Raipur, C.G.

Paper presented and abstract published

- 1. Bajpai, S., Sharma, A.K. and Kanungo, V.K., 2015.** Canopy architecture of plants in home gardens of Raipur Disctrict. National seminar on conservation of plant diversity; global Issue, 7 August 2015, Dr. Radhabai Govt. Navin kanya Mahavidyalaya, Raipur, C.G.
- 2. Sharma, A.K ,Bajpai, S., and Kanungo, V.K., 2016.** Diversity of plants in urban homegardens of Raipur , chhattisgarh, National conference on Prospects in Life Science: Paradigm Shift in Teaching and research in Zoological Sciences, 2-3 March 2016, Govt. Nagarjuna P.G. College of Science, Raipur, C.G.
- 3. Sharma, A.K. , Bajpai, S., and Kanungo, V.K., 2016.** Floristic composition of urban homegardens of Raipur, Chhattisgah. 2-4 January 2016, National seminar on Inn. And

pros. Biotechnology, Pt, R.S.S. U. Raipur.

DR V K Kanungo

SEMINAR AND CONFERENCES ORGANIZED AS A CONVENER/ORGANIZING SECRETARY/MEMBER OF ORGANIZING COMMITTEE

1. Organizing Secretary of Workshop on Governance, Leadership and Management ,24th June 2015,organized by Govt. N.P.G.College of Science, Raipur.
2. Organizing Secretary of Workshop on Laboratory Techniques and Maintenance, 18-20 November 2015, Govt. N.P.G. College of Science, Raipur.
3. Organizing Secretary of National Seminar on Enhancement strategies in quality Education and Research,November 27-28, 2015. Govt. N.P.G. College of Science, Raipur.
4. Organizing Secretary of Workshop on Strategies and challenges in implementing extension of Higher Education and improvement in quality of Higher education,,20th June 2017,organized by Govt. N.P.G.College of Science, Raipur.
5. Co-ordinator Six one day Workshop and Training program on Quality in Higher Education: Challenges and Strategies, 20th -27th June 2017,organized by Govt. N.P.G.College of Science, Raipur.

INVITED TALK DELIVERED AS A RESOURCE PERSON IN SEMINAR AND CONFERENCES

1. Invited talk delivered on Biodiversity conservation at National Seminar on Conservation of plant Diversity: Global Issues, 7th August, 2015.Radha Bai Naveen KanyaMahavidyalaya ,Raipur.
2. Invited talk delivered on Ethnobotany in relation to health security in District Bastar of Chhattisgarh, at National conference on Modern life science Perspective and Prospects, 4-5 December, 2015. Government College ,Bhakhara.
3. Invited talk delivered on Species composition and phytochemistry of some abundantly growing plants of family Asteraceae in Raipur, Chhattisgarh, at National seminar on Present Scenario in phytomicrobial aspects beneficial to mankind,27-28 January,2017,Govt. W.W. Patankar Girls P.G. college, Durg, C.G.
4. Invited talk delivered on Sulphur metabolism-Transport and Synthesis In Botany Department, Govt. D.B.Girls P.G. College, Raipur, on 28th March 2018.

PAPER PRESENTED /ABSTRACT PUBLISHED/ SEMINAR AND CONFERENCES ATTENDED

Symposium on role of Bioinformatics in Medicine, 25thJuly ,2013, organized by Pt. J.N.M. Medical college, Raipur.

1. National seminar on Conservation of economically important endangered plant species of Chhattisgarh region, 25-26th October, 2013, organized by Bhilai Mahila Mahavidyalaya, Bhilai,
2. National seminar on Library initiatives in digital era, 26-27th October 2013. Organized by Govt. Nagarjuna P.G. College of science, Raipur.
3. National conference on Traditional knowledge and Biotechnology, 22-24 November, 2013, organized by SOS in Biotechnology, Pt. Ravishankar Shukla University, Raipur.
4. Symposium on Digital Medicine, 25th July, 2014, organized by Pt. J.N.M. Medical college, Raipur.
5. Skill development and Environmental protection programme, 8-14th October, 2014, organized by Government Nagarjuna P.G. College of Science, Raipur.
6. Workshop on quality Education, 23rd June 2015, organized by Govt. N.P.G. College of Science, Raipur.
7. Workshop on Governance, Leadership and Management, 24th June 2015, organized by Govt. N.P.G. College of Science, Raipur.
8. Workshop on Examination Reforms, 25th June 2015, organized by Govt. N.P.G. College of Science, Raipur.
9. Workshop on Strategies development and deployment to achieve access, quality and excellence in higher education system, 26th June 2015, organized by Govt. N.P.G. College of Science, Raipur.
10. Workshop on Career guidance, 27th June 2015, organized by Govt. N.P.G. College of Science, Raipur.
11. National Symposium on Role of quality control in Health care management, 25th July, 2015, organized by Pt. J.N.M. Medical college, Raipur.
12. National seminar on Conservation of plant diversity: global issues, 7th August, 2015, organized by Dr. Radhabai Govt. Naveen Kanya Mahavidyalaya, Raipur.
13. Workshop on Laboratory Techniques and Maintenance, 18-20 November, 2015, organized by Govt. N.P.G. College of Science, Raipur.
14. National seminar on Enhancement strategies in quality education and Research, 27-28th November, 2015, organized by Govt. N.P.G. College of Science, Raipur.
15. National conference on Modern life science Perspective and Prospects, 4-5 December 2015. Organized by Government College, Bhakhara.
16. National Seminar on Innovations and Prospects in Biotechnology, January 2-4, 2016, organized by S.O.S. in Biotechnology, Pt. R.S. University, Raipur.

- 17 National conference on Prospects in Lifesciences: Paradigm shift in teaching and research in Zoological sciences, March 2-3, 2016. Govt. N.P.G. College of Science, Raipur.
- 18 National Symposium on Genetic basis of Haematological disorders with special emphasis on Sickle cell disease, 25th & 26th July, 2016, organized by Pt. J.N.M. Medical college, Raipur.
- 19 National seminar on Advances in Environmental science & Technology, January 23-24, 2017, Organised by Govt. Digvijay Autonomous P.G. college, Rajnandgaon, C.G.
- 20 National seminar on Present Scenerio in phytomicrobial aspects beneficial to mankind, 27-28 January, 2017, Govt. W.W. Patankar Girls P.G. college, Durg, C.G.
- 21 Workshop on Quality in Higher education, Challenges and Strategies, 20th to 27th June 2017, Govt. N.P.G. College of Science, Raipur, C.G.
22. National Symposium on Quality management in Laboratory investigations and Haematological disorders, 25th July, 2017, organized by Pt. J.N.M. Medical college, Raipur. C.G.
23. Workshop on Science and Technology for Harnessing Natural resources towards Sustainable development, March, 2018, Radha Bai Navin Kanya Mahavidyalaya, Raipur, C.G.
24. National Seminar on Recent trends in Library Services, 01st June, 2018, Govt. N.P.G. College of Science, Raipur, C.G.
- 25 National Workshop on Plagiarism and IPR, 02nd and 3rd June, 2018, Govt. N.P.G. College of Science, Raipur, C.G.

Dr. Suneeta Patra

Workshop Attended:

International: -01

1. Grant training and collaboration workshop, 23rd February 2017, under the guidance of Lawrence M. Scheier, Ph.D., and Dr. Betty S. Pace, M.D., Bhubaneswar, Odisha.

National: Duration one week

1. Hands on workshop on Bioinformatics in medical sciences, 25-31 JULY 2014, Dept. of Biochemistry, Pt. J.N.M. Medical College, Raipur (C.G.)
2. Hands on Workshop on Genome to Drug : in silico analysis 25-31 January 2016, Dept. of Biochemistry, Pt. J.N.M. Medical College, Raipur (C.G.)
3. Skill development programme & environmental protection programme 8-14 October 2014, Dept. of Botany, Govt. N.P.G. College of science, Raipur, C.G.

Other workshops

1. Workshop on quality education, RUSA sponsored, Govt. N.P.G. College of science, Raipur, C.G. 23-06-2015
2. Workshop on Governance, Leadership, & management, RUSA sponsored, Govt. N.P.G. College of science, Raipur, C.G. 24-06-2015
3. Workshop on Examination reform, RUSA sponsored, Govt. N.P.G. College of science, Raipur, C.G. 25-06-2015
4. Workshop on, Strategies development and deployment to achieve access, equality and excellence in higher system USA sponsored, Govt. N.P.G. College of science, Raipur, C.G. 26-06-2015
5. Workshop on, Career Guidance, RUSA sponsored, Govt. N.P.G. College of science, Raipur, C.G. 27-06-2015
6. Capacity building workshop on laboratory techniques & maintenance, 18-20 November 2015, Govt N.P.G. College of Science, Raipur, C.G.
7. Nikon school workshop for basics of DSLR camera, organized by Nikon India Pvt.Ld., Date-10-12.2016
8. Nikon school workshop Photo walk, organized by Nikon India Pvt.Ld., Date-11-12.2016
9. Strategies and challenges in Implementing Extension of Higher Education and Improvement in Quality of Higher Education. Govt. N.P.G. College of science, Raipur, C.G. 20-06-2017
10. Road map of Quality Enhancement, Govt. N.P.G. College of science, Raipur, C.G. 21-06-2017.
11. Examination reform, Govt. N.P.G. College of science, Raipur, C.G. 22-06-2017
12. Strategies and challenges in Implementing Semester system and choice based credit (CBCS) system, Govt. N.P.G. College of science, Raipur, C.G. 23-06-2017.
13. Collection of data, analysis and report preparation, Govt. N.P.G. College of science, Raipur, C.G. 24-06-2017.
14. Capacity building in higher education: Use of Library resources, Govt. N.P.G. College of science, Raipur, C.G. 27-06-2017.
15. National sickle cell update and workshop, Department of medicine and biochemistry, CIMS, Bilaspur in collaboration with Dr. Bose memorial sickle care center Bilaspur (C.G.), 9.3.2018
16. State level workshop on Science and technology for harnessing natural resources towards sustainable development, Dr. Radhabai Govt. Navin kanya Mahavidyalaya, Raipur (C.G.), March 10, 2018

Resource person –

Capacity building workshop on laboratory techniques & maintenance, 18-20 November 2015, Govt N.P.G. College of Science, Raipur, C.G.

Invited Talks/Guest Speaker

1. Basics of stem cell, National CME on biochemical aspects of inborn error of metabolism, 17 January 2015 & 2nd AMBICON Chhattisgarh state chapter, Dept. of Biochemistry, Late Shri Lakhiram Agarwal memorial medical college, Raigarh C.G.
2. GM Food, CGCOST, Science center Raipur C.G.
3. Chair person- National seminar on Innovation & prospects in Biotechnology, 2-4 January 2016, SOS in Biotechnology, PT.R.S.U. Raipur, C.G.
4. Guest faculty - 3rd Global congress on sickle cell disease, Odisha hematology and Global sickle cell disease network, 21st-24th February -2017, Bhubaneshwar.

5. Invited speaker – Behavioral Impact of animals and microorganisms on Human life and their environment, Interdisciplinary national seminar on 3-4 February 2017, Dept. of Zoology, Govt. Dr.W.W. Patankar Girls' P.G. College, Durg, C.G.
6. Guest Speaker – Stem cells, National CME on Stems cell & its application, 12th April 2017, Dept.of Anatomy, Raipur Institute of Medical Science, Gram – Gondhi, Raipur
7. Guest speaker- ZSC 3rd National conference on Prospects of Innovation in Life sciences and Socio economic challenges, 2-3 Dec. 2017, Dept. of Zoology CMD P.G. College, Bilaspur, C.G.

Others

Counselor of Food Microbiology in IGNOU, M.Sc. DFSM Course.

Workshop Organized

1. Nikon Institutional workshop Science college, Raipur, C.G. Date-2-3-2107, No. of student participants of P.G. Classes – 46

Abstract submission in various international/national seminar/conferences

1. P. Jha, Dr. P.K.Patra, **Dr.S. Patra** , Isolating/In vitro culturing the hematopoietic stem cells of neonates having sickle cell disease and sickle cell trait and testing the effectiveness of novel growth factors from different sources, National CME on biochemical aspects of inborn error of metabolism , 17 January 2015 , Dept. of Biochemistry, Late Shri Lakhiram Agarwal memorial medical college, Raigarh C.G.
2. Deepti Chauhan , A.K. Shrivastava and **Suneeta Patra**, Herbal folk remedies used in treatment of Gynecological disorders by tribal Chattisgarh, National seminar on conservation of plant diversity: Global issues, 07 -08-2015, Department of Botany, Dr. Radha bai Govt. Naveen Kanya Mahavidyalaya, Raipur, C.G.
3. Bhandari Anju, Chauhan Deepti , **Patra Suneeta**, Study of Phytodiversity of Bhilai Mahila Mahavidyalaya campus of Durg district, National seminar on conservation of plant diversity: Global issues, 07 -08-2015, Department of Botany, Dr. Radha bai Govt. Naveen Kanya Mahavidyalaya, Raipur, C.G.
4. Seema Sahu, Dr. K. Sharma ,**Dr.Suneeta Patra**, Fungal diversity in leaf surface of *Hibiscus Sabdariffa* (Roselle), National seminar on conservation of plant diversity: Global issues, 07 -08-2015, Department of Botany, Dr. Radha bai Govt. Naveen Kanya Mahavidyalaya, Raipur, C.G.
5. C.Chaturvedi, **S.Patra**, Effect of extracts of *Tinospora cordifolia* on *in vitro* culture of lymphocyte, National Seminar on Innovations and prospects in Biotechnology, January 2-4 2016, School of Studies in Biotechnology.
6. P.Bansode, **S.Patra** and A.K.Shrivastava , Ethnobotanical uses of some plants in tribal people of Mhla-Manpur, Distt. Rajnandgaon, Chhattisgarh, National Seminar on Innovations and prospects in Biotechnology, January 2-4 2016, School of Studies in Biotechnology, Pt RSU Raipur C.G.
7. A.K.Shrivastava, **S.Patra**, and A.Tikariha, Uses of weeds as medicines in Durg district of Chhattisgarh, National Seminar on Innovations and prospects in Biotechnology, January 2-4 2016, School of Studies in Biotechnology, Pt RSU Raipur C.G.
8. **S.Patra**, A.Tikariha and A.K.Shrivastava, Phytosociological analysis of weeds in Durg district of Chhattisgarh, National Seminar on Innovations and prospects in Biotechnology, January 2-4 2016, School of Studies in Biotechnology, Pt RSU Raipur C.G.

9. Seema Sahu, Dr. K. Sharma, **Dr. Suneeta Patra**, Seasonal variation in leaf surface mycoflora of *Hibiscus Sabdariffa* (Roselle), National Seminar on Innovations and prospects in Biotechnology, January 2-4 2016, School of Studies in Biotechnology, Pt RSU Raipur C.G.
10. A.Tikariha A.K.Shrivastava, **Suneeta Patra**, Phytosociological analysis of weeds in Durg district of Chhattisgarh, National conference on “ Prospects in life sciences: Pardigm shift in teaching and research in Zoological Sciences”.& The second Chhattisgarh congress of the Zoogical Society of Chhattisgarh (ZSC), March 2-3 2016, Dept. of Zoology, Govt. N.P.G.College of Science, Raipur, C.G
11. Anju Bhandari, **Suneeta Patra**, Kavita Das Herbal plants and it's beneficial uses for human health, National conference on “ Prospects in life sciences: Pardigm shift in teaching and research in Zoological Sciences”.& The second Chhattisgarh congress of the Zoogical Society of Chhattisgarh (ZSC), March 2-3 2016, Dept. of Zoology, Govt. N.P.G.College of Science, Raipur, C.G .
12. Deepti Chauhan , A.K. Shrivastava and **Suneeta Patra**, Biodiversity of Ethnomedicinal plants and their use in Balod district of Chhattisgarh state, National conference on “ Prospects in life sciences: Pardigm shift in teaching and research in Zoological Sciences”.& The second Chhattisgarh congress of the Zoogical Society of Chhattisgarh (ZSC), March 2-3 2016, Dept. of Zoology, Govt. N.P.G.College of Science, Raipur, C.G .
13. Amit Kumar and **Suneeta Patra**, Standardization of *in vitro* propagation method for *Madhuca latifolia*, roxb. National conference on “ Prospects in life sciences: Pardigm shift in teaching and research in Zoological Sciences”.& The second Chhattisgarh congress of the Zoogical Society of Chhattisgarh (ZSC), March 2-3 2016, Dept. of Zoology, Govt. N.P.G.College of Science, Raipur, C.G .
14. Indu Soni, **Suneeta Patra** and Preeti Tiwari, Aerobiological survey of outdoor environment in railway station of Bilaspur Chhattisgarh, India, National conference on “ Prospects in life sciences: Pardigm shift in teaching and research in Zoological Sciences”.& The second Chhattisgarh congress of the Zoogical Society of Chhattisgarh (ZSC), March 2-3 2016, Dept. of Zoology, Govt. N.P.G.College of Science, Raipur, C.G .
15. Mr. Vishal Khare, **Dr. sunita Patra**, Dr P.K.Patra & Mr. Arpan Dey, “Comparative study of antibiotics resistance against *Pseudomonas aeruginosa* respiratory tract infection in Chhattisgarh, National symposium on Genetic basis of hae matological disorders with special emphasis on sickle cell disease, 25-26 July 2016, Dept of Biochemistry and Pt. Deendayal Upadhyay regional center for genetic diseases and molecular biology, Pt. J.N.M. Medical college Raipur, C.G.
16. **Dr. Suneeta Patra**, Anju Bhandari and Dr.P.K.Patra, Antisickling study of the aqueous extracts of *Tinospora cardifolia* and *Terminalia bellirica*, 3rd Global congress on sickle cell disease, Odisha hematology and Global sickle cell disease network, 21st-24th February - 2017, Bhubaneshwar.
17. **Patra S.** Shrivastava A. and A.Tikariya, Biodiversity and Ethnomedicinal uses of weeds, 3rd National conference on Prospects of Innovation in Life sciences and Socio economic challenges, 2-3 Dec. 2017, Dept. of Zoology CMD P.G. College, Bilaspur, C.G.

24. Seminar / Conferences attended

International - 9

1. 3rd Global congress on sickle cell disease, Odisha hematology and Global sickle cell disease network, 21st-24th February -2017, Bhubaneswar

National: -

1. National CME on biochemical aspects of inborn error of metabolism , 17 January 2015 , Dept. of Biochemistry, Late shri lakhiram Agarwal memorial medical college, Raigarh C.G.
2. National symposium on Digital medicine, 25 July 2014, Dept. of Biochemistry, Pt. J. N.M. Medical College, Raipur, C.G.
3. National symposium on role of quality control in health care management, 25 July 2015, , Dept. of Biochemistry, Pt. J. N.M. Medical College, Raipur,C.G.
4. National seminar on conservation Of plant diversity: Global issues, 7 August 2015, Dr. Naveen Kanya Mahavidyalaya, Raipur, C.G.
5. National seminar on Food pesticides and consequent health hazards, 8 August 2015, Dr. Naveen Kanya Mahavidyalaya, Raipur, C.G.
6. National seminar on Enhancement strategies in quality education and research, 27-28 November 2015, Govt. N.P.G. College of Science, Raipur,C.G.
7. National conference on modern life science- perspective and prospects,4-5 December 2015,Govt. college Bhakhara, Dist. Dhamtari C.G.
8. Genetic basis of haematological disorder with special reference on sickle cell disease,25-26 July 2016, Dept. of Biochemistry, Pt. J. N.M. Medical College, Raipur, C.G.
9. National seminar on Innovation & prospects in Biotechnology, 2-4 January 2016, SOS in Biotechnology, PT.R.S.U. Raipur, C.G.
10. National conference on Prospects in life sciences; Paradigm shift in teaching and research in Zoology sciences, 2-3 March 2016,Dept of Zoology, Govt. N.P.G. College of science, Raipur, C.G.
11. National conference on Conservation of medicinal plants: Conventional and modern approaches,16-18 march 2016, Tej Narayan Banalli College, Bhagalpur, Dept. of Home science,-Food and nutrition T.M. Bhagalpur University, Bhagalpur
12. XXVII Annual Conference, North East Regional Chapter, Indian Association of Pathologist & Microbiologists, NERCON 2K16, 10-11 September 2016, Agartala Govt. Medical College, Agartala , Tripura.
13. National symposium on Quality management in laboratory investigations and heamatological disorders, 25 July 2017, Pt. Deendayal Upadhayay center for Gnetic diseases and Molecular Biology, Dept. of Biochemistry,Pt. J. N.M. Medical College, Raipur,C.G.
14. State level workshop on “Science and technology for harnessing natural resources towards sustainable development” March 10, 2018, Dr. Radhabai Govt. Navin Kanya Mahavidyalaya, Raipur, (C.G.)
15. National seminar on Recent trends in library services jointly organised by Pt. Sunderlal Sharma library & SOS in library & Info. Science, Pt.RSU, Raipur, C.G. and Govt. N.P.G. P.G.College of Science, Raipur, C.G.,1 June 2018

CHEMISTRY

Departmental Profile

1. Name of the Department- Chemistry

2. Year of Establishment – UG- 1948

PG - 1956

3. Infrastructure-

(a) Class-Rooms available –No separate class-room for PG students.

(b) Laboratories – Numbers and Covered area in Sqft.

Name of Laboratory	Number	Covered area in Sqft.
B.Sc. I st year Lab	01	60'26
B.Sc. II nd & III rd Year Lab	01	60'26
M.Sc. Prev. Lab	01	45'26
M.Sc. Final Lab	02	45'26, 45'26
Instrumentation Lab	01	45'26
Balance Room	01	35'26
Head room	01	33'26
Staff room	01	45'26
Departmental Library	01	33'26

(c) List of Equipments Working Lab wise:

S. No.	Name of Instruments/Equipments	Number		Total Number
		UG Lab	PG Lab	
1.	Spectrophotometer (Dual Display)	-	4	4
2.	Digital pH meter	-	2	2
3.	Potentiometer	1	1	2
4.	Conductometer	1	1	2
5.	Digital Balance	-	5	5
6.	Melting Point Apparatus	2	3	5
7.	Fire Extinguisher	6	4	10
8.	Thermometer (360°C)	30	20	50
9.	Oven	1	1	2
10.	Glass Distillation Unit	1	2	3
11.	Deep Freezer	-	1	1
12.	Thermostat	1	1	2
13.	Magnetic Stirrer	-	2	2

14.	Turbid Meter	-	2	2
15.	Nephelometer	-	2	2
16.	Polarimeter	-	2	2
17.	Vacuum Pump	-	4	4
18.	Steam Generator	-	5	5
19.	Electric Burner	-	10	10

(d) Details of Departmental Library:

Year	Books Purchased	Journal		CD's	e-resources Subscribed	e-journal Subscribed	Thesis
		National	International				
2013-14	40	Nil	Nil	Nil	Nil	Nil	Nil
2014-15	20	Nil	Nil	Nil	Nil	Nil	Nil
2015-16	11	Nil	Nil	Nil	Nil	Nil	Nil
2016-17	20	Nil	Nil	Nil	Nil	Nil	Nil
2017-18	20	Nil	Nil	Nil	Nil	Nil	Nil

4. Courses offered:

Year	Courses		Intake			Actual enrolment			New courses offered
	UG	PG	UG	PG	Ph. D	UG	PG	Ph. D	
2013-14	B.Sc	M.Sc	1747	20	2	1747	20	2	Nil
2014-15	B.Sc	M.Sc	1873	20	1	1873	20	1	Nil
2015-16	B.Sc	M.Sc	2051	20	2	2051	20	1	Nil
2016-17	B.Sc	M.Sc	1943	20	1	1943	20	1	Nil
2017-18	B.Sc	M.Sc	2092	20	3	2092	20	3	Nil

5. Faculty Strength:

No. of Teachers Available	Year				
	2013-14	2014-15	2015-16	2016-17	2017-18
Promoted Professors	05	02	02	02	02
Assistant Professors	06	05	03	04	10
Regular	11	07	05	06	12
Adhoc	Nil	Nil	Nil	Nil	Nil
Contractual	Nil	Nil	Nil	Nil	Nil
Guest faculty	05	05	07	07	02
Visiting Faculty	Nil	Nil	Nil	Nil	Nil

Annexure

List of Faculty: Enclosed in Annexure-I (Attached)

S. No.	Name	Designation	Qualification	Pay	Total experiences	No. of years in the college

6. Sanctioned, working strength and Vacant position (Faculty)

Category	Year	Sanctioned				Working				Vacant			
		Prof.	Promoted Prof.	Asstt. Prof.	Total	Prof.	Promoted Prof.	Asstt. Prof.	Total	Prof.	Promoted Prof.	Asstt. Prof.	Total
Regular	2013-14	01	-	15	16	-	05	06	11	01	-	04	05
	2014-15	01	-	15	16	-	02	05	07	01	-	08	09
	2015-16	01	-	15	16	-	02	03	05	01	-	10	11
	2016-17	01	-	15	16	-	02	04	06	01	-	09	10
	2017-18	01	-	15	16	-	02	10	12	01	-	03	04
Contract basis	2013-14	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	2014-15	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	2015-16	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	2016-17	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	2017-18	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

7. Qualification of Faculty

Category	Year	No. of Ph.D.	No. of M.Phil	Other (NET/SET)
Regular	2013-14	11	---	---
	2014-15	07	---	01
	2015-16	05	---	02
	2016-17	06	---	02
	2017-18	10	---	05
Contract basis	2013-14	---	---	---
	2014-15	---	---	---
	2015-16	---	---	---
	2016-17	---	---	---
	2017-18	---	---	---

8. Non Teaching Staff-

	2013-14			2014-15			2015-16			2016-17			2017-18		
	Sanctioned	Working	Vacant	Sanctioned	Working	Vacant	Sanctioned	Working	Vacant	Sanctioned	Working	Vacant	Sanctioned	Working	Vacant
<u>Lab-Technician</u>	<u>04</u>	<u>04</u>	-	<u>04</u>	<u>04</u>	-	<u>04</u>	<u>04</u>	-	<u>04</u>	<u>04</u>	-	<u>04</u>	<u>03</u>	01
<u>Lab attended</u>	<u>05</u>	<u>03</u>	02	<u>05</u>	<u>03</u>	02	<u>05</u>	<u>03</u>	02	<u>05</u>	<u>03</u>	02	<u>05</u>	<u>03</u>	02
<u>Peon</u>	<u>02</u>	<u>01</u>	-	<u>02</u>	<u>01</u>	-	<u>02</u>	<u>01</u>	-	<u>02</u>	<u>01</u>	-	<u>02</u>	<u>01</u>	-

9. Research Profile: (Details Attached)

Year	Research Publication	Research projects	Seminar/conference/ workshop/ synopsis	Other research and consultancy related activity
2013-14	02	-	03	Nil
2014-15	05	-	04	Nil
2015-16	07	01	06	Nil
2016-17	05	01	08	Nil
2017-18	34	-	30	Nil

- Research Publication: Enclosed in Annexure-II (Attached)

S. No.	Name	Year	Title	Name of Journal	Volume	Page no.
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- Research Project:

S. No.	Name	Year	Title of the project	Funding agency
01	Dr. Deepak Sinha	2 Years (2015-2017)	Long Term Measurement of PM10 & PM 1.25 its Impact evaluation.	Chhattisgarh Environment Conservation Board (CECB) Raipur,
02	Dr. Deepak Sinha	2 Years (2016-2018)	Quality Checks of the Data and Instruments Working at Air Quality Monitoring Stations in Raipur City. (Team Member)	Chhattisgarh Environment Conservation Board (CECB) Raipur,

- Seminar/ Conference/ Workshop/ Symposia Organized:

Name of the Department	Year	Title of the Seminar/Workshop	Funding agency
Chemistry	2015-16	“Enhancement strategies in quality education and research”.	NAAC, Bangaluru & CCOST, Raipur
		“Laboratory techniques & maintenance”	RUSA
Chemistry	2016-17	“Road map of quality enhancement and expansion of higher education in Raipur district in forthcoming three years.”	RUSA

10. Teaching learning methods adopted by the department List the methods.

- Chalk and talk method (All teachers).
- Teaching with help of PPT (A few teachers).

11. Achievements of students: Enclosed in Annexure-III (Attached)

Year	Examination	Co curricular activities	Extracurricular activities
2013-14			
2014-15			
2015-16			
2016-17			
2017-18			

12. Achievements of Teacher. Enclosed in Annexure-IV (Attached)

Year	Achievement of Teachers	Enclose Details Separately
2013-14		
2014-15		
2015-16		
2016-17		
2017-18		

13. Research scholars enrolled/ Ph. D. Awarded:

Year	Name of Supervisor	Research Scholars enrolled	Research completed & Ph.D. awarded	Thesis Submitted
2013-14	Dr. S.K. Rajput	-	01	01
	Dr. S.K. Chatterjee	01	-	01
2014-15	Dr. K. K. Tiwari	01	-	-
	Dr. S.K. Chatterjee	-	01	01
2016-17	Dr. S.K. Chatterjee	01	02	03
	Dr. S.K. Rajput	-	-	01
	Dr. D. Sinha	03	-	-
2017-18	Dr. S.K. Chatterjee	02	01	02
	Dr. S.K. Rajput	-	01	01
	Dr. D. Sinha	01	-	-
	Dr. K. K. Tiwari			01

Annexure enlist separately. Enclosed in Annexure-V (Attached)

Name of Supervisor	Title of the Research	Year of Registration	Year of Completion/ Ph.D. awarded

14. Board of studies Meeting:

Year	Date of meeting	Resolution passed	Remarks
2013-14	15.03.2014		
2014-15	05.03.2015	<ul style="list-style-type: none"> Advised for industrial visit & project work 	
2015-16	05.07.2016	<ul style="list-style-type: none"> IIIrd Paper of SEM-I & Ist Paper of SEM-II reframe & changed. Numerical based question paper should be asked & mentioned in syllabus To start CBCS in PG 	
2016-17	13.05.2017	<ul style="list-style-type: none"> Started credit system in PG result Discuss on MCQ in M.Sc. 1st SEM Start diploma/degree course in fire safety To start health, safety & in environment (add on course/ certificate course) Industry based syllabus reframe 	
2017-18	27.04.2018	<ul style="list-style-type: none"> Add more number of practical's in physical & analytical chemistry Project work in M.Sc. should be started 	

15. Selection of students for admission:

Year	Total application received		Admission given to candidate of minimum % on merit	
	UG	PG	UG	PG
2013-14		197		51
2014-15		200		59
2015-16		150		60
2016-17		170		54
2017-18		250		57

16. Selection of contract appointment of teachers: NA

Year	No. of Posts vacant	Application received	Appointment given to candidate on merit
2013-14			
2014-15			
2015-16			
2016-17			
2017-18			

17. Extension activities done by the Department- Enclosed in Annexure-VI (Attached)

Year	Name of extension activity	Target group	Funds received from
2013-14			
2014-15			
2015-16			
2016-17			
2017-18			

18. Facilities of recreation activities-

List of facilities available with the Department

Year	Recreation facilities developed	Funds received from
2013-14	Nil	Nil
2014-15	Nil	Nil
2015-16	Nil	Nil
2016-17	Nil	Nil
2017-18	Nil	Nil

19. Innovative reforms of the Department-

List of innovative practices under way in the department

Year	Innovative reforms taken	Target group	Impact of reform
2013-14	Nil	-	-
2014-15	Nil	-	-
2015-16	To start small garden in front of chemistry deptt.	Develop greenery to reduce hazardous	Its developing
2016-17	Continued	Chemicals which comes out from the	-
2017-18	Continued	Labs.	-

20. Achievements of the Department-




S. No.	Items	Status before autonomy	Status at present
1	UG intake	Same	Same
2	PG intake	20	20
3	UG Programmes	B.Sc.	B.Sc.
4	PG Programmes	M.Sc.	M.Sc.
5	M.Phil/ Ph.D.	Ph.D.	Ph.D.
6	Research publication	Yes, it keeps on going before and after autonomy.	Yes
7	Research projects	No	Yes
8	Organizing seminar/ Conferences	Yes organized	Yes organized
9	Attending seminar/ conference	Yes	Yes




10	Extension activities	Yes, department organized	Yes, continued
11	Consultancy	No	No
12	Faculty	-	-
13	Faculty with Ph.D.	Yes, all are Ph.D. holder	Yes, 90% are Ph.D. holder
14	Infrastructure	Yes	Yes, renovated UG lab (02) & PG lab (02)
15	Library	Yes	Yes
16	Result analysis	Yes, it is gradually progressing	Yes, it is gradually progressing
17	Placement	-	-
18	Any other	-	-




DEPARTMENT OF CHEMISTRY

Faculty-Profile



Photo (passport size) (JPEG/JPG)	Name	Designation	Highest Qualification	Specialization	Contact Number	E-mail	Profile attach with pdf
	Dr. Shipra Verma	Professor	M.Sc. Ph.D	Inorganic	9826674810	shiprakash25@gmail.com	
	Dr. Shobhana Upadhyay	Professor	M.Sc. Ph.D	Physical	9425203227	shobhanaupadhyay5768@gmail.com	
	Dr. S.K. Patle	Professor	M.Sc., Ph.D.	Physical	9424226611	patlesk1966@gmail.com	
	Dr. Paresh Chandra Sharma	Asst. Prof.	M.Sc. Ph.D	Inorganic	9424217317	pareshsharma17@gmail.com	




	Dr. Sanjay Ghosh	Asst. Prof.	M.Sc. Ph.D	Physical Environmental	7587362526	drsanjayghosh@yahoo.com	
	Dr. Deepak Sinha	Asst. Prof.	M.Sc. Ph.D	Inorganic	9425290603	drsinha333@gmail.com	
	Dr. AnjuJha	Asst. Prof.	M.Sc. Ph.D	Analytical Environmental	8827819316	anjujha.auish@gmail.com	

	Dr. Ravi Banjare	Asst. Prof.	M.Sc. Ph.D	Analytical	999380620	ravibanjare110@gmail.com	
	Dr. Vinod Jena	Asst. Prof.	M.Sc. Ph.D	Physical	9617656388	Jenavinod@gmail.com	
			Net				
	Dr. Saroj Sharma	Asst. Prof.	M.Sc. Ph.D	Inorganic	9685153536	ssharmagr8@gmail.com	

	Dr. Shwetakumbha j	Asst. Prof.	M.Sc. Set	Organic	8286265880	shweta11@redifmail.com	
	Ku. MitishaBaid	Asst. Prof.	M.Sc. Net	All Subject	9770993871	baidmitisha@gmail.com	
	Ku. SarabjotkaurM akkad	Asst. Prof.	M.Sc. Net	All Subject	7875391422	sarabjot31@gmail.com	

DETAILS OF NON-TECHNICAL STAFF

Photo (passport size) (JPEG/JPG)	Name	Designation	Highest Qualification	Specialization	Contact Number	E-mail	Profile attach with pdf
	JitendraBaghel	Lab Technician	M.Sc., B.Ed.	Zoology	8718849964		
	B.R. Gosai	Lab Technician	B.Sc. (CBZ)		9329837446		
	DhanusdhariSahu	Lab Technician	B.Sc.	Maths	9826137954	Dhanushdharisahu6370@gmail.com	
	NarrotamKashyap	Lab Attended	M.A., SET	Hindi	9981847745	narottamkashyap@gmail.com	

	Dineshwer Dhruw	Lab Attended	Higher Secondary		9165526322	Dineshwar1708@gmail.com	
	Durga Chouhan	Lab Attended	B.Sc. (CBZ)		9753123587	Durgachouhan16@gmail.com	
	Yashwant Das	Lab Attended	B.A.		9407940169		

DEPARTMENTAL RESEARCH REPORT (CHEMISTRY)

01— भोधकार्योकाविवरणवर्ष 2013—2018 (write in numbers)

विभागकानाम	वर्ष	पंजीकृत भोध सुपरवाइजर	पंजीकृत भोधार्थीयो की संख्या	कार्यरत भोधार्थीयो की संख्या	प्रकाशित भोध पत्रों की संख्या	प्रकाशित अन्य	भोध ग्रंथवि. वि. मेंजमा	पी. एच. डी. प्रदत्त	परियोजनाकार्यस्वीकृत	परियोजनारिपोर्टजमा
Chemistry	2013-14	Dr. S.K. Chatterjee	02	02	-	-	-	-	-	-
		Dr. Deepak Sinha			04	-				
	2014-15	Dr. S.K. Chatterjee	-	-	-	-	01	01	-	-
		Dr. K.K. Tiwari	01	01	-	-	-	-	-	-
	2015-16	Dr. Deepak Sinha	-	-	01	-	-	-	01	-
	2016-17	Dr. S.K. Chatterjee	01	01	-	-	03	02	-	-
		Dr. S.K. Rajput	-	-	-	-	01	-	-	-
		Dr. Deepak Sinha	03	02	06	-	-	-	01	-
	2017-18	Dr. S.K. Rajput	-	-	-	-	-	01	-	-
		Dr. K.K. Tiwari	-	-	-	-	01	-	-	-
		Dr. S.K. Chatterjee	02	02	-	-	02	01	-	-
		Dr. Deepak Sinha	01	01	27	-	-	-	-	02
		Dr. S. Ghosh	02	02	-	-	-	-	-	-

02— भोध परियोजनाओंकाविवरणवर्ष 2013–2018 (Give Details)

क्र.	प्राध्यापक / सहायकप्राध्यापक कानाम	परियोजनाका भीर्क	परियोजनास्वीकृतकरनेवालीसंस्थाकानाम	परियोजनाकार्यहेतुस्वीकृत समय	स्वीकृतराशि I
1	Dr. Deepak Sinha (Principal Investigator)	Long Term Measurement of PM10 & PM 1.25 its impact evaluation.	Chhattisgarh Environment Conservation Board (CECB) Raipur	2 Years (2015-2017)	4Lakhs
2	Dr. Deepak Sinha (Team Member)	Quality Checks of the Data and Instruments Working at Air Quality Monitoring Stations in Raipur City (For CSIR-NPL, New-Delhi)	Chhattisgarh Environment Conservation Board (CECB) Raipur	2 Years (2016-2018)	29.4 Lakhs

03A—प्रकाशि त्भोध काविवरणवर्ष 2013–2018 (Give Details)

क्र.	प्राध्यापक / सहायकप्राध्यापक कानाम	भोध पत्र का भीर्क	प्रकाशि त्नकावर्ष	जर्नलकानाम	अंक एवंपेज संख्या	इम्पेक्टफैक्टस
1.	Dr. Sanjay Ghosh	Study of water quality index assessment of ground water and pond water Sirsakala village of Bhilai- 3,Chhattisgarh, India.	2013	Trans Steller, IJCEIRD, USA	Vol. 3 (5), pp. 63-74	
2.	Dr. Sanjay Ghosh	Study of activity coefficient of Hydrochloric acid in 2- propanol-water mixture by Electromotive force measurement method.	2014	Iranian Chemical Society, Iran	Vol. 2 (1), XXX	
3.	Dr. Sanjay Ghosh	Thermodynamic First dissociation constant of amino acid in dioxin-water mixture by potentiometric method.	2015	Internatiol Journal of Engineering Research &Techonology, ISNCESR- 2015 (Conference Proceeding)	pp 38-41	
4.	Dr. Deepak Sinha	The impact of fly ash on photosynthetic activity and medicinal property of plants	2013	<i>Int. J. Curr. Microbiol. App. Sci.</i>	2(8) , 382-388	
5.	Dr. Deepak Sinha	Simple, Rapid and Sensitive UV-Visible Spectrophotometric Method for Determination of Anti- depressant Amitriptyline in Pharmaceutical Dosage Forms	2013	<i>Journal of Spectroscopy</i>	doi:10.1155/2013/783457	0.761
6.	Dr. Deepak Sinha	Traceability issue in PM _{2.5} and PM ₁₀ measurements	2013	<i>MAPAN</i>	28(3) , 153-166	1.00

7.	Dr. Deepak Sinha	Biomass burning is a major source of particulate matter in Indian cities	2014	Journal of Applicable Chemistry	3(3), 1268-1271	
8.	Dr. Deepak Sinha	Aerosol effective density measurement using scanning mobility pariclesizer and quartz crystal microbalance with the estimation of involved uncertainty	2016	Atmospheric Measurement Technique	9(3), 859	3.50
9.	Dr. Deepak Sinha	Recent development on the understanding of aerosol nucleation and growth	2017	Indian Journal of Air Pollution Control	16(2), 61-75	
10.	Dr. Deepak Sinha	Postmonsoon evaluation of surface water with reference of statistical parameters of Korba district, Chhattisgarh, India	2017	Indian Journal of Scientific Research	13(2), 68-74	
11.	Dr. Deepak Sinha	Role of MTHFR 667 C>T Polymorphism on blood homocystein and suscep-tibility to Hypertension	2017	International Journal of Human Genetics,	17(3), 118-125	0.32
12.	Dr. Deepak Sinha	The effect of physical activity on blood homo-cystein concentration	2017	International Journal of Current Microbiology and Applied Sciences	6(9), 1206-1216,	
13.	Dr. Deepak Sinha	Physico-chemical analysis of ground water of selected area of Raipur City	2017	Indian Journal of Scientific Research	13(1), 61-65,	
14.	Dr. Deepak Sinha	Ground water quality assess-ment by multivariate factor analysis	2017	Research Journal of Chemistry and Environment	21(8), 21-25,	0.24
15.	Dr. Deepak Sinha	Label-free selective detec-tion of Ampicillin drug in human urine samples using silver nano particles as a colorimetric sensing probe	2017	New Journal of Chemistry	41, 6685-6692,	3.277
16.	Dr. Deepak Sinha	Size-segregated sugar composition of transported dust aerosols from middle-east over Delhi during March 2012	2017	Atmospheric Research	189, 24-32	3.778
17.	Dr. Deepak Sinha	Physico-Chemical contamination of water in an around Central industrial areas of Bhilai, Durgdistrict C.G.	2017	Asian Journal of Chemical and Environmental Research	10	0.039

18.	Dr. Deepak Sinha	Quantification of Antimony by Spectrophotometric and Atomic Absorption Technique in Industrial Effluent	2017	Asian Journal of Chemical and Environmental Research	10 (1-4), 67-72	0.039
19.	Dr. Deepak Sinha	Assessment of heavy metals on environment and its impact on human health	2017	ActaCienciaIndica	XLIII C(4), 519-526	
20.	Dr. Deepak Sinha	Conductometric Studies on the Thermal Effects on MicellarSolubilization of Acetazolamide – A Diuretic Drug	2017	Journal of Ravishankar University-B	30 (1&2), 74-77	
21.	Dr. Deepak Sinha	Effect of Cadmium on metabolism- A study from coal field area	2018	Journal of Applicable Chemistry	7(1), 272-275	
22.	Dr. Deepak Sinha	Seasonal variations in mass concentration of PM ₁₀ and PM _{2.5} at traffic intersection and residential sites in Raipur city	2018	Research Journal of Chemistry and Environment	22(1), 25-31	0.24
23.	Dr. Deepak Sinha	Aqueous Solubility En-hancement of Spirano-lactone: Effect of Surfactant	2018	International Journal for Research in Applied Science & Engineering Technology	6(IV), 2922-2926	
24.	Dr. Deepak Sinha	Toxicity and Behavioral Changes in Freshwater Fish Tilapia Exposed to Orient Paper Mill Effluent	2018	International Journal of Creative Research Thoughts	6(2), 1355-1358	
25.	Dr. Deepak Sinha	Antibacterial Activity of Some CinnamoHydroxamic Acid and their Derivatives	2018	International Journal of Green and Herbal Chemistry	Sec. A; 7(2), 355-360	
26.	Dr. Deepak Sinha	Quantification of Cr (VI) by Spectrophotometric and Atomic Absorption Tech-nique in Industrial Effluent	2018	Journal of Environmental Science, Computer Science and Engineering & Technology	Sec. A; 7(2), 279-287	
27.	Dr. Deepak Sinha	Solubility Enhancement of Furosemide in Micellar Solution of CetylTrimethyl-ammonium Bromide	2018	European Journal of Biomedical and Pharma-ceutical Sciences	5(5), 792-794	

28.	Dr. Deepak Sinha	Studies on the Micellar Properties of Anionic Surfactant in the Absence and Presence of Spiro-lactone at Room Temperature	2018	<i>International Journal of Current Advanced Research</i>	7,4(F) , 11685-11687	
29.	Dr. Deepak Sinha	Mass Concentration of PM _{2.5} During Diwali in Raipur	2018	<i>Indian Journal of Environmental Sciences</i>	22(1) , 50-53	
30.	Dr. Deepak Sinha	Periodic Water Quality Monitoring of Ground Water in Jashpur District (C.G.) India	2018	<i>Journal of Applicable Chemistry</i>	7(3), 668-675	
31.	Dr. Deepak Sinha	Ambient Air Quality Status in an Industrial Area of Raipur City in the Year 2015	2018	<i>Journal of Applicable Chemistry</i>	7(3) , 647-653	
32.	Dr. Deepak Sinha	Synthesis, Characterization and Antifungal Activity of p-CH ₃ Benzyl and p-Cl Benzyl Cinnamo Hydro-xamic Acids	2018	<i>International Journal of Green and Herbal Chemistry</i>	Sec A, 7(3) , 489-499	
33.	Dr. Deepak Sinha	A Case Study on the Seasonal and Spatial Variations in PM ₁₀ and PM _{2.5} in an Urban Environment of Raipur City	2018	<i>Indian Journal of Environmental Protection</i>	38(11), 914-919	
34.	Dr. Deepak Sinha	Toxicity Evaluation of Metal in Groundwater of Central Industrial Area of Bhilai- Durg Twin City	2018	<i>Journal of Emerging Technologies and Innovative Research</i>	5(6) , 553-556	
35.	Dr. Deepak Sinha	Interaction of Sitagliptin with Sodium Dodecyl Sulphate (SDS): A Physico-chemical study.	2018	<i>Asian Journal of Biochemical and Pharmaceutical Res</i>	8(2), 20-23	
36.	Dr. Deepak Sinha	Determination of Para-cetamol in Industrial Effluents samples by the method followed spectro-photometer.	2018	<i>Asian Journal of Biochemical and Pharmaceutical Res</i>	8(2), 67-71	
37.	Dr. Deepak Sinha	Effect of Sitagliptin on micellization of CetylTrimethylammoniumBromide	2018	<i>International Journal of Research and Analytical Reviews</i>	5(2) , 1612-1615	
38.	Dr. Deepak Sinha	A case study on the comparison of PM _{2.5} mass concentration measured by Beta Attenuation Monitor and Gravimetric Method	2018	<i>Indian Journal of Environmental Protection</i>	38(8), 683-686	

39.	Dr. Deepak Sinha	Nighttime particle growth observed during spring in New Delhi: Evidences for the aqueous phase oxidation of SO ₂	2018	<i>Atmospheric Environment</i>	188 , 82-96	3.7
40.	Dr. Deepak Sinha	Experimental and theoretical approaches for the selective detection of thymine in real samples using gold nanoparticles as a biochemical sensor	2018	<i>RSC Advances</i>	8 , 24328-24337	2.9
41.	Dr. Deepak Sinha	Physico-Chemical analysis of drinking water quality of Bemetara town of Chhattisgarh state	2018	<i>International Journal of Research and Analytical Reviews</i>	5(3) , 171-178	
42.	Dr.AnjuJha	Precipitation of Lead with Rain Water in Chhattisgarh.	2014	International Journal of Research in Chemistry and Environment	4, 145-148.	
43.	Dr.AnjuJha	Spectrophotometric Determination of Nickel (II) in Vegetable oil and Sediments ,	2016	An International Registered and Referred Journal Research Link	XIV(11), 41-42.	2.782
44.	Dr.Saroj Sharma	Composition and sources of organic tracers in aerosol particles of industrial central India,	2013	Atmospheric Research	120-121	
45.	Dr.Saroj Sharma	Chemical Properties of Drinking water in BhilaiDurg Chhattisgarh India and its impact on Human health Research	2014	Journal of Science and Technology	6 (2)	
46.	Dr.Saroj Sharma	Diurnal Study of VOCs in Raipur , Chhattisgarh.	2014	RJET	5 (1)	
47.	Dr.Saroj Sharma	Acid Value of Various Domestic Uses of Oil Research.	2015	Journal of Science and Technology	7(2)	
48.	Dr.Saroj Sharma	Polychlorinated Biphenyls Contamination of sludge in India.	2015	American Journal of Analytical Chemistry	6	
49.	Dr.Saroj Sharma	Contamination of Environment with Polycyclic Aromatic Hydrocarbons in India.	2015	Journal of Environmental Protection 6	6	
50.	Dr.Saroj Sharma	Ambient Volatile Organic Compounds in the atmosphere of industrial central India.	2016	Journal of Atmospheric Chemistry		

51.	Dr. Ravi Banjare	Regional and transported aerosols in ambient atmosphere of Raipur, India, during winter	2017	Journal of Ravishankar university-B	30(1&2), 7-17	
52.	Dr.ShwetaKumbhaj	Studies in solvent extraction and supported liquid membrane for platinum recovery from chloride media by tris (2-ethylhexyl) Phosphate.	2017	Indian Chemical Engineer	61(1), 15-27	
53.	Dr.ShwetaKumbhaj	Synthesis and Characterization of a low cost flat membrane support.	2017	International Journal of Engineering Technology Science and Research,	4(8), 427.	2.12
54	Dr.SarabjotKaurMakkad	π -Conjugated Chromophore Incorporated Polystyrene Nanobeads as Single Optical Agent for Three Channel Fluorescent Probe in Bioimaging Application.	2017	ACS Biomaterial Science & Engineering	3, 1788–1798	4.43
55	Dr.SarabjotKaurMakkad	Surface Functionalized Fluorescent PS Nanobead based Visual Dual Distinct Sensor for the detection of Volatile Organic Compounds.	2018	Analytical Chemistry	90, 7434–7441.	6.3
56.	MitishaBaid	Synthesis and Morphological study of Mn doped ZnS Films	2018	Materials Today: Proceedings	5, 15285-15291.	0.837

03B—प्रकाशित पुस्तक विवरण वर्ष 2013–2018 (Give Details)

क्र.	प्राध्यापक / सहायक प्राध्यापक का नाम	प्रकाशित पुस्तक	ISBN No.	प्रकाशक का नाम	प्रकाशित वर्ष
1.	Dr. Deepak Sinha	Text Book of Chemistry Class XII (CBSE Syllabus)	978-93-82519-27-0	Prabodh and Co. Pvt. Ltd. Raipur (C.G.)	2018
		Rasayan Pathya Pustak, Class 12 th (CBSE Syllabus)	978-93-81516-38-6	Prabodh and Co. Pvt. Ltd. Raipur (C.G.)	2018
		Saral Rasayan Digdarsika for Class 11 th NCERT Syllabus	978-93-85681-87-5	Prabodh and Co. Pvt. Ltd. Raipur (C.G.)	2017

		Text-Book of Chemistry, Class 11 th (CBSE Syllabus)	978-93-82519-46-1	Prabodh and Co. Pvt. Ltd. Raipur (C.G.)	2017-18
		RasayanPathyaPustak Class 11 th (CBSE Syllabus)	978-93-81516-37-9	Prabodh and Co. Pvt. Ltd. Raipur (C.G.)	2017-18
		RasayanPathyaPustak Hindi Medium Class 11 th (State Board Syllabus) for Madhya Pradesh	978-93-81516-58-4	Prabodh and Co. Pvt. Ltd. Raipur (C.G.)	2013-14
		RasayanPathyaPustak Hindi Medium Class 12 th (State Board Syllabus) for MP	978-93-81516-57-7	Prabodh and Co. Pvt. Ltd. Raipur (C.G.)	2014-15
2.	Dr. S.K. Patle	NavbodhRasayan CBSE, Class-XI	-	Navbodh Publications	2017-18
		NovbodhRasayan,Cass-XII		Navbodh Publications	2015-16
		Navbodh Practical Chemistry, B.Sc. I	-	Navbodh Publications	2017-18
		NavbodhRasayan CBSE, Class-XII	-	Navbodh Publications	2017-18
3.	Dr. Vinod Jena	Magneto-Chemistry	978-1-365-63335-5	LP Academic Publishers, NC, USA	-
		Advanced Electrochemistry	978-1-365-63340-9	LP Academic Publishers, NC, USA	2017
		Applied Analytical Chemistry	978-1-365-63346-1	LP Academic Publishers, NC, USA	-

		Irreversible Thermodynamics	978-1-356-63342-3	LP Academic Publishers, NC, USA	2018
		Introduction to Non-equilibrium Thermodynamics	978-1-365-63328-7	LP Press, Paris, France	2018
		A Guide to Reagent in Organic Synthesis	978-1-329-16214-3	LP Academic Publishers, NC, USA	2016
		Problem and Solution in Proton NMR Spectroscopy	978-1-329-66983-3	LP Academic Publishers, NC, USA	2017
		Chemistry of Non-Transition Elements	978-1-365-63386	LP Academic Publishers, NC, USA	2018
		Fundamental Of Surface Chemistry	978-1-365-63343-0	LP Academic Publishers, NC, USA	2018
		Guidebook of Experiments in Applied Chemistry	978-1-365-63328-7	LP Academic Publishers, NC, USA	2018
4.	Dr. A. Jha	Soil Quality & Public Health	978-81-936381-7-0	Vaibhav Publication	-

04—भाोध संगोश्टी / कार्यपालाओंमेंसहभागित्वर्ष 2013—2018 (Give Details):

क्र.	प्राध्यापक / सहायक प्राध्यापक कानाम	भाोधसंगोश्टीका भीर्शक	वर्ष	सहभागिता / गोध पत्र प्रस्तुती	सत्र संचालनचेयरमेन / मेम्बर
1	Dr. S.K. Patle	Workshop organized by RUSA, at Raipur	2015-16		Resource person
		Career orientation workshop for students at Kanker	2016-17	Participated	
		RUSA Workshop on educational quality improvement collection of basic data and analysis of examination result	2017-18	Participated	

		5 days Workshop organized by RUSA, at Raipur	2014-15	Participated	
2	Dr. S. Ghosh	International Seminar, Durg.	21-22 th March 2015	Presented	
		2 nd International Seminar, at Durg.	17-18 th March, PARAS, 2016	Presented	
		National seminar, at Raipur	15-16 February 2017	Presented	
		3 rd International Seminar, at Durg.	24-25 th March, PARAS, 2017	Presented	
		Workshop organized by RUSA, at Raipur	23-27 th June 2015	Participated	
		National Seminar on Quality Education, at Raipur	27-28 th November, 2015	Participated	
		Workshop organized by RUSA, at Raipur	20-24 th June 2017	Participated	
3	Dr. P.C. Sharma	Workshop organized by RUSA, at Raipur	23-27 th June 2015	Participated	
		National Seminar on Quality Education, at Raipur	27-28 th November, 2015	Participated	
		Workshop organized by RUSA, at Raipur	20-24 th June 2017	Participated	
		3 rd International Seminar, at Durg.	24-25 th March, PARAS, 2017	Presented	
4 \\	Dr. Deepak Sinha	Resource Person of Chemistry in EDUSAT NETWORK, State Council of Educational Research & Training Chhattisgarh (SCERT), Raipur.	17/04/2013		Resource Person
		Resource Person of Chemistry in EDUSAT NETWORK, State Council of Educational Research & Training Chhattisgarh (SCERT), Raipur	29/04/2013		Resource Person
		Resource Person of Chemistry in EDUSAT NETWORK, State Council of Educational Research & Training Chhattisgarh (SCERT), Raipur	11/12/2013		Resource Person

		Resource Person of Chemistry in EDUSAT NETWORK, State Council of Educational Research & Training Chhattisgarh (SCERT), Raipur	14/04/2015		Resource Person
		Resource Person of Chemistry in EDUSAT NETWORK, State Council of Educational Research & Training Chhattisgarh (SCERT), Raipur	16/04/2015		Resource Person
		Resource Person of Chemistry in EDUSAT NETWORK, State Council of Educational Research & Training Chhattisgarh (SCERT), Raipur	21/04/2015		Resource Person
		Resource Person of Chemistry in Training for Teachers regarding New NCERT Syllabus. Organized by State Council of Educational Research & Training Chhattisgarh (SCERT), Raipur	09/05/2017		Resource Person
		Resource Person of Chemistry in Training for Teachers regarding New NCERT Syllabus. Organized by State Council of Educational Research & Training Chhattisgarh (SCERT), Raipur	15/05/2017		Resource Person
		Resource Person of Chemistry in Training for Teachers regarding New NCERT Syllabus. Organized by State Council of Educational Research & Training Chhattisgarh (SCERT), Raipur	16/05/2017		Resource Person
		Resource Person of Chemistry in Training for Teachers regarding New NCERT Syllabus. Organized by State Council of Educational Research & Training Chhattisgarh (SCERT), Raipur	21/05/2017		Resource Person
		Resource Person of Chemistry in Training for Teachers regarding New NCERT Syllabus. Organized by State Council of Educational Research & Training Chhattisgarh (SCERT), Raipur	01/06/2018		Resource Person
		Resource Person of Chemistry in Training for Teachers regarding New NCERT Syllabus. Organized by State Council of Educational Research & Training Chhattisgarh (SCERT), Raipur	02/06/2018		Resource Person
		National Conference VIMARSH,	2013	Presented	
		National Conference VIMARSH	2013	Presented	
		National Seminar on Recent Advances in Meteorology, climatology & Environment	2013	Presented	

		National Conference in Innovative Trends in Computer Science & Information Technology (ITCSIT),	2014	Presented	
		National Conference on INTEGRATIVE GENOMICS,	2014	Presented	
		International Seminar on Utilization of Non- Conventional Energy Sources for Sustainable Development of Rural Areas,	2015	Presented	
		International Conference on Recent Trends in Science and Engineering (ICRTSE- 2016),	2016	Presented	
		International Seminar on Utilization of Non- Conventional Energy Sources for Sustainable Development of Rural Areas,	2016	Presented	
		National Conference (53 rd Annual Convention of Chemists 2016) in Analytical Chemistry & Environmental Chemistry Section, ,	2016	Presented	
		National Conference on Soil Quality and Public Health (SQPH) Sponsored by UGC – CRO (Bhopal), ,	2017	Presented	
		National Seminar on Advances in Environmental Science & technology, Sponsored by U.G.C., C.R.O., Bhopal, M.P.,	2017	Presented	
		National Seminar on Current Development of Environmental Sciences in Chhattisgarh State,	2017	Presented	
		3 rd International Seminar on Utilization of Non- Conventional Energy Sources for Sustainable Development of Rural Areas ISNCESR'17	2018	Presented	
		National Symposium on Distributed Computing and Network Communication, Department of Information Technology and Department of Computer science, Govt. Nagarjuna Post Graduate college of Science, Raipur (C.G.)	30 Jan, 2015	Participated	

	One week Short Term Training Programme on Environment Challenges and Remedies Organized by Department of Chemical Engineering and Chemistry, National Institute of Technology, Raipur (C.G.)	May 25-29, 2015	Participated	
	RUSA Sponsored Workshop on Quality Education, Organized by Govt. N.P.G. College of Science, Raipur (C.G.)	June 23-27, 2015	Participated	
	National Seminar on Enhancement Strategies in Quality Education and Research, Organized by Internal Quality Assurance Cell (IQAC), Govt. Nagarjuna Post Graduate college of Science, Raipur (C.G.)	November 27-28, 2015	Participated	
	Visited Delhi for discussion of issues related to PM _{2.5} and PM ₁₀ Sampling Protocols. Also about the Air Quality Data of Raipur City provided by Chhattisgarh Environment Conservation Board, Raipur, Organized at CSIR- National Physical Laboratory, New Delhi- 110012	February 2– 5, 2016	Participated	
	One Week Short Term Training Programme on Advances in Analytical Techniques in Chemistry and Material Science (AATCMS-2016), Organized by Department of Chemistry, National Institute of Technology, Raipur	February 08– 12, 2016	Participated	
	Pre-Admet Workshop on Metrology in Chemistry: Ambient Air Quality Measurements, Organized at CSIR- National Physical Laboratory, New Delhi- 110012	February 23, 2016	Participated	
	9 th International Conference on Advances in Metrology (Admet-2016), Organized at CSIR- National Physical Laboratory, New Delhi- 110012	February 24– 26, 2016	Participated	

		UGC – SAP (DRS – II) National Conference on Advances In Environmental & Chemical Sciences, Organized by School of Studies in Chemistry, Pt. Ravi Shankar Shukla University, Raipur, Chhattisgarh	March 17-18, 2017	Participated	
		RUSA Sponsored Workshop on Strategies and Challenges in Implementing Extension of Higher Education and Improvement in Quality of Higher Education, Organized by Govt. N.P.G. College of Science, Raipur (C.G.)	June 20-23, 2017	Participated	
		National Level Self- Sponsored Short Term Training Programme on Recent Trends in Material Science and Nano- Technology (MSNT-2017), Organized by Department of Chemistry, National Institute of Technology, Raipur (C.G.)	October 3-7, 2017	Participated	
		12 th CRSI-RSC Symposium at Pt. Ravi Shankar Shukla University, Raipur (C.G.)	1, Feb, 2018	Participated	
		22 nd CRSI National Symposium at in Chemistry Pt. Ravi Shankar Shukla University, Raipur (C.G.)	2-4, Feb, 2018	Participated	
5	Dr. Anju Jha	National seminar on Current development of environmental sciences in Chhattisgarh State	2017	Presented	
		National seminar on “Environmental conservation and sustainable development in Chhattisgarh	2017	Presented	
6	Dr. Saroj Sharma	National seminar on Current development of environmental sciences in Chhattisgarh State	2017	Presented	
		National seminar on “Environmental conservation and sustainable development in Chhattisgarh	2017	Presented	
7	Dr. Ravi Banjare	National seminar on “Environmental conservation and sustainable development in Chhattisgarh	2017	Presented	

		National seminar on Current development of environmental sciences in Chhattisgarh State	2017	Presented	
		One day conference on “Recent advances in functional nanomaterials,”	2017	Presented	
8	Dr.Vinod Jena	National seminar on Current development of environmental sciences in Chhattisgarh State	2017	Presented	
		National seminar on “Environmental conservation and sustainable development in Chhattisgarh	2017	Presented	
		One day conference on “Recent advances in functional nanomaterials,”	2017	Presented	
9	Dr.ShwetaKumbhaj	National seminar on Current development of environmental sciences in Chhattisgarh State	2017	Presented	
		National seminar on “Environmental conservation and sustainable development in Chhattisgarh	2017	Presented	
10	MitishaBaid	National Seminar on Current Development of Environmental Sciences in Chhattisgarh State,	2017	Presented	
		54 th Annual convention of chemists 2017, Indian Chemical Society,	2017	Presented	
		National seminar on “Environmental conservation and sustainable development in Chhattisgarh	2017	Presented	
		16 th Chhattisgarh young scientist congress-2017	2018	Presented	
		One day conference on “Recent advances in functional nanomaterials,”	2018	Presented	
		12 th CRSI-RSC Symposium	2018	Participated	
11.	SarabjotKaurMakkad	International Conference at Macro-2017 at Trivendrum.	2017	Presented	

		National Science Day at CSIR-NCL, Pune.	2017	Presented	
		International Conference at Macro-2018 at IISER-CSIR-NCL, Pune.	2018	Presented	

05—भोध संगोश्टी / कार्यालाओंकाआयोजनवर्ष 2013–2018

क्र.	विभागकानाम	भोध संगोश्टी / कार्यालाओंकाआयोजन	आयोजनवर्ष	विशय	स्वीकृतिदेनेवालीसंस्थाकानाम	राज्य
1.	Chemistry	Three days workshop has been organized (18 th – 20 th November 2015)	2015-16	“Laboratory techniques & maintenance”	RUSA	
2.	Chemistry	One day workshop has been organized (21 st June 2017)	2016-17	“Road map of quality enhancement and expansion of higher education in Raipur district in forthcoming three years.”	RUSA	

06—नवाचारीकार्य / प्राप्तपुरुस्कारोंकाविवरणवर्ष 2013–2018

क्र.	विभागकानाम	प्राध्यापकों / सहायकप्राध्यापकोंकानाम	नवाचारीकार्य	पुरुस्कारकावर्ष	पुरुस्कारदेनेवालीसंस्थाकानाम
1.	Chemistry	Dr. Deepak Sinha	CITAC Best Paper Award (Traceability issue in PM _{2.5} and PM ₁₀ measurements)	2013	Co-operation On International Traceability in Analytical Chemistry (CITAC)
2.	Chemistry	MitishaBaid	Chhattisgarh Young Scientist Congress (CYSC- 2017) in Chemical Science Discipline	2018	Chhattisgarh Council of Science & Technology (CGCOST)

प्राचार्य
शास.नागार्जुनस्नातकोत्तरविज्ञानमहाविद्यालय,
रायपुर (छ.ग.)

Departmental Profile

1. Name of the Department- **Computer Science**

2. Year of Establishment – 2012

3. Infrastructure-

(a) Class Rooms available – Numbers and Covered area in Sqft. **[04 rooms]**

(b) Laboratories – Numbers and Covered area in Sqft. **[01 Lab]**

(c) List of Equipments lab wise **[32 Computers and 01 Printer]**

(d) Details of Departmental Library Nil

Year	Books Purchased	Journal		CD's	e resources Subscribed	e journal Subscribed	Thesis
		National	International				
2013-14	Nil	-	-	-	-	-	-
2014-15	Nil	-	-	-	-	-	-
2015-16	Nil	-	-	-	-	-	-
2016-17	Nil	-	-	-	-	-	-
2017-18	Nil	-	-	-	-	-	-

4. Courses offered-

Year	Courses	Intake			Actual enrolment			New courses offered
		UG	PG	Ph. D	UG	PG	Ph. D	
		UG	PG	Ph. D	List Below			-
2013-14	B. Sc. (CS)	60	-	-				-
2014-15	BCA	30	-	-				-
2015-16	DCA	30	-	-				-
2016-17	PGDCA	-	30	-				-
2017-18				-			-	-

Actual enrolment				
	B. Sc (CS)	BCA	DCA	PGDCA
2013-14	60	30	15	30
2014-15	57	23	17	30
2015-16	61	29	17	30
2016-17	61	29	16	30
2017-18	60	22	27	30

5. Faculty Strength

No. of Teachers Available	Year				
	2013-14	2014-15	2015-16	2016-17	2017-18
Professors	Nil	Nil	Nil	Nil	Nil
Asstt. Professors	Nil	01	01	01	02
Regular	-	-	-	-	-
Adhoc	-	-	-	-	-
Contractual	04	03	03	03	03
Guest faculty	04	04	04	04	03
Visiting Faculty	-	-	01	01	01

Annexure

List of Faculty

Name	Designation	Qualification	Pay	Total experiences	No. of years in the college
Kiran Bala Dubey	Asst. Prof.	M. Sc & M. Phil Computer Science	63000	18	04
Gargee Shukla	Asst. Prof	MCA, NET, SET, JRF	57700	3	1.5

6. Sanctioned , working strength and Vacant position (Faculty)

Category	Sanctioned			Working			Vacant			Grant total
	Prof.	Asstt. Prof.	Total	Prof.	Asstt. Prof.	Total	Prof.	Asstt. Prof.	Total	
Regular	1	5	6	Nil	2	2	1	3	4	
Contract basis	1	3	4	1	3	4	-	-	-	

7. Qualification of Faculty

Category	No. of Ph.D.	No. Of M. Phil	Other	Total
Regular	-	1	1 NET, SET, JRF	2
Contract basis	-	3	1 NET, SET	4

8. Non Teaching Staff-

- (i) Sanctioned- 01 Lab Tech., 01 Lab Asst., 01 Peon
- (ii) Working – List to be provided in Annexure (01 Lab Tech., 01 Peon)
- (iii) Vacant - 01 Lab Asst

9. Research Profile - Nil

Year	Research Publication	Research projects	Seminar/conference/ workshop/ synopsis	Other research and consultancy related activity
2013-14				
2014-15				
2015-16				
2016-17				
2017-18				

Annexure to be prepared

Research Publication **Nil**

S.No.	Name	Year	Title	Name of Journal	Volume	Page no.
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Research project **Nil**

S.No.	Name	Year	Title of the project	Funding agency
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Seminar/ Conference/ Workshop/ Symposia

Name of the Department	Year	Title of the Seminar/ Workshop	Funding agency
Computer Science with IT	20 January, 2015	Distributed Computing and Network Communication	CGCOST
	29 September 2015	Multimedia and computer Network	SPITL Education
	5 th - 6 th October 2017	Cryptography and Network Security	UGC and CGCOST

10. Teaching learning methods adopted by the department List the methods.

11. Achievements of students (Provide details separately)

Year	Examination	Co curricular activities	Extracurricular activities
2013-14	-	-	-
2014-15	-	-	-
2015-16	-	-	Plantation, Plastic free zone
2016-17	-	-	plantation
2017-18	-	-	plantation

Annexure enlist separately

12. Achievements of Teacher.

Year	Achievement of Teachers	Enclose Details Separately
2013-14	Nil	
2014-15	Orientation Program	
2015-16	Nil	
2016-17	Refresher Course	
2017-18	Nil	

13. Research scholars enrolled/ Ph. D. Awarded Nil

Year	Name of Supervisor	Research Scholars enrolled	Research completed & Ph.D. awarded
2013-14			
2014-15			
2015-16			
2016-17			
2017-18			

Annexure enlist separately Nil

Name of Supervisor	Title of the Research	Year of Registration	Year of Completion/ Ph.D. awarded

14. Board of studies Meeting-

Year	Date of meeting	Resolution passed	Remarks
2013-14	13-3-2014	Decide to follow Pt. Ravishankar Shukla University, Raipur Syllabus as it is	
2014-15	08-5-2015		
2015-16	29-02-2016		
2016-17	24-3-2017		
2017-18	11-4-2018		

15. Selection of students for admission-

Year	Total application received	Admission given to candidate of minimum % on merit
2013-14		
2014-15		
2015-16		
2016-17		
2017-18		

16. Selection of contract appointment of teachers

Year	No. of Posts vacant	Application received	Appointment given to candidate on merit
2013-14	04	46	On the basis of UGC Norms
2014-15	03	44	
2015-16	03	44	
2016-17	03	49	
2017-18	03	78	

17. Extension activities done by the Department- Nil

Year	Name of extension activity	Target group	Funds received from
2013-14			
2014-15			
2015-16			
2016-17			
2017-18			

Annexure- Report & Photographs

18. Facilities of recreation activities- Nil

List of facilities available with the Department

Year	Recreation facilities developed	Funds received from
2013-14		
2014-15		
2015-16		
2016-17		
2017-18		

19. Innovative reforms of the Department-

List of innovative practices under way in the department

Year	Innovative reforms taken	Target group	Impact of reform
2013-14	-	-	-
2014-15	-	-	-
2015-16	-	-	-
2016-17	WhatsApp Group	All BCA, B.Sc(CS), DCA and PGDCA students	e-notes and current Notices available at a time
2017-18			

20. Achievements of the Department-

S. No.	Items	Status before autonomy	Status at present
1	UG intake	B.Sc(CS)-60, BCA-30, DCA-30	B.Sc(CS)-60, BCA-50, DCA-30
2	PG intake	PGDCA-30	PGDCA-30
3	UG Programmes	BCA, B.Sc(CS), DCA	BCA, B.Sc(CS), DCA
4	PG Programmes	PGDCA	PGDCA
5	M.Phil/ Ph.D.	-	-
6	Research publication	-	-
7	Research projects	-	-
8	Organizing seminar/ Conferences	-	02
9	Attending seminar/ conference	-	20+6
10	Extension activities	-	-
11	Consultancy	-	-
12	Faculty	Nil	02
13	Faculty with Ph.D.	Nil	Nil
14	Infrastructure	4 class room+1 Lab	4 class room+1 Lab
15	Library	-	-
16	Result analysis	-	Listed Below
17	Placement	-	-
18	Any other	-	-

Result analysis विषयवार एवं कक्षावार गत पांच वर्षों का परीक्षा परिणाम

कक्षा / वर्ष	2013-14	2014-15	2015-16	2016-17	2017-18
बी0एस0सी0 भाग- एक	63-51=80.95%	60-44=73.33%	95%	92.42%	98.41%
बी0एस0सी0 भाग- दो	57-50=87.71%	54-54=100%	98%	98.38%	100%
बी0एस0सी0 भाग- तीन	50-46=92%	59-53=89.83%	77.93%	97.95%	100%
बी0सी0ए0 भाग- एक	24-08=33%	29.11%	17.14%	37.8%	30.77%
बी0सी0ए0 भाग- दो	11-9=81%	12-8=66.6%	72.22%	92.3%	44%
बी0सी0 ए0 भाग- तीन	11-10=91%	40%	69.21%	38.8%	52.63%
पी0जी0डी0सी0ए0 I-Sem	29-26=89%	85.7%		Ist : 62.06%	Ist : 96.55%
II-Sem.	-		72.41%	IIInd:70.37%	IIInd: 100%
डी0 सी0ए0 I-Sem.	09-03=83%	18.7%		Ist: 43.75%	
II-Sem.			58.82%	IIInd: 46.15%	9.09%

Departmental Profile

1. Name of the Department-**Defence Studies**
2. Year of Establishment –**1972**
3. Infrastructure-
 - (a) Class Rooms available – Numbers and Covered area in Sqft. – **4 Rooms & 4836 Sqft.**
 - (b) Laboratories – Numbers and Covered area in Sqft. – **1 Room & 1200 Sqft.**
 - (c) List of Equipment's lab wise- **Attached-1**
 - (d) Details of Departmental Library

Year	Books Purchased	Journal		CD's	e resources Subscribed	e journal Subscribed	Thesis
		National	International				
2013-14	22	Nil	Nil	Nil	Nil	Nil	Nil
2014-15	53	Nil	Nil	Nil	Nil	Nil	Nil
2015-16	29	Nil	Nil	Nil	Nil	Nil	Nil
2016-17	115	Nil	Nil	Nil	Nil	Nil	Nil
2017-18	100	Nil	Nil	Nil	Nil	Nil	Nil

4. Courses offered-

Year	Courses	Intake			Actual enrolment			New courses offered
		UG	PG	Ph.D	UG	PG	Ph.D	
2013-14	B.Sc.& M.Sc.		917	03		16	Nil	Nil
2014-15	B.Sc.& M.Sc.		926	04		19	Nil	Nil
2015-16	B.Sc.& M.Sc.		25	Nil		20	Nil	Nil
2016-17	B.Sc.& M.Sc.		23	01		11	Nil	Nil
2017-18	B.Sc.& M.Sc.		14	Nil		12	Nil	Nil

5. Faculty Strength

No. of Teachers Available	Year				
	2013-14	2014-15	2015-16	2016-17	2017-18
Professors					
Asstt. Professors	02	02	01	01	02
Regular					
Adhoc					
Contractual					
Guest faculty	01	01	01	01	01
Visiting Faculty					

Annexure

List of Faculty

Name	Designation	Qualification	Pay	Total experiences	No. of years in the college
Dr. G. K. Pandey	Professor	D. Litt., Ph.D., M.Sc.	192900	29	21
Dr. P.K. Kadwe	Asstt. Professor	Ph.D., NET, M.Sc.	171400	25	24

6. Sanctioned , working strength and Vacant position (Faculty)

Category	Sanctioned			Working			Vacant			Grant total
	Prof.	Asstt. Prof.	Total	Prof.	Asstt. Prof.	Total	Prof.	Asstt. Prof.	Total	
Regular	01	02	03	01	01	02	Nil	01	01	
Contract basis	Nil	01	01	Nil	01	01	Nil	Nil	Nil	

7. Qualification of Faculty

Category	No. of Ph.D.	No. Of M. Phil	Other	Total
Regular	02	-	D.Ltt. & NET	02
Contract basis	01	-	NET	01

8. Non Teaching Staff-

- (i) Sanctioned- **04**
- (ii) Working – List to be provided in Annexure- **Lab Technician & Lab Peon**
- (iii) Vacant -**02**

9. Research Profile

Year	Research Publication	Research projects	Seminar/conference/ workshop/ synopsis	Other research and consultancy related activity
2013-14	06	02	1 April 2014	
2014-15	13	03	12 April 2015	
2015-16	07	03		
2016-17	03	Nil		
2017-18	04	Nil	19 & 20 July 2018	

Annexure to be prepared

(i) Research Publication- **Attached-2**

S.No.	Name	Year	Title	Name of Journal	Volume	Page no.
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(ii) Research project– **Attached-3**

S.No.	Name	Year	Title of the project	Funding agency
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Seminar/ Conference/ Workshop/ Symposia

Name of the Department	Year	Title of the Seminar/ Workshop	Funding agency
Defence Studies	1 April 2014	Internal Security of India	FANS
Defence Studies	12 April 2015	संस्कृतभारत	FANS
Defence Studies	19& 20 July 2018	Manthan: Cyber Security	FANS

10. Teaching learning methods adopted by the department List the methods.-

(i) **Audio Methods** (ii) **Audio & Visual Methods**

11. Achievements of students (Provide details separately)

Year	Examination	Co curricular activities	Extracurricular activities
2013-14	Nil		
2014-15	Nil		
2015-16	Nil		
2016-17	One Student Cleared NET JRF		
2017-18	Nil		

Annexure enlist separately

12. Achievements of Teacher.

Year	Achievement of Teachers	Enclose Details Separately
2013-14	D.Ltt. & Shiksha Ratan	
2014-15	Nil	
2015-16	Nil	
2016-17	Nil	
2017-18	Nil	

13. Research scholars enrolled/ Ph. D. Awarded

Year	Name of Supervisor	Research Scholars enrolled	Research completed & Ph.D. awarded
2013-14	Nil	Nil	
2014-15	Nil	Nil	
2015-16	Nil	Nil	
2016-17	Nil	Nil	
2017-18	Nil	Nil	

Annexure enlist separately

Name of Supervisor	Title of the Research	Year of Registration	Year of Completion/ Ph.D. awarded

14.Board of studies Meeting-

Year	Date of meeting	Resolution passed	Remarks
2013-14	12 March 2013	Syllabus Revised	
2014-15	8 November 2013	Syllabus Revised	
2015-16	25 April 2015	Syllabus Revised	
2016-17	18 March 2016	Syllabus Revised	
2017-18	25 April 2017	Syllabus Revised	

15.Selection of students for admission-

Year	Total application received	Admission given to candidate of minimum % on merit
2013-14	917 (Central Counselling)	49.27%
2014-15	926 (Central Counselling)	49.55%
2015-16	25 (Department)	50.38%
2016-17	23 (Department)	49.50%
2017-18	14 (Department)	45.50%

16.Selection of contract appointment of teachers

Year	No. of Posts vacant	Application received	Appointment given to candidate on merit
2013-14	01	02	Yes
2014-15	01	02	Yes
2015-16	01	02	Yes
2016-17	02	02	Yes
2017-18	02	02	Yes

17.Extension activities done by the Department-

Year	Name of extension activity	Target group	Funds received from
2013-14	To Approach Scientific Temper	School Student	Nil
2014-15	To Approach Scientific Temper	School Student	Nil
2015-16	Nil		
2016-17	Nil		
2017-18	Nil		

Annexure- Report & Photographs

18. Facilities of recreation activities-

List of facilities available with the Department

Year	Recreation facilities developed	Funds received from
2013-14	Nil	Nil
2014-15	Nil	Nil
2015-16	Nil	Nil
2016-17	Nil	Nil
2017-18	Nil	Nil

19. Innovative reforms of the Department-

List of innovative practices under way in the department- **Institution Social Participation**

Year	Innovative reforms taken	Target group	Impact of reform
2013-14	Nil	Nil	Nil
2014-15	Nil	Nil	Nil
2015-16	Nil	Nil	Nil
2016-17	Bastar Rally	Naxlite Effected Local Population	Local Welcomes Us
2017-18	Pushpanjali Rally	Naxlite Effected Local Population	Local Welcomes Us

20. Achievements of the Department-

S. No.	Items	Status before autonomy	Status at present
1	UG intake	30	90
2	PG intake	Nil	25
3	UG Programmes	Yes	Yes
4	PG Programmes	Nil	PG
5	M.Phil/ Ph.D.	Nil	01
6	Research publication	Nil	70
7	Research projects	Nil	03
8	Organizing seminar/ Conferences	01	05
9	Attending seminar/ conference	01	20
10	Extension activities	Nil	Yes
11	Consultancy	Nil	Yes
12	Faculty	02	03
13	Faculty with Ph.D.	Nil	03
14	Infrastructure	Same	Increase
15	Library	Nil	PG Lib.
16	Result analysis	Nil	Yes
17	Placement	Nil	Yes
18	Any other	Nil	Nil

Enclosure-1 : 3(C)

List of Equipment's Lab Wise

<ol style="list-style-type: none">1. Send Table Practical -12. Plane Table Survey Practical -6<ol style="list-style-type: none">i. Plane Tableii. Tripod Standiii. Ranging Rodiv. Plumb Robv. Sprit Levelvi. Tapevii. Trough Compassviii. Alidadeix. Scalex. Thumb Pinxi. Plane Table Sheet3. Psychology Practical-<ol style="list-style-type: none">i. Alexander Pass Along Test-10ii. Kho's Block Test-10iii. Muller Layer Test -8iv. Mirror Drawing Test-10v. Mental Fatigue -50vi. Stop Watch-204. Tracing Table-15. Compass Survey-4<ol style="list-style-type: none">a. Tripod Standb. Prismatic Compassc. Chaind. Tapee. Ranging Rodf. Plumb Robg. Sprit Level	<ol style="list-style-type: none">6. Air Craft Models-507. Tank Models -408. Missile Models-209. Bomb Models -310. Rocket Models -311. Satellite Models-312. Brunton Compass -113. Bhatia Short Battery -114. Liquid Compass -815. Lenstic Compass-116. Globe -317. Pedometer-218. Perskegraph-119. Prismatic Binocular-120. Pocket Stereoscope -121. Stereoscope -122. Service Protector-4023. Topo Sheet-8024. Techistoscope -425. Telescopic Alidade-126. Periscope -127. Map Measurer-228. User & Users Licenses-129. Camera -130. Handy Camera-1
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Air Craft Models-50
Tank Models -40
Missile Models-20
Bomb Models -3
Rocket Models -3
Satellite Models-3
Brunton Compass -1
Bhatia Short Battery -1
Liquid Compass -8
Lenstic Compass-1
Globe -3
Pedometer-2
Perskegraph-1
Prismatic Binocular-1
Pocket Stereoscope -1
Stereoscope -1
Service Protector-40
Topo Sheet-80
Techistoscope -4
Telescopic Alidade-1
Periscope -1
Map Measurer-2
User & Users Licenses-1
Camera -1
Handy Camera-1

Dr. G.K. Pandey
Studies
ScienceRaipur (C.G.)

HoD, Defence
Govt. N.P.G. College of

Department of Defence Studies

Govt. N.P.G. College of Science, Raipur(C.G.)

Minor/ Major Project

No.	Title	Fund Granted By	Duration	Supervisor	Fellow
1.	Mental Conditions of Security Forces in Naxal Conflict zone of Chhattisgarh	ICSSR, New Delhi	Sept. 2013 to Aug. 2015	Dr. G.K. Pandey	Dr. Varnika Sharma
2.	India – Bangladesh Relation : Challenges & Solution	ICSSR, New Delhi	Sept. 2013 to Aug. 2015	Dr. G.K. Pandey	Dr. GeetanjaliChandrakar
3.	Application of lie Detection Technique During interrogation of insurgents.	CG COST, Raipur (C.G.)	April 2014 to March 2016	Dr. G.K. Pandey	Dr. Varnika Sharma

Dr. G.K. Pandey
HoD, Defence Studies
Govt. N.P.G. College of Science
Raipur (C.G.)

Enclosure -3: 9(ii)

Department of Defence Studies

Govt. N.P.G. College of Science, Raipur(C.G.)

Minor/ Major Project

No.	Name	Year	Title	Funding Agency
1.	Dr. Geetanjali Chandrakar	Sept. 2013 to Aug. 2015	India – Bangladesh Relation : Challenges & Solution	ICSSR, New Delhi
2.	Dr. Varnika Sharma	Sept. 2013 to Aug. 2015	Mental Conditions of Security Forces in Naxal Conflict zone of Chhattisgarh	ICSSR, New Delhi
3.	Dr. Varnika Sharma	April 2014 to March 2016	Application of lie Detection Technique During interrogation of insurgents.	CG COST, Raipur (C.G.)

Dr. G.K. Pandey
HoD, Defence Studies
Govt. N.P.G. College of Science
Raipur (C.G.)

Enclosure -2: 9(i)

Research Paper Publications of Defence Studies

Govt. N.P.G. College of Science, Raipur(C.G.)

No.	Author Name	Year	Title	Journal/Books	Volume	Page No.	Publisher
1.	Dr. P.K. Kadwe Dr. Varnika Sharma	March 2017	India – Japan Relation Bridge of Emerging Trends an analytical Study	India's Foreign PolicyEmerging Challenges ISBN : 978-93- 5207-521-8	Vol.-1		Author Press, New Delhi- 110016
2.	Dr. G.K. Pandey Dr. GeetanjaliChand rakar	March 2017	India – China Relation	India's Foreign PolicyEmerging Challenges ISBN : 978-93- 5207-521-8	Vol.-1		Author Press, New Delhi- 110016
3.	Dr. P.K. Kadwe Dr. G.K. Pandey Dr. GeetanjaliChand rakar	March – June 2016	भारत व चीन : राजनीतिकतनाव के बीचव्यापारिकसहयोग	“सिद्धांत” ISSN: 0976- 528X	March –June	24-27	Academia Research Society, KarnalGanj, Kanpur-1 U.P.
4.	Dr. G.K. Pandey	Fab.2016	India and China's Strategic Relations in the Coming Decades	India & China Beyond 2020 ISBN : 978-93- 83930-49-4	Vol.-1	1-12	G.B. Books Publishers & Distributors New Delhi
5.	Dr. Varnika Sharma	Fab.2016	India & China Road Ahead	India & China Beyond 2020 ISBN : 978-93- 83930-49-4	Vol.-1	30-45	G.B. Books Publishers & Distributors New Delhi
6.	Dr. P.K. Kadwe Dr. GeetanjaliChand rakar	Fab.2016	India – China Relation : Challenges and Response	India & China Beyond 2020 ISBN : 978-93- 83930-49-4	Vol.-1	88-91	G.B. Books Publishers & Distributors New Delhi
7.	Dr. P.K. Kadwe Dr. G.K. Pandey Dr. GeetanjaliChand rakar	Sept. – Dec. 2015	“भारत–नेपालसंबंध : बांग्लादेश के विशेषसंदर्भमें”	“सिद्धांत” ISSN: 0976- 528X	Sept. –Dec.	23-27	Academia Research Society, KarnalGanj, Kanpur-1 U.P.
8.	Dr. G.K. Pandey Dr. P.K. Kadwe Dr. GeetanjaliChand rakar	June-2015	साइबरआतंकवाद	Printing Area ISSN: 2394- 5303 Issue -06	Vol.-1	161- 164	Harshwardhan Publication Pvt.Ltd.-Beed (MH)
9.	Dr. G.K. Pandey Dr. P.K. Kadwe Dr.	Dec. 2015	भारत–बाँग्लादेशसंबंध : चुनौतियाँ	सम सामयिकी : भारत की विदेशनीतिISBN:	Vol.-1	134- 146	Authorpress, NewDelhi- 110016

No.	Author Name	Year	Title	Journal/Books	Volume	Page No.	Publisher
	GeetanjaliChandrakar			978-93-5207-165-4			
10.	Dr. G.K. Pandey Dr. Varnika Sharma	Dec. 2015,	Globalization : Important Player in The Global Economy	Globalization & Human Security : Issues & Challenges ISBN : 978-93-83754-96-0,	Vol.-1		Satyam Publication House New Delhi-110059
11.	Dr. G.K. Pandey Dr. P.K. Kadwe Dr. GeetanjaliChandrakar	Jan.- March 2015	“चीन की बढ़ती महत्वता और भारत की सुरक्षा”	"Vidyawarta" ISSN :2319-9318	Vol.-1	21-26	Harshwardhan Publication Pvt.Ltd.-Beed (MH)
12.	Dr. G.K. Pandey Dr. P.K. Kadwe Dr. GeetanjaliChandrakar	Jan. 2015	“भारत के जनजातीय क्षेत्रों में बढ़ती विप्लवकारी गतिविधियाँ”	"Global Journal of Multi-disciplinary Studies", Issue-02, ISSN : 2348-0459 impact Factor – 1.927	Vol.-4	84-87	GJMS Publication, Jabalpur (M.P.)
13.	Dr. G.K. Pandey Dr. P.K. Kadwe Dr. GeetanjaliChandrakar	July 2014	“आतंकवाद : 21 वीं सदी की वैश्वीक चुनौती”	“शोध उपक्रम” ISSN : 0976-7894	Vol.-37	47-52	Chhatisgarh Shodh Santhan Sunder Nagar, Raipur (C.G.)
14.	Dr. G.K. Pandey Dr. P.K. Kadwe Dr. GeetanjaliChandrakar	Jan-March 2014	"Bio War and Protective Measures"	Edujunction ISSN – 2278-3938	Vol.-6	48-53	Chhatisgarh Nagar, Raipur (C.G.)
15.	Dr. G.K. Pandey Dr. P.K. Kadwe Dr. GeetanjaliChandrakar	July-Sept. 2014	BIMSTEC	शोध-प्रकल्प ISSN : 2278-3911	Vol.-8	37-39	VaibhavPrakshan Amin Para, Raipur (C.G.)
16.	Dr. G.K. Pandey Dr. P.K. Kadwe Dr. GeetanjaliChandrakar	July-Sept.2014	एक बड़ा संकट बनता बांग्लादेश	शोध-संप्रेषण ISSN : 097-6459	Vol.-8	111-114	VaibhavPrakshan Amin Para, Raipur (C.G.)
17.	Dr. G.K. Pandey Dr. P.K. Kadwe Dr. GeetanjaliChandrakar	July-Sept. 2014	“भारत-बांग्लादेश संबंधों में बाधा : कट्टरपंथी समूह”	ShodhSanchayan ISSN : 0975-1254	Vol.-2	46-48	ShodhSanchayan, Azad Nagar Kanpur(U.P.)

No.	Author Name	Year	Title	Journal/Books	Volume	Page No.	Publisher
18.	Dr. G.K. Pandey Dr. Varnika Sharma	June – Dec. 2014	"Tactical Importance of Propaganda in Naxalconflict Zone of C.G."	Scholar's Voice ISSN- 0374- 6501	June – Dec.		CDSRD, Allahabad (U.P.)
19.	Dr. G.K. Pandey Dr. Varnika Sharma	Aug. 2014	"Global Warmingऔरसेनापरप्रभ- ताव"	"रक्षाअनुसंधान" ISSN – 978-81- 904	Vol.-5	5-12	जे.एल.एन.एल. कॉलेजमहाराजगंज (उ.प्र.)
20.	Dr. G.K. Pandey Dr. Varnika Sharma	मार्च–जून 2014	"नक्सलीमनोवैज्ञानिक युद्धशास्त्र–अफवाह"	सिद्धांत ISSN : 0976- 528X	मार्च– जून	32-38	Academic Research Society Kanpur, U.P.
21.	Dr. P.K. Kadwe Dr. GeetanjaliChand rakar	मार्च–जून 2014	"बदलतेपरिवे"। मेंभारत–बांग्लादे"।सम्बंध "	सिद्धांत ISSN : 0976- 528X	मार्च– जून	39-42	Academic Research Society Kanpur, U.P.
22.	Dr. G.K. Pandey Dr. Varnika Sharma	April-June 2014	"आंतकवादकामनोविज्ञा नः विश्लेषणात्मक अध्ययन "	शोध–संप्रेषण ISSN :097-6459	Vol.-8	5-12	VaibhavPrakas han Amin Para, Raipur (C.G.)
23.	Dr. G.K. Pandey Dr. Varnika Sharma		"भारत की आंतरिकसुरक्षाकोमाओवा दीचुनौती–मनोवैज्ञानिक विश्लेषण"	नक्सलवाद मुद्दे, चुनौतियाँ एवंविकल्प ISBN :	Vol.-1		Satyam publishing House Uttam Nagar, New Delhi
24.	Dr. G.K. Pandey Dr. Varnika Sharma	Jan-March 2014	मओवादीप्रभावित क्षेत्र मेंआमजनता की मनोदशा–एक विश्लेषणात्मक अध्ययन	An International Research Referred Journal ISSN : 3219- 3204	Vol.-3		An International Research Referred Journal(Editor)
25.	Dr. G.K. Pandey Dr. Varnika Sharma		Abundance of Energy : Assurance of India's Future	India's National Security & Energy Scenario ISBN : 978-93- 83754-41-0	Vol.-1	14-20	Satyam Publishing House Uttan Nagar , New Delhi
26.	Dr. G.K. Pandey Dr. Varnika Sharma	मई–जून 2014	"माओवादीप्रभावित क्षेत्र मेंअफवाह"	शोध समीक्षाऔरमूल्यांक न ISSN : 0974- 2832	Vol.-3	4-11	Cheritable Trust, Jaipur Queen Road, Rajasthan
27.	Dr. G.K. Pandey Dr. Varnika Sharma	सितम्बर– दिसम्बर 2014	"नक्सलीमनोवैज्ञानिक युद्धशास्त्र–अफवाह (एक विश्लेषणात्मक अध्ययन)"	सिद्धांत ISSN : 0976- 528X	सितम्बर – दिसम्बर	6-12	Academic Research Society Kanpur (C.G.)
28.	Dr. G.K. Pandey Dr. GeetanjaliChand	जनवरी– मार्च 2014	"भोरमदेवस्थित यौद्धिक मूर्तियोंकासामरिकअनुशी लन "	"शोध संप्रेषण" ISSN : 0976- 6459	Vol.-3	83-87	VaibhavPrakas han, Aminpara,

No.	Author Name	Year	Title	Journal/Books	Volume	Page No.	Publisher
	rakar						Raipur (C.G.)
29.	Dr. G.K. Pandey Dr. Varnika Sharma	Oct.2013	"Application of Lie Detection Technology During Interogation from captured or surrendered "	An International Research journal Related to higher Education for all Subjects ISSN : 2249-605X	Vol.-54	5-10	An - International ResearchReferedJournal (Editor) Law School, BHUVaranasi (India)
30.	Dr. G.K. Pandey Dr. GeetanjaliChand rakar	Oct-Dec. 2013	“भारत की सुरक्षामेंबाँग्लादेश की भूमिका: एक विश्लेषणात्मक अध्ययन	"Edujanction" ISSN: 2278-3938	Vol.-5	26-29	Chhattisgarh Nagar,. Tikarapar, Raipur (C.G.)
31.	Dr. G.K. Pandey Dr. GeetanjaliChand rakar	Sept.-Dec. 2013	“बाँग्लादेश घुसपैठ एक गंभीरसंकट : भारतीय सुरक्षामेंसंदर्भमें”	“सिद्धांत” ISSN :0976-528X	Sept.-Dec.	20-23	Academia Research Society, KarnalGanji, Kanpur-1, U.P.
32.	Dr. G.K. Pandey Dr. Varnika Sharma	अगस्त 2013	“प्रतिनक्सलीमनोवैज्ञानिक युद्ध कर्म : एक विश्लेषणात्मक अध्ययन”	“तूणीर” ISSN : 0974-2360	Vol.-16	68-76	Defence Studies Research Committee, Maharajganj, U.P.

Dr. G.K. Pandey
 HoD, Defence Studies
 Govt. N.P.G. College of Science
 Raipur (C.G.)

Departmental Profile- English

1. Name of the Department- English
2. Year of Establishment – 1948
3. Infrastructure-
 - (a) Class Rooms available – Nil. Staff Room 01 (360 Sqft)
 - (b) Laboratories – English Language Lab 01 (900 Sqft)
 - (c) List of Equipments lab wise- 30 Consoles and 2 Computers
 - (d) Details of Departmental Library

Year	Books Purchased	Journal		CD's	e resources Subscribed	e journal Subscribed	Thesis
		National	International				
2013-14	--	--	--	--	--	--	--
2014-15	--	--	--	--	--	--	--
2015-16	--	--	--	--	--	--	--
2016-17	--	--	--	--	--	--	--
2017-18	--	--	--	--	--	--	--

4. Courses offered-

Year	Courses	Intake			Actual enrolment			New courses offered
		UG	PG	Ph. D	UG	PG	Ph. D	
2013-14	UG		--	--		--	--	
2014-15	UG		--	--		--	--	
2015-16	UG		--	--		--	--	
2016-17	UG		--	--		--	--	
2017-18	UG		--	--		--	--	

5. Faculty Strength

No. of Teachers Available	Year				
	2013-14	2014-15	2015-16	2016-17	2017-18
Professors	01	01	01	01	01
Asstt. Professors	03	03	03	03	05
Regular	04	04	04	04	06
Adhoc	--	--	--	--	--
Contractual	--	--	--	--	--
Guest faculty	--	--	--	--	--
Visiting Faculty	--	--	--	--	--

Annexure

List of Faculty

Name	Designation	Qualification	Pay	Total experiences	No. of years in the college
Dr Shukla Banerjee	Professor	Ph D English		35	12
Dr Savita Singh	Assistant Professor	Ph D English		25	25
Dr Charlotte D'Souza	Assistant Professor	Ph D English		32	01
Dr Rita Soni	Assistant Professor	Ph D English		32	12
Dr Sunayna Mishra	Assistant Professor	Ph D English		32	01
Dr Harsh Sharma	Assistant Professor	Ph D English		32	29

6. Sanctioned , working strength and Vacant position (Faculty)

Category	Sanctioned			Working			Vacant			Grant total
	Prof.	Asstt. Prof.	Total	Prof.	Asstt. Prof.	Total	Prof.	Asstt. Prof.	Total	
Regular	--	03	03	01	05	06	--	--	--	06
Contract basis	--	--	--		--	--	--	--	--	--

7. Qualification of Faculty

Category	No. of Ph.D.	No. Of M. Phil	Other	Total
Regular	06	--	--	06
Contract basis	--	--	--	--

8. Non Teaching Staff-

- (i) Sanctioned- Nil
- (ii) Working – List to be provided in Annexure
- (iii) Vacant -Nil

9. Research Profile

Year	Research Publication	Research projects	Seminar/conference/ workshop/ synopsis	Other research and consultancy related activity
2013-14	02	--		--
2014-15	02	--		--
2015-16	--	--		--
2016-17	02	--		--
2017-18	14	--		--

Annexure to be prepared

Research Publication

S.No.	Name	Year	Title	Name of Journal	Volume	Page no.
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Research project

S.No.	Name	Year	Title of the project	Funding agency
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Seminar/ Conference/ Workshop/ Symposia

Name of the Department	Year	Title of the Seminar/ Workshop	Funding agency
--	--	--	--
--	--	--	--
--	--	--	--
--	--	--	--
--	--	--	--

10. Teaching learning methods adopted by the department List the methods.

11. Achievements of students (Provide details separately)

Year	Examination	Co curricular activities	Extracurricular activities
2013-14	--	--	--
2014-15	--	--	--
2015-16	--	--	--
2016-17	--	--	--
2017-18	--	--	--

Annexure enlist separately

12. Achievements of Teacher.

Year	Achievement of Teachers	Enclose Details Separately
2013-14	--	--
2014-15	--	--
2015-16	--	--
2016-17	--	--
2017-18	--	--

13. Research scholars enrolled/ Ph. D. Awarded

Year	Name of Supervisor	Research Scholars enrolled	Research completed & Ph.D. awarded
2013-14	Dr Shukla Banerjee Dr Savita Singh	05 05	04 --
2014-15	Dr Shukla Banerjee Dr Savita Singh	06 04	-- 02
2015-16	Dr Shukla Banerjee Dr Savita Singh	05 05	01 --

2016-17	Dr Shukla Banerjee Dr Savita Singh	05 05	-- 01
2017-18	Dr Shukla Banerjee Dr Savita Singh Dr Sunayana Mishra	05 05 05	03 03

Annexure enlist separately

Name of Supervisor	Title of the Research	Year of Registration	Year of Completion/ Ph.D. awarded

14.Board of studies Meeting-

Year	Date of meeting	Resolution passed	Remarks
2013-14	31/10/2013	University Syllabus to be followed for UG FC	
2014-15	04/03/2014	University Syllabus to be followed for UG FC	
2015-16	26/02/2015	University Syllabus to be followed for UG FC	
2016-17	29/09/2016	University Syllabus to be followed for UG FC	
2017-18	25/07/2017	University Syllabus to be followed for UG FC	

15.Selection of students for admission- No PG Course

Year	Total application received	Admission given to candidate of minimum % on merit
2013-14	--	--
2014-15	--	--
2015-16	--	--
2016-17	--	--
2017-18	--	--

16.Selection of contract appointment of teachers

Year	No. of Posts vacant	Application received	Appointment given to candidate on merit
2013-14	--	--	--
2014-15	--	--	--
2015-16	--	--	--
2016-17	--	--	--
2017-18	--	--	--

17.Extension activities done by the Department-

Year	Name of extension activity	Target group	Funds received from
------	----------------------------	--------------	---------------------

2013-14	--	--	--
2014-15	ELTAI Raipur Workshops	Raipur English Teachers	ELTAI & Registration
2015-16	ELTAI Raipur Workshops	Raipur English Teachers	ELTAI & Registration
2016-17	--	--	--
2017-18	CETA	CG English Teachers	CETA & Registration

Annexure- Report & Photographs

18. Facilities of recreation activities-

List of facilities available with the Department

Year	Recreation facilities developed	Funds received from
2013-14	--	--
2014-15	--	--
2015-16	--	--
2016-17	--	--
2017-18	--	--

19. Innovative reforms of the Department-

List of innovative practices under way in the department

Year	Innovative reforms taken	Target group	Impact of reform
2013-14	English Language Society activities. Oral and Writing skills competitions.	Students	Proficiency in English speaking and writing.
2014-15	English Language Society activities: Debate, Essay Competition	Students	Proficiency in English speaking and writing.
2015-16	English Language Society activities: Prepare Students for GD/PI	Students	Improvement in Employment Skills
2016-17	Use of technology through mobiles in the teaching – learning methodology. Teaching through Fun activities.	Students	Development of interest in English language.
2017-18	Environmental Project: Potted plants donated by students.	BSc I st Year students	Environment consciousness and beautification of campus

20. Achievements of the Department-

S. No.	Items	Status before autonomy	Status at present
1	UG intake	--	--
2	PG intake	NA	NA
3	UG Programmes	Foundation Course	Foundation Course
4	PG Programmes	NA	NA
5	M.Phil/ Ph.D.	NA	NA

6	Research publication		
7	Research projects	--	--
8	Organizing seminar/ Conferences	--	--
9	Attending seminar/ conference	--	--
10	Extension activities	--	--
11	Consultancy	--	--
12	Faculty	07	06
13	Faculty with Ph.D.	03	06
14	Infrastructure	--	02 Rooms
15	Library	--	100 Books
16	Result analysis	80%	96%
17	Placement	--	--
18	Any other	--	--

Annexures (English)

Annexure 1 - List of Faculty (Details)

Name	Designation	Qualification	Pay	Total experiences	No. of years in the college
Dr Shukla Banerjee	Professor	Ph D English		35	12
Dr Savita Singh	Assistant Professor	Ph D English		25	25
Dr Charlotte D'Souza	Assistant Professor	Ph D English		32	1
Dr Rita Soni	Assistant Professor	Ph D English		32	12
Dr Sunayana Mishra	Assistant Professor	Ph D English		32	1
Dr Harsh Sharma	Assistant Professor	Ph D English		32	29

Annexure 2 Research Publication

Session	Name	Year	Title	Name of Journal	Volume	Page no.
2013-14	Dr Shukla Banerjee					
	Dr Savita Singh	2013	Visions Unlimited: The Opening Scene of Amitav Ghosh's <i>Sea of Poppies</i>	The Quest A peer Reviewed (ISSN 0971-2321) Ranchi, Jharkhand UGC 41262	Vol. 27, No. 1, June 2013	25-31
		2013	Idioms and English Language Teaching	The Journal of English Language Teaching (ISSN 0973-5208) Chennai, TN	Volume 52/ 4, July-Aug. 2013.	22-30
2014-15	Dr Shukla Banerjee					
	Dr Savita Singh	2014	Postmodernism, Popular Culture and Advertising through <i>Amul's India</i>	The Quest A peer Reviewed Literary JournalISSN 0971-2321 UGC 41262	Vol 28, No: 1 December 2014	119-128
		2015	Environment Issues in Ruskin Bond's Select Short Stories	IJELLH International Journal of English Language, Literature and HumanitiesISSN 2321-7065	Vol 3, Issue 2, April, 2015 Impact Factor: 4.287	
2015-16	Dr Shukla Banerjee					
	Dr Savita Singh					

2016-17	Dr Shukla Banerjee	2017	Pablo Neruda's Verses: An Emblem of Love from Personal to Universal Echelon	Literary Herald An International Refereed English e-Journal (IIJIF)	30th March 2017 Impact Factor:2.24	
	Dr Savita Singh	2017	Creating World Citizens through Creative Digital Teaching of Romantic Poetry	New Man International Journal of Multidisciplinary Studies ISSN 2348-1390	Vol. 4, Issue 5 May 2017 Impact Factor 4.32	16-22
2017-18	Dr Shukla Banerjee	2017	Maya Angelou's Skaker, Why Don't you Sing? : a Paroxysm of Confession	International Journal on Multicultural Literature Vol. 7 No. 2 ISSN- 2231-6248	July 2017	
		2017	Query of Place Through the Light of Eco Criticism in Pablo Neruda's Selected Poems	LangLit, An International Peer-Reviewed Open Access Journal, UGC Approved Journal- Arts and Humanities- Sr. No 49124, Vol.4, Issue 1, ISSN 2349-5189	August 2017 Impact Factor 4.23 UGC 49124	
		2017	Happiness Quotient in Hindi Cinema	Pursuit of Happiness in Contemporary English Literature Proceedings ISBN 978-81-923135-4-2	30-31 January 2018	8-11
		2018	A Wellspring of Spiritual Happiness in the Lyrics of Ravindranath Tagore's <i>Gitanjali</i>	Pursuit of Happiness in Contemporary English Literature Proceedings ISBN 978-81-923135-4-2	30-31 January 2018	300-309

2017-18	Dr Savita Singh	2018	The Postmodern Aesthetic of Freedom and Happiness: the Literature of the Future?	Pursuit of Happiness in Contemporary English Literature Proceedings ISBN 978-81-923135-4-2	30-31 January 2018	486-492
		2018	Postcolonial World in V.S. Naipul's <i>A Bend in the River</i>	International Journal of English Language, Literature and Humanities , vol 6, Issue 2 ISSN 2321-7065	February 2018 Impact Factor 5.7	207-214
		2017	Ambivalence in VS Naipaul's <i>The Mystic Masseur</i>	New Man International Journal of Multidisciplinary Studies ISSN 2348-1390 UGC- 45886	June 2017 Impact Factor 4.32	140-147
2017-18	Dr Charlotte D'Souza	2018	Pursuit of Happiness in Chinua Achebe's <i>Things Fall Apart</i>	Pursuit of Happiness in Contemporary English Literature Proceedings ISBN 978-81-923135-4-2	30-31 January 2018	332-337
2017-18	Dr Rita Soni	2018	Family as a Facilitator for Happiness	Pursuit of Happiness in Contemporary English Literature Proceedings ISBN 978-81-923135-4-2	30-31 January 2018	50-53
2017-18	Dr Sunayana Mishra	2018	Spiritual Happiness in Willa Cather's <i>My Antania</i>	Pursuit of Happiness in Contemporary English Literature Proceedings ISBN 978-81-923135-4-2	30-31 January 2018	425-432

		2018	Quest for Happiness in Sudha Murthy's <i>The Mother I Never Knew</i>	Pursuit of Happiness in Contemporary English Literature Proceedings Organised by CETA ISBN 978-81-923135-4-2	30-31 January 2018	403-415
		2018	Quest for happiness leading to violence in Jhumpa Lahiri <i>The Low Land</i>	Pursuit of Happiness in Contemporary English Literature Proceedings ISBN 978-81-923135-4-2	30-31 January 2018	274-282
		2017	Glimpses of Violence in Chittra Banerjee's <i>Oleander Girl</i>	The Criterion, An International Journal in English, Vol.8, Issue- IV UGC Approved Journal No 768 ISSN 2278-9529	August 2017 UGC 768	200-206
2018-19	Dr Shukla Banerjee	2018	Maya Angelou's Just Give Me a Cool Drink of Water 'fore I Diii: Humanism in Cofession	The Indian Review of World Literature in English (online Journal) Vol. 14 No. II ISSN – 0974-097X	July-December 2018 Impact Factor 4.695	

Annexure 3- Seminar/ Conference/ Workshop/ Symposia

Name of the Department	Year	Title of the Seminar/ Workshop	Funding agency/ Organiser
	2013-14		
	2014-15		
Dr Shukla Banerjee	2015-16	Spoken English Workshop	Govt. Pt. SC Shukla College, Dharsiwa, Raipur, CG
	2015	Attended	RUSA Sponsored Workshops at GNPG College of Science, Raipur 23-27 June 2015
Dr Savita Singh	2015	Workshop on Teaching Speaking Technique and Poetry Appreciation	ELTAI, Raipur Chapter at Rajkumar College, Raipur 25 Nov 2015
	2015	Spoken English Workshop	Govt. Pt. SC Shukla College, Dharsiwa, Raipur, CG
	2015	Attended	RUSA Sponsored Workshops at GNPG College of Science, Raipur 23-27 June 2015
	2015	Conducted Workshop on Common Errors in English Vocabulary	AIIMS, Raipur 5 Nov 2015

	2015	Conducted Workshop on Innovative Methods to Enhance Vocabulary	ELTAI International Conference, Gaziabad, UP 9 – 11 Nov 2015
		Attended and Convened Workshop on Teaching Speaking Technique and Poetry Appreciation	ELTAI, Raipur Chapter at Rajkumar College, Raipur 25 Nov 2015
Dr Rita Soni	2015	Attended	RUSA Sponsored Workshops at GNPG College of Science, Raipur 23-27 June 2015
	2015	Presented Paper on Importance of Value Education	National Seminar on Enhancement Strategies in Quality Education and Research 27 -28 Nov 2015 GNPG College of Science, Raipur
	2015	Capacity Building Workshop on Lab – Techniques & Maintenance	RUSA Sponsored Workshops at GovtNPG College of Science, Raipur 23-27 June 2015
	2015	Attended	RUSA Sponsored Workshops at GovtNPG College of Science, Raipur 23-27 June 2015

Dr Shukla Banerjee	2016-17	Attended National Seminar on Barriers to English Communication: Its Concepts and Problems	GovtDigvijay PG Autonomous College, Rajnandgaon, CG 19- 20 January 2017
Dr Savita Singh	2017	Attended Plenary Session on Building Bridges of Love and Laughter National Seminar on Barriers to English Communication: Its Concepts and Problems	GovtDigvijay PG Autonomous College, Rajnandgaon, CG 19- 20 January 2017
	2017	Plenary Session on Creating World Citizens through Creative Digital Teaching of Romantic Poetry	AICON'17 All India Conference on Digital Engineering organized by CSIT, Durg, CG 21-22 April 2017
	2017	Plenary Session on Beware! Arvind Adiga's White Tiger on a Rampage	Two Day National Conference on SAARC Literature and Culture organized by Mats University, Raipur, CG 25-26 April 2017
Dr Rita Soni	2017	Presented paper on Revival of Sanskrit Language	Sanskrit College Raipur
Dr Harsh Sharma	2017	Attended Two Day National Conference on SAARC Literature and Culture organized by Mats University, Raipur, CG	Mats University, Raipur, CG 25-26 April 2017
Dr Shukla Banerjee	2017-18	Happiness Quotient in Hindi Cinema	National conference on Pursuit of Happiness in Contemporary English Literature Organized by CETA 30-31 January 2018

Dr Savita Singh	2017	Attended	RUSA Sponsored Workshop at Govt. N.P.G College of Science Raipur 20-25 June 2017
	2018	Convened Attended and presented The Postmodern Aesthetic of Freedom and Happiness: the Literature of the Future?	National conference on Pursuit of Happiness in Contemporary English Literature Organized by CETA 30-31 January 2018
Dr Charlotte D'Souza	2017	Attended	RUSA Sponsored Workshop at Govt. N.P.G College of Science Raipur 20-25 June 2017
	2018	Attended and Presented Pursuit of Happiness in Chinua Achebe's <i>Things Fall Apart</i>	National conference on Pursuit of Happiness in Contemporary English Literature Organized by CETA 30-31 Jan 2018

Dr Rita Soni	2017	Attended	RUSA Sponsored Workshop at Govt. N.P.G College of Science Raipur 20-25 June 2017
	2018	Attended and presented Family as a Facilitator for Happiness	National conference on Pursuit of Happiness in Contemporary English Literature Organized by CETA 30-31 Jan 2018
Dr Sunayana Mishra	2018	13 th International and 49 th Annual Conference of ELTAI on NextGen Learners: New Demands, New Responses.	ELTAI 29-30 June 2018
	2018	Attended 3 days workshop at BIT, Durg.	Organized by Durg University.
	2018	Quest for Happiness in Sudha Murthy's <i>The Mother I Never Knew</i>	National conference on Pursuit of Happiness in Contemporary English Literature Organized by CETA 30-31 Jan 2018
	2017	Sundha Murthy's <i>Grandma's Bag of Stories</i> : A manifestation depicting Values	One day Seminar organized by Govt. J.P. Verma P.G Arts and Commerce College, Bilaspur (C.G) 10 Oct 2017

	2017	Quest for Happiness in Sudha Murthy's <i>The Mother I Never Knew</i>	Two Day National Level Seminar Under the AEGIS of ICSSR New Delhi at Govt. D.B. Girls P.G Autonomous college Raipur 16-17 Nov 2017
Dr Harsh Sharma	2017	Attended	RUSA Sponsored Workshop at N.P.G College of Raipur (C.G) 20-25 June 2017
	2018	Attended	National conference on Pursuit of Happiness in Contemporary English Literature Organized by CETA 30-31 Jan 2018

Annexure 4 Research Details

Session	Name of Supervisor	Name of Candidates	Title of the Research	Year of Registration	Year of Completion/ Ph.D. awarded
2013-14	Dr Shukla Banerjee	Divya Chaturvedi	Manifestation of Ineluctable struggle of the Dispossessed in the Select Novels of John Steinbeck	2009	26th July 2013
		Harsh Sharma	Images of India in Expatriate Writings	2008	13th August 2013
		Varsha Gawri	James Fennimore Cooper's Leather stocking Tales: Depiction of an Open Warfare between the Indians and the Whites	2009	2013
		Nabaneeta Munshi	Psychological and Familial Implications in the Select Plays of Arthur Miller	2009	2013
2015-16	Dr Shukla Banerjee	Surendra Sao	Existentialism and Imagination-Reality Dualism in the Poems of Wallace Stevens	2010	30/ 09/2015
2016-17	Dr Savita Singh	Shameena Bano	RuskinBond's Select Short Stories: Fact and Fiction	2012	29 August 2016 CV Raman University

2017-18	Dr Shukla Banerjee	Biju George	Naturalism and Realism in the Select Novels Stephen Crane	2013	01 December 2017 MATS University
		Madhu Shrivastava	Satire on Social Snobbery in the Select Novels of Sinclair Lewis	2013	06 December 2017
		Leena Jacob	Themes in the Select Novels of William Faulkner	2013	28 May 2018 MATS University
2017-18	Dr Savita Singh	Sakshi Prahari	Psycho-analytical Study of the Select Novels of Sir William Golding	2013	19 March 2018
		Reshma Rabbani	A Postcolonial Study of the Select Novels of VS. Naipul	2013	7th April 2018
		Papiya Mondal	Crisis and Cries in 1st World War Poetry	2013	7th April 2018

Extension activities done by the Department-

Year	Name of extension activity	Target group	Funds received from
2013-14			
2014-15			
2015-16			
2016-17			
2017-18			

Annexure- Report & Photographs

Departmental Profile

1. Name of the Department- **GEOLOGY**
2. Year of Establishment – **1948**
3. Infrastructure-
 - (a) Class Rooms available – Numbers and Covered area in Sqft.
 1. PG classroom (room no 17) 41.625 sq meter
 2. PG classroom & library (room no 20) 41.625 sq meter
 3. Museum (room no 19) 115.625 sq meter
 4. Staff room (room no 21) 71.6875 sq meter
 - (b) Laboratories – Numbers and Covered area in Sqft.
 1. Laboratory (room no 18) 85.5625 sq meter
 - (c) List of Equipments lab wise **Attached Encl-I.**
 - (d) Details of Departmental Library

Year	Books Purchased	Journal		CD's	E resources Subscribed	E journal Subscribed	Thesis
		National	International				
2013-14							
2014-15							
2015-16							
2016-17							
2017-18							

4. Courses offered-

Year	Courses	Intake			Actual enrolment			New courses offered
		UG	PG	Ph. D	UG	PG	Ph. D	
2013-14		190	17	01	190	17	01	
2014-15		207	18	00	207	18	00	
2015-16		198	25	00	198	25	00	
2016-17		218	32	02	218	32	02	
2017-18		216	37	01	216	37	01	

5. Faculty Strength

No. of Teachers Available	Year				
	2013-14	2014-15	2015-16	2016-17	2017-18
Professors	04	03	03	03	03
Asstt. Professors	01	01	01	02	01
Regular	05	04	04	05	04
Adhoc	-	-	-	-	-
Contractual	-	-	-	-	-
Guest faculty	-	01	01	-	02
Visiting Faculty	-	-	-	-	-

Annexure**List of Faculty**

Name	Designation	Qualification	Pay	Total experiences	No. of years in the college
Dr S S BHADURIA	Prof & Head	M. Tech. Ph.D	37000+9000	34	22
Dr R. GUHEY	PROF.	M. Tech. Ph.D.	37000+9000	34	30
SRI P. THAKUR	ASSTT. PROF.	M.Sc. GEOL	37000+9000	37	34

6.Sanctioned , working strength and Vacant position (Faculty)

Category	Sanctioned			Working			Vacant			Grant total
	Prof.	Asstt. Prof.	Total	Prof.	Asstt. Prof.	Total	Prof.	Asstt. Prof.	Total	
Regular	01	05	06	02 Promoted	01	03	01	02	03	06
Contract basis										

7.Qualification of Faculty

Category	No. of Ph.D.	No. Of M. Phil	Other	Total
Regular	02	-	01	02
Contract basis				

8.Non Teaching Staff-

- (i) Sanctioned-
- (ii) Working – **Annexure I**
- (iii) Vacant -

9.Research Profile

Year	Research Publication	Research projects	Seminar/conference/ workshop/ synopsis	Other research and consultancy related activity
2013-14	1. Stromatolites of Rehatikhol --- Palaeoenvironmental condition and age. Jour of IAS Vol 32, Jan Dec 2013pp 51-57 Dr Rajeeva Guhey 2. Biotechnology: A paramount tool --- -waste water. Environ Pollu Control Journal Vol 16 No.5 July 2013 Dr Vansutre & Deshmukh (02)	- -	Paper presented in a National Seminar on Sedimentation and Tectonics, Dr Rajeeva Guhey (01)	(00)

2014-15	<p>1. Past present and future of Indravati River Capture: A geomorphological investigation, IOSR Journal of Applied Geology and Geophysics e-ISSN: 2321-0990 Vol 02, Issue 4 2014</p> <p>Dr Sandeep Vansutre, Deshpande and Hari 2014 (01)</p>		<p>Paper presented in a</p> <p>1) National Seminars on Recent Advancement in Mineral and water resources at Govt. Model Science College Rewa</p> <p>2) Participated Authors Workshop (Springer) at Pt RSU Raipur</p> <p>3) National Seminar on enhancement of quality education and research</p> <p>(03)</p>	(00)
2015-16	<p>Assessment of Groundwater Quality, with special reference to Fluoride Contamination in Bhopalpatnam Block, District Bijapur, Chhattisgarh, India. International Journal of Applied Sciences , Vol.5 (2) 2016</p> <p>Korsa Munna, Dr Rajeeva Guhey, D.C. Jhariya (01)</p>		<p>1) presented paper in a National Seminar at Govt Rajiv Lochan College Rajim, Distt. Gariyaband on the topic Global warming - ----- Geologist point of view.</p> <p>(01)</p>	-
2016-17	<p>1) Fluoride contamination in Groundwater around Bhopalpatnam, area District Bijapur, : Adverse effect on human health. Jour of Pt. R.S.U. Vol. 30B 1 &2 pp 90-101</p> <p>(Dr Rajeeva Guhey and Korsa Munna)</p> <p>2) Geochemical Characteristics of Proterozoic Carbonate Lithofacies of Indravati Basin, Chhattisgarh, Central India: Implication of Depositional and Diagenetic History, Journal of Indian Association of Sedimentologists Vol: 34, 1-2, 2017</p> <p>Author: Dr Rajeeva Guhey and Dr K. Mahender</p> <p>(02)</p>		<p>Presented paper in a National Seminar</p> <p>I. UGC sponsored National Seminar at Rewa,</p> <p>(Dr Rajeeva Guhey, Korsa Munna research Scholar)</p> <p>Session chaired by Dr Rajeeva Guhey</p> <p>II. Paper presented in a National level Seminar on Pollution and Environment at Govt Y. Chhattisgarh College.</p> <p>(Dr Rajeeva Guhey)</p> <p>III. National Conference at Department of Zoology, Govt. NPG College of Science Raipur.</p> <p>(Dr Rajeeva Guhey)</p> <p>IV. Paper presented in National Conference organised by Department of Geology BHU, Varanasi.</p> <p>(04)</p>	<p>1. Invited lecture on Remote Sensing at Govt. Ch. Chandrakar Sci. College, Patan, Distt Durg.</p> <p>II. Invited talk on Minerals and Crystal Gift of Nature, at Chhattisgarh Science Centre, Raipur</p> <p>(02)</p>
2017-18	<p>3. Papers communicated.</p> <p>Korsa Munna, Dr Rajeeva Guhey, D.C. Jhariya</p> <p>Email correspondence is with us.</p>		<p>I. Paper presented in a Seminar on Natural resources Environment and Health organised by Department of Geology Govt. Model College Rewa. March 28-29/2017</p> <p>By Dr Rajeeva Guhey</p>	

Research Publication

S.No.	Name	Year	Title	Name of Journal	Volume	Page no.
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Enclosed.

Research project

NA

S.No.	Name	Year	Title of the project	Funding agency
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Enclosed

Seminar/ Conference/ Workshop/ Symposia

Name of the Department	Year	Title of the Seminar/ Workshop	Funding agency
1. Department of Geology	30-31 Jan 2014	Application of Remote Sensing and GIS in Geology	UGC and CGCOST
2. Department of Geology	22/06/2017	Exam Reforms	RUSA

10. Teaching learning methods adopted by the department List the methods.

- 1) Traditional chalk duster,
- 2) LCD Projector,

11. Achievements of students (Provide details separately)

Year	Examination	Co curricular activities	Extracurricular activities
2013-14		Field training of M.Sc. Sem II and IVth And BSc Part III	M.Sc. Students participated in National Science Day
2014-15		Field training of M.Sc. Sem II and IVth. And BSc Part III Training at CGWB Training Centre, Raipur	M.Sc. Students participated in National Science Day
2015-16		Field training of M.Sc. Sem II and IVth. And BSc Part III	M.Sc. Students participated in National Science Day
2016-17		Field training of M.Sc. Sem II and	M.Sc. Students participated in

		IVth. Training at CGWB Training Centre, Raipur	National Science Day
2017-18		Field training of M.Sc. Sem II and IVth. Training at CGWB Training Centre, Raipur	M.Sc. Students participated in National Science Day

Annexure III

12.Achievements of Teacher

Year	Achievement of Teachers	Enclose Details Separately
2013-14	<p>Dr S.S.Bhadauria</p> <ul style="list-style-type: none"> Member governing body kantidarshan computer college Durg(C.G.) <p>Dr R Guhey</p> <ul style="list-style-type: none"> Expert committee in PhD course work presentation. Member Editorial Board of Research Front Journal published by Govt. Digvijay College Rajnandgaon. Research paper published in Journal. <p>Dr Sandeep Vansutre:</p> <ul style="list-style-type: none"> Research Paper published in Journal 	Enclosed
2014-15	<p>Dr S.S. Bhadauria</p> <ul style="list-style-type: none"> Member central board of studies Pt R.S.S. University Raipur Member Board of studies ,Geology Pt R.S University Raipur <p>Dr R Guhey</p> <ul style="list-style-type: none"> Governing Council member in Indian Association of Sedimentologist. Life member of Indian Asso. Sed. Chairperson in National Seminar (enclosed). 	
2015-16	<p>Dr S.S.Bhadauria</p> <ul style="list-style-type: none"> Member Examination committee Geology Pt R.S. University 	Enclosed

	Dr Rajeeva Guhey: <ul style="list-style-type: none"> Paper published (enclosed). Talk on Geology in All India Radio. Poster presentation in National Conference and got IIIrd position. 	
2016-17	Dr S.S.Bhadauria <ul style="list-style-type: none"> Member Science faculty Pt R.S. Univesity Raipur Dr R Guhey <ul style="list-style-type: none"> Lecture delivered on Geology at Chhattisgarh Regional Science Society, Raipur. Paper published (List enclosed) Invited lecture delivered at Govt. C.L. Chandrakar Arts and Science College, Patan, Durg (CG)	
2017-18	Dr S.S. Bhadauria <ul style="list-style-type: none"> Subject expert in selection committee for recruitment of Asstt Professor NIT RAIPUR. Member Board of studies Govt Autonomous college, Durg (CG) Dr R Guhey <ul style="list-style-type: none"> Three papers submitted for publication in reputed Journals. With research scholar. Selection committee judge in 25th National School students Science Congress, (Bal Congress) CGCOST Raipur. Expert committee in PhD course work presentation at Pt RSU. 	Enclosed

Annexure IV

13. Research scholars enrolled/ Ph. D. Awardeds

Year	Name of Supervisor	Research Scholars enrolled	Research completed & Ph.D. awarded
2013-14	Dr R.GUHEY	01	
2014-15	Dr R GUHEY	01	
2015-16	Dr R.GUHEY	01	
2016-17	Dr R GUHEY	03	
2017-18	Dr R.GUHEY	04	One Thesis submitted July18

AnnexureV

Name of	Title of the Research	Year of	Year of Completion/ Ph.D.
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Supervisor		Registration	awarded
Dr. R.GUHEY	Hydrogeochemical Investigations in Bhopalpatnam area, with reference to fluoride contamination in groundwater district Bijapur District CG	2013	Thesis submitted

14. Board of studies Meeting-

Year	Date of meeting	Resolution passed	Remarks
2013-14	30/10/13 12/03/14	Question pattern changed in B.Sc. I	Done
2014-15	13/03/15	Question pattern changed in B.Sc. II	Done
2015-16	14/05/16	Question pattern changed in B.Sc. III	Done
2016-17	13/4/17	Rearrangement of M.Sc. Syllabus Four paper in place of three paper in II and IVth Semester	Done
2017-18	18/04/18	New paper introduced in IVth Semester Question paper pattern changed in M.Sc.	Done

15. Selection of students for admission-

Year	Total application received M.Sc.	Admission given to candidate of minimum % on merit
2013-14	Admission through Central Counselling	09
2014-15	Admission through Central Counselling	10
2015-16	25	19
2016-17	41	20
2017-18	24	20
2018-19	43	25

16. Selection of contract appointment of teachers **NA**

Year	No. of Posts vacant	Application received	Appointment given to candidate on merit
2013-14			
2014-15			
2015-16			
2016-17			
2017-18			

17. Extension activities done by the Department- **NA**

Year	Name of extension activity	Target group	Funds received from
2013-14			
2014-15			
2015-16			
2016-17			
2017-18			

Annexure- Report & Photographs

18. Facilities of recreation activities-

List of facilities available with the Department **N.A.**

Year	Recreation facilities developed	Funds received from
2013-14		
2014-15		
2015-16		
2016-17		
2017-18		

19. Innovative reforms of the Department-

List of innovative practices under way in the department **NA**

Year	Innovative reforms taken	Target group	Impact of reform
2013-14			
2014-15			
2015-16			
2016-17			
2017-18			

20. Achievements of the Department-

S. No.	Items	Status before autonomy	Status at present
1	UG intake	B.Sc.I,80, II 60, III 35 (174)	B.Sc I 91, II 61, III 72 (224)
2	PG intake	17	42
3	UG Programmes	B.Sc.	B.Sc.
4	PG Programmes	M.Sc.	M.Sc.
5	M.Phil/ Ph.D.	04	05 + 3 registered
6	Research publication	International 4 National 12	International 4 National 20
7	Research projects	08	08
8	Organizing seminar/ Conferences	02,	03

		In 1999, and in 2014	
9	Attending seminar/ conference	International 06 National 14	International 06 National 21
10	Extension activities	-	-
11	Consultancy	-	-
12	Faculty	05	03
13	Faculty with Ph.D.	04	02
14	Infrastructure	Museum and Research Centre Lab B.Sc. and M.Sc. Classroom, Staff room,	Museum and Research Centre Lab B.Sc. and M.Sc. Classroom, Staff room
15	Library	Departmental PG library 1691	Departmental PG library 1780
16	Result analysis	UG 90% PG 100%	UG 84% PG 100%
17	Placement	08	Sheet attached
18	Any other	-	-

Department of Geology
List of equipments

1. Ore Microscope
2. Petrological Microscope
3. Water Analysis kit.
4. Resistivity Meter.
5. Geological Hammer
6. Stereoscope
7. Hardness testing kit.
8. Computer Desktop and Laptops.
9. LCD Project
- 10 Photocopy Machine
11. Overhead Projector.
12. Brunton Compass
13. Clinometer Compass.
14. GPS

08 Non Teaching Staff-

(iv) Sanctioned-

(v) Working – Lab Technician-01 Shri G.R. Dhruw
Lab Attendent 01 Shri Nutan Sahu
Farras 01 Smt Ganesia Sahu

(vi) Vacant

Item9. Research Publications:

S. No.	Name	Year	Title	Name of Journal	Volume	Page no.
1.	Dr Rajeeva Guhey	2013	Stromatolites of Rehatikhhol --- Palaeoenvironmental condition and age.	Jour of IAS	Vol 32 2013	pp 51-57
2.	Dr Sandeep Vansutre	2013	Biotechnology: A paramount tool ---- waste water.	Env. Pollu Con Journal	Vol 16 No.5	-
3.	Dr Sandeep Vansutre	2014	Past present and future of Indravati River Capture: A geomorphological investigation, IOSR	Jour of Appl Geol&Geophy	Vol 02, Issue 4 2014	e-ISSN: 2321-0990
4.	Korsa Munna, Rajeeva Guhey, D.C. Jhariya	2016	Assessment of Groundwater Quality, with special reference to Fluoride Contamination in Bhopalpatnam Block, District Bijapur, Chhattisgarh, India.	International Journal of Applied Sciences ,	Vol.5 (2)	pp74-84
5.	Dr Rajeeva Guhey and Korsa Munna	2017	Fluoride contamination in Groundwater around Bhopalpatnam, area District Bijapur, : Adverse effect on human health.	Jour of Pt. R.S.U.	Vol. 30B 1 &2	pp 90-101
6.	Dr Rajeeva Guhey and Dr K. Mahender	2017	Geochemical Characteristics of Proterozoic Carbonate Lithofacies of Indravati Basin, Chhattisgarh, Central India: Implication of Depositional and Diagenetic History,	Journal of Indian Association of Sedimentologists	Vol: 34, 1-2,	pp 39-57

Seminar Certificates:

1. Year 2013: attended National Conference, Organised by Manipur University, Imphal.
2. Year 2015: Attended authors workshop, organized by Springer and Pt. R.S.U. Raipur
3. Year 2015: attended National Conference, Organised by Dept.Geol. Govt. Model College Rewa.
4. Year 2015: Chairperson on the same above seminar at Rewa.
5. Year 2016: National Seminar on environmental Problems by Govt.R.L. College, Rajim, Dist.Gariyaband
6. Year 2016: Poster presentation in National Seminar on Prospects—zoological sciences, Govt. NPG College of Science, Raipur
7. Year 2016: On the above conference, IIIrd prize in Poster presentation.
8. Year 2016: National Conference attended at BHU, organized by IAS.
9. Year 2017: Attended National Seminar on Population and environment by Govt. Chhattisgarh College, Raipur.
10. Year 2017: Attended National Seminar on Natural Resources Environment and Health organised by Department of Geology, Govt. Model Science College, Rewa.

Other activities:

- I. Invited lecture on Remote Sensing at Govt. Ch. Chandrakar Sci. College, Patan, Distt Durg by Dr Rajeeva Guhey.
- II. Invited talk on Minerals and Crystal Gift of Nature, at Chhattisgarh Science Centre, Raipur by Dr Rajeeva Guhey.

DEPTT OF GEOLOGY
GOVT N.P.G. COLLEGE OF SCIENCE,RAIPUR

DEPARTMENTAL PROFILE

Departmental Profile

1. Name of the Department- Hindi
2. Year of Establishment – 1948
3. Infrastructure-
 - (a) Class Rooms available – Numbers and Covered area in Sqft.
 - (b) Laboratories – Numbers and Covered area in Sqft.
 - (c) List of Equipments lab wise
 - (d) Details of Departmental Library

Year	Books Purchased	Journal		CD's	e resources Subscribed	e journal Subscribed	Thesis
		National	International				
2013-14	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2014-15	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2015-16	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2016-17	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2017-18	Nil	Nil	Nil	Nil	Nil	Nil	Nil

4. Courses offered-

Year	Courses	Intake			Actual enrollment			New courses offered
		UG	PG	Ph. D	UG	PG	Ph. D	
2013-14	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2014-15	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2015-16	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2016-17	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2017-18	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

5. Faculty Strength

No. of Teachers Available	Year				
	2013-14	2014-15	2015-16	2016-17	2017-18
04					
Professors	01	01	01	01	01
Asstt. Professors	03	03	03	03	03
Regular	04	04	04	04	04
Adhoc	Nil	Nil	Nil	Nil	Nil
Contractual	Nil	Nil	Nil	Nil	Nil
Guest faculty	Nil	Nil	Nil	Nil	Nil
Visiting Faculty	Nil	Nil	Nil	Nil	Nil

Annexure

List of Faculty

Name	Designation	Qualification	Pay	Total experiences	No. of years in the college
Dr. Renu Saxena	Professor	MA Ph.D.		35 years 4 months	17 years
S.K. Sharma	Assistant Professor	MA		35 years	13 years
Smt. A. Mahto	Assistant Professor	MA		34 years 4 month	11 years
Dr. Vandana Kumar	Assistant Professor	MA, M.Phil., Ph.D.		28 years	11 years

6. Sanctioned , working strength and Vacant position (Faculty)

Category	Sanctioned			Working			Vacant			Grant total
	Prof.	Asstt. Prof.	Total	Prof.	Asstt. Prof.	Total	Prof.	Asstt. Prof.	Total	
Regular	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Contract basis	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

7. Qualification of Faculty

Category	No. of Ph.D.	No. Of M. Phil	Other	Total
	02	01	MA 02	04
Regular	Regular	Regular	Regular	Regular
Contract basis				

8. Non Teaching Staff-

- (i) Sanctioned- Nil
- (ii) Working – List to be provided in Annexure - Nil
- (iii) Vacant - Nil

9. Research Profile

Year	Research Publication	Research projects	Seminar/conference/ workshop/ synopsis	Other research and consultancy related activity
2013-14	Nil		04	-
2014-15	13		19	-
2015-16	08	Minor Research projects	26	-
2016-17	04		09	-
2017-18	05		12	-

Annexure to be prepared

Research Publication

S.No.	Name	Year	Title	Name of Journal	Volume	Page no.

Research project

S.No.	Name	Year	Title of the project	Funding agency
01	Dr. Vandana Kumar	2015-16, 2016-17	हबीब तनवीर के रंगकर्म में अनुस्यूत छत्तीसगढ़ लोक (नाचा के विशेष संदर्भ में)	UGC

Seminar/ Conference/ Workshop/ Symposia

Name of the Department	Year	Title of the Seminar/ Workshop	Funding agency

10. Teaching learning methods adopted by the department List the methods.

Chalk, Black Board

11. Achievements of students (Provide details separately)

Year	Examination	Co curricular activities	Extracurricular activities
2013-14	B.Sc. I 90% B.Sc. II 94% B.Sc. III 96%		
2014-15	B.Sc. I 97.97% B.Sc. II 98.44% B.Sc. III 99.73%		
2015-16	B.Sc. I 89.32% B.Sc. II 99.49% B.Sc. III 99.31%		
2016-17	B.Sc. I 98% B.Sc. II 99% B.Sc. III 99%		
2017-18	B.Sc. I 96.75% B.Sc. II 99.09% B.Sc. III 99.03%		

Annexure enlist separately

12.Achievements of Teacher.

Year	Achievement of Teachers	Enclose Details Separately
2013-14	Nil	Nil
2014-15	Invited as a Renound Poet for recite a poem (only one female poet invite from Chhattisgarh)	Public Relation Office, Govt of CG
2015-16	Nil	Nil
2016-17	Nil	Nil
2017-18	Awarded Professor Nodal Officer Award for Best work in SVEEP Raipur district	Office of District Election Commission

13.Research scholars enrolled/ Ph. D. Awarded

Year	Name of Supervisor	Research Scholars enrolled	Research completed & Ph.D. awarded
2013-14	Dr. Renu Saxena Dr. Vandana Kumar	5	01
2014-15	-	7	02
2015-16	-	8	01
2016-17	-	8	01
2017-18	-	5	01

Annexure enlist separately

Name of Supervisor	Title of the Research	Year of Registration	Year of Completion/ Ph.D. awarded
Nil	Nil	Nil	Nil
Nil	Nil	Nil	Nil
Nil	Nil	Nil	Nil
Nil	Nil	Nil	Nil

14.Board of studies Meeting-

Year	Date of meeting	Resolution passed	Remarks
2013-14	31-10-13	UG Syllabus	-
2014-15	30-08-14	-	-
2015-16	28-02-2015	-	-
2016-17	23-02-2016	-	-
2017-18	27-04-2018	-	-

15.Selection of students for admission-

Year	Total application received	Admission given to candidate of minimum % on merit
2013-14		
2014-15		
2015-16		
2016-17		

2017-18		
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16. Selection of contract appointment of teachers

Year	No. of Posts vacant	Application received	Appointment given to candidate on merit
2013-14			
2014-15			
2015-16			
2016-17			
2017-18			

17. Extension activities done by the Department-

Year	Name of extension activity	Target group	Funds received from
2013-14	Literary Activities	-	Nil
2014-15	Literary Activities	-	Nil
2015-16	Literary Activities	-	Nil
2016-17	Literary Activities	-	Nil
2017-18	Literary Activities	-	Nil

Annexure- Report & Photographs

18. Facilities of recreation activities-

List of facilities available with the Department

Year	Recreation facilities developed	Funds received from
2013-14	Nil	Nil
2014-15	Nil	Nil
2015-16	Nil	Nil
2016-17	Nil	Nil
2017-18	Nil	Nil

19. Innovative reforms of the Department-

List of innovative practices under way in the department

Year	Innovative reforms taken	Target group	Impact of reform
2013-14	Nil	Nil	Nil
2014-15	Nil	Nil	Nil
2015-16	Nil	Nil	Nil
2016-17	Nil	Nil	Nil
2017-18	Nil	Nil	Nil

20. Achievements of the Department-

S. No.	Items	Status before autonomy	Status at present
1	UG intake		
2	PG intake		
3	UG Programmes		
4	PG Programmes		
5	M.Phil/ Ph.D.		
6	Research publication		
7	Research projects		
8	Organizing seminar/ Conferences		
9	Attending seminar/ conference		
10	Extension activities		
11	Consultancy		
12	Faculty		
13	Faculty with Ph.D.		02
14	Infrastructure		
15	Library		
16	Result analysis		
17	Placement		
18	Any other		

Year 2013-2014

Work Shop

- 1 **Chhattisgarhi ka Mankikaran** Sponserd By Pt. Ravishankar Vishva Vidhyalay, Raipur 20th to 26th September 2013 Organized by Sahitya avam Bhasha Adhyayan shala , Raipur,
- 2 **National workshop** ,2013 sponserd By UGC Organised By Govt. NPG college of Science, Raipur
- 3 On Day Consultative Workshop on **Labour Migration in Chhattisgarh** on 12 March 2014 organized by Deshkal Society Delhi presented a paper **Labour Migration in Chhattisgarh**.

Conference

- 1 **National Development in The New Millennium** , Sponsored BY UGC & Chhattisgarh council of science and Technology, Raipur, Organized by Pt. Ravishankar Vishva Vidhyalay, Raipur. Paper Presented 10th To 12th Jan 2013

Research work

Awarded – 2

- 1 Smt. Saroj Chakradhar, Topic- **Hindi Ki Mahila Upnayaskaron ke Upnyason Mein Bhumandalikarn Ka Prabhav**, Date of Award- 13.01.2014.
- 2 Smt. Sushma Gosvami, Topic- **AadhuniktaBodh aour Mridula Garg ke upnayas**, Date of Award- 13.01.2014.

Thesis Sammited -2

- 1 Mr. ChandraShekhar Devangan ,Topic – **Habib Tanveer Ki Rangdristi** , 23.07.2013
- 2 Mr. Pradeep Kumar Sharma, Topic, **Samkalin Hindi Kavya ke Paripekshya Mein Pramod Varma Ki Kavitaon Ka Anushilan** , 2013

Registerd - 2

- 1 Smt. Chhaneshveri Sahu, Topic- **Matreyi Pushpa ke Katha Sahitya Mein Stri Vimarsh** 07.09.2011, Working.
- 2 Mr. Rajendra Bhardvaj , Topik – **Samkalin Hindi Lekhikaon Ki Pratinidhi Aatmakathaon Mein anternihit Anubhutiyan** , Date Of Registretion 22.07.2013. Working.

D R C Inroled – 2

- 1 Smt. Ritu Hota , **Samkalin Hindi Kavita aour Ekant Shrivastav Ka Kavi_karm'**, Working.
- 2 Smt. Mamta Sinh, **S. Ahmed Ki Kahaniyon Mein Anternihit Samvedna**

Research paper Published

- 1 National Development in The New Millennium , Sponsored BY UGC & Chhattisgarh council of science and Technology, Raipur, Orgenized by Pt.Ravishankar Vishava Vidhyalaya, Raipur. Paper Published Souvenir And Abstracts, **Aadhunik Bharat Mein Mahilaon Ki Sthiti** 10th To 12th Jan 2013 ,

Net /Set Pas

- 1 **Pradeep Kumar Sharma** 16-01-2013
- 2 **Saroj chakradhar** Jun, 2013 & December 2013

Year 2014-2015

Research paper Published

- 1 **Hindi ko Nepathay Mein rakhne ki Shajish** , January, 2015 ‘Samagam’, Bhopal ISSN NO. 2231-0479
- 2 **Vashvikaran ke Dour Mein Midiya Ka Charitra** , February, 2015 ‘Samagam’ , Bhopal , ISSN NO. 2231-0479
- 3 **Shiksha Aour Sanchar**, March, ‘Global Research Canvas’, Bhopal ISSN NO. 2394- 5427
- 4 **Matreyi Pushpa Ke Upnyason mein Nari Asmita**, March 2015, ‘Global Research Canvas’, Bhopal ISSN NO. 2394-5427
- 5 **MahilaKathakaron ki Atmakathaon Mein Vividhtayein**, March,2015 ‘Global Research Canvas’, Bhopal ISSN NO. 2394- 5427
- 6 **Vishesh Granthalay ki Aavshyakta** , Govn. Npg college of Science Raipur ke Library science vibhagh ki pustak mein prakashit , 2015 issn no. 978-81-89545-99-4
- 7 **Ankiy Granthalay ka vikas, Govt. Npg college of Science , Raipur ke Library science vibhagh ki pustak mein prakashit , 2015 issn no. 978-81-89545-99- 4**
- 8 **Grathalay Ka Badalta Svrup Aour Grathpalon ki bBadalti Bhumika**, Govt. Npg college of Science Raipur ke Library science vibhagh ki pustak mein prakashit ,2015 issn no. 978-81-89545-99-4
- 9 **Gramin kshetron Ke Vikash Mein Pustkalay Ka Yogdan**, Govt. Npg college of Science Raipur ke Library science vibhagh ki pustak mein prakashit , 2015 issn no. 978-81-89545-99-4
- 10 **Suchana prodhyogiki ttha Grathalaya** , Govt. NPG college of Science Raipur ke Library science vibhagh ki pustak mein prakashit , 2015 issn no. 978-81-89545-99-4
- 11 **Matreyi Pushpa Ke Upnyason Mein Jujhati Nariyan**, July-Sitamber 2015, ‘Global Research Canvas’, Bhopal ISSN NO. 2394-5427

Research work

Awarded – 2

- 1 Mr. Pradeep Kumar Sharma, Topic, **Samkalin Hindi Kavya ke Paripekshya Mein Pramod Varma Ki Kavitaon Ka Anushilan** , Date of Award-15.09.2014
- 2 Mr. ChandraShekhar Devangan , Topic – **Habib Tanveer Ki Rangdristi**, 08.10.2014

Registered - 2

- 1 Smt. Chhaneshveri Sahu, Topic- **‘Matreyi Pushpa ke Katha Sahitya Mein Stri Vimarsh’** 07.09.2011, Working.
- 2 **Mr. Rajendra Bhardvaj** , Topik – **Samkalin Hindi Lekhikaon Ki Pratinidhi Aatmakathaon Mein anternihit Anubhutiyan**, Date of Registretion 22.07.2013. Working.

D R C Inroled – 2

- 1 Smt. Ritu Hota , Topic **Samkalin Hindi Kavita aour Ekant Shrivastav Ka Kavi_karm**, Working.
- 2 Smt. Mamta Sinh, **S. Ahmed Ki Kahaniyon Mein Anternihit Samvedna** Working.

Participation in Seminar

- 1 **Library as a Midium of communication** , Kushabhou Thakre Patrakarita avam Jansanchar Vishwavidyalaya & Govt. NPG college of Science, Raipur Research Paper Presented. 18th-19th September, 2014.

Work shop

- 1 **Capacity Bulding Program for Yong Faculty Of Social Science**, sponsored by Indian council of social science Research, New Delhi & Organized by Govt. D.B. Mahila Mahavidyalay, Raipur from 5th to 17th January, 2015



Participate in Capacity Building Program for Yong Faculty Of Social Science

- 2 **Samkalin Hindi Kavita mein stri: ek vichar** –vimarsh ,Invited as a poet, Raipur Research Paper Presented.. Govt. Khubchand Baghel pg college Bhilai- sponserd By UGC 2nd-3rd March,2015



On Govt. Khubchand Baghel pg college, Bhilai Recite A Poem

- 3 **Aakar Paramparik Shilap avem Kala Prashikshan** , Raipur 21 April to 5th May 2015

Sammelan

- 1 **Raipur Sahitya Mahotsava** 12,-14 December, 2014 Invited as a Renound Poet for recite a poem And as a Panelist . Sponsored By Govt. of Chhattisgarh Raipur Jansampark Vibhag.



Dr. Vandana Kumar is Only One Female Poet who Recite A poem in **Raipur Sahitya Mahotsava** From Chhattisgarh.

- 2 **Mahila SahityaKar Sammelan**, Organized By Chhattishgarh Rajbhasha Aayoga, Raipur, 14th Agust, 2014. Had invited me for resiting a poem.

Symposium

1 **Distributed computing and network communication**, Organized by Govt. NPG college of Science, Raipur sponserd Bycgcost Raipur 30 January 2015 .

2 **State Lavel Convention Organized by National Confederation Of Dalit Organization(NACDOR)& DR. RadhaBai Govt. Naveen Kanya Mahavidyalaya, Raipur . 25th November 2014**

Member of Paramarsh Mandal

- 1 Member of **Paramarsh Mandal Global Research Canvas** ,Research Journal Bhopal ISSN NO. 2394-5427
- 2 Member of **Editorial Bord Pandulipi Litrery Magazine**, Publish By Pramod varma Smriti Sansthan, Raipur
- 3 Member of **ShaktiMahila Vigyan Bharti Samiti**, Raipur , Registration No. 1276, Date 13 June 2011

Year 2015-2016

Minor Research Project

Research Projects (Title , funding agency and fund received)	Minor Research Project
Principal Investigator	Dr. VANDANA KUMAR
Title - Habib Tanveer ke Rangkarm mein anusyut Chhattisgarhi lok (Nacha ke vishesh sanderbh mein)	
Funding agency - UGC letter No. (f.no. MH-15/202038/15-16/cro Date 31.3.2016 .)	
Fund received - 2,55,000 . 00 (Two Lakh Fifty Five Thousand only)	

Published Book

- 1 **Aankho Mein Aakash**, Prakashan Sanstha, Dariya Gang, New Delhi ,2016
ISBN NO.978-81-7714-562-5

Research paper Published In International Journal

- 1 **Hashiyakrit Nariyan aour Matreyi Pushpa Ke Upnyas**, Research Link An International Journal 143 vol-xiv (12) February 2016 ISSN No. 0973-1628
Impact Factor 2.782

Research paper Published In National Journal

- 1 **Stri Vimarsh Naya Prashan Nayi Chunoutiyan**, Aajkal , october , 2015,
ISSN NO. 0971-8478
- 2 **Rashtriya Smriti, Sanskriti Aour Hindi Bhasha**, September 2015 Page 59-61 ,
Research Journal - Samagam , Bhopal ISSN NO. 2454-2775

- 3 **Matreyi Pushpa Ke Upnyason Mien Jujhti Nariyan** , July sitember 2015, Global Research Canvas, Bhopal ISSN NO. 2394-5427
- 4 **Hindi Aour Lok Sahitya**, January- March 2016, Global Research Canvas, Bhopal, ISSN NO. 2394-5427
- 5 **Bhagvat Gita Ke Updesh avem shiksha** , April- Jun ,2015 Global Research Canvas, Journal Bhopal ISSN NO. 2394- 5427
- 6 **Hindi Aour Lok Bhashaein**, January- March 2016, Global Research Canvas, Journal Bhopal, ISSN NO. 2394-5427

Participation in Seminar

- 1 **Kabir Mahan Sancharak**, Kushabhau Thakre Patrakarita avam Jansanchar Vishwavidyalaya & Govt. NPG college of Science, Raipur Research Paper Presented. 9th to 10th october, 2015 Presented Paper–Kabir Mahan Sancharak
- 2 **Hindi aur Lok Bhashaein** , Sponserd By Bharat Sarkar Kendriy Hindi Nideshalay avam pt. Ravishankar Vishvvidhyalay, Raipur 29th to 1, 2 Febuary 2015
- 3 **Enhencement Strategies in Quality Education And Research**, 27th to 28th November, 2015, Presented Paper, organized by Internal Quality Assurance Cell (IQAC) , Govt. NPG college of Science, Raipur

Research work

Registered -3

- 1 Smt. Chhaneshveri Sahu, Topic- **Matreyi Pushpa ke Katha Sahitya Mein Stri Vimarsh** 07.09.2011, Working.
- 2 Mr. Rajendra Bhardvaj , Topik - **Samkalin Hindi Lekhikaon Ki Pratinidhi Aatmakathaon Mein anternihit Anubhutiyan**, Date of Registretion 22.07.2013. Working.
- 3 Smt. Ritu Hota , **Samkalin Hindi Kavita aour Ekant Shrivastav Ka Kavi_karm'**, Date of Registretion -04.08.2014, Working.

DRC In roled – 1

- 1 Smt. Mamta Sinh, **S. Ahmed Ki Kahaniyon Mein Anternihit Samvedna**, Working.

Durdarshan Mein Kavya Path

- 1 Durdarshan Mein Kavya Path Dipavali Ke Avser Par Dhanterash , 15th October, 2015

Participation in Seminar

- 1 **Library as a Midium of communication** , Kushabhou Thakre Patrakarita avam Jansanchar Vishwavidyalaya & Govt. NPG college of Science, Raipur Research Paper Presented. 18th-19th September, 2014.

Work shop

- 1 **Quality Education**, RUSA SPONSORED , Work Shop, ORGANISED ON Govt. NPG college of Science, Raipur , 23th Jun , 2015.
- 2 **Governance, Leadership&Managment**, RUSA SPONSORED , Work Shop, ORGANISED ON Govt. NPG college of Science, Raipur ,24th Jun , 2015.
- 3 **Examination Reforms**, RUSA SPONSORED , Work Shop, ORGANISED ON Govt. NPG college of Science, Raipur , 25th Jun , 2015.
- 4 **Strategies Development And Deployment To Achieve Access, Equity And Excellence in Higher System**, RUSA SPONSORED , Work Shop, ORGANISED ON Govt. NPG college of Science, Raipur , 26th Jun , 2015
- 5 **Career Guidance**, RUSA SPONSORED , Work Shop, ORGANISED ON Govt. NPG college of Science, Raipur , 27th Jun , 2015
- 6 **Samkalin Hindi Kavita mein stri: ek vichar** –vimarsh ,Invited as a poet . Research Paper Also Presented 2015. Govt. Khubchand Baghel pg college Bhilai-3 sponserd By UGC
- 7 **Aakar Paramparik Shilap avam Kala Prashikshan** , Raipur 21 April to 5th May 2015

Sammelan

- 1 **Raipur Sahitya Mahotsava** 12,-14 December, 2014 Invited as a Renound Poet for resite a poem And as a Panalist . SponserdBy GOvt. of Chhattisgarh Raipur Jansampark Vibhag.

- 2 Chhattishgarh Rajbhasha Aayoga, Raipur, 14th Augst 2014 Mahila SahityaKar Sammelan As a Poet for resiet a poem

Symposium

- 1 **Distributed computing and network communication**, Organized by Govt. NPG college of Science, Raipur sponserd Bycgcost Raipur 30 January 2015 .
- 3 **State Lavel Convention Organized by National Confederation Of Dalit Organization (NACDOR) & DR. RadhaBai Govt. Naveen Kanya Mahavidyalaya, Raipur . 25th November 2014**

Paramarsh Mandal

- 1 Member of **Paramarsh Mandal Global Research Canvas** , Research Journal Bhopal SSN NO. 2394-5427
- 2 Member of Editorial Bord **Pandulipi** Litrary Magazine, Publish By Pramod varma Smriti Sansthan, Raipur
- 3 Member of **ShaktiMahila Vigyan Bharti Samiti**, Chhattisgarh Raipur Registration No. 21276, Date 13 June 2011

Year 2016-2017

Minor Research Project

Research Projects (Title , funding agency and fund received)	Minor Research Project
Principal Investigator	Dr. VANDANA KUMAR
Title - Habib Tanveer ke Rangkarm mein anusyut Chhattisgarhi lok (Nacha ke vishesh sanderbh mein)	
Funding agency - UGC letter No. (f.no. MH-15/202038/15-16/cro Date 31.3.2016 .)	
Fund received - 2,55,000 . 00 (Two Lakh Fifty Five Thousand only)	

Research work

Ph.D. Awarded -1

- 1 Smt. Chhaneshveri Sahu, Topic- **Matreyi Pushpa ke Katha Sahitya Mein Stri Vimarsh** 31.03.2017.

Ph.D. Registered - 3

- 1 Mr. Rajendra Bhardvaj , Topik – **Samkalin Hindi Lekhikaon Ki Pratinidhi Aatmakathaon Mein anternihit Anubhutiyan**, Date of Registretion 22.07.2013. Working.
- 2 Smt. Ritu Hota , **Samkalin Hindi Kavita aour Ekant Shrivastav Ka Kavi_karm**, Date of Registretion -04.08.2014, Working.
- 3 Smt. Mamta Sinh, **S. Ahmed Ki Kahaniyon Mein Anternihit Samvedna**, 08.11.2016Working.

Research paper Published In International Journal

- 1 **Hindi Ki Do Dalit Mahila Aatma Kathaon Ka Tulnatmak Anushilan**, Research Link An International Journal 156 vol-xvi (1) March 2017 ISSN No. 0973- 1628 Impact Factor 2.782
- 2 **Surdas Ka Vatsallaya Prem**, International Journal of Reviews And Research in Social Sciences (IJRRSS) ISSN No. 2347-5145(Print), 2454-2687 (Online)

Research paper Published In Souvenir And Abstracts

- 1 **Surdas Ka Vatsallaya Prem**, Hindi Sahitya Mein Prem Ki Abhivaykti ke Vividh Aayam', Govt. Dr. VV Patankar Kanya PG college Durg Ki Seminar Patrika mein Shodh Sankshepika Published. 2017
- 2 **Hindi Sahitya Mein Prem Ki Abhivaykti ke Vividh Aayam**, Govt. Dr. V V Patankar Kanya P G college Durg Ki Seminar Patrika mein Shodh Sankshepika Published.2017
- 3 **Sanskritik Jagrukta aour Bhashayi Dayitva**, Paper Published Souvenir And Abstracts, National Seminar On 'Status of Languages (English & Hindi) In Higher Education In The Present Scenario' Sponsored By UGC , Organized By The Department of English & Hindi , Bhilai Mahilavidyalaya 24-25 January 2017
- 4 **Anuvad : Ek Kala**, Paper Published Souvenir And Abstracts, National Seminar On 'Status of Languages (English & Hindi) In Higher Education In The Present Scenario' Sponsored By UGC , Organized By The Department of English & Hindi , Bhilai Mahilavidyalaya 24-25 January 2017

Published Interview

- 1 **Nari Kahin Bhi Kabhi Bhi Kamzor Nahi** Jankriti, International Research Journal, ISSN No. 2454-2725 Impact Factor 2.0202 (GIF),

Participation in conference

- 1 ' National Conference on Factors of Poor Learning : Challenges, Opportunities and practices for Learning Improvement in socially Diverse Elementary school of India' Sponsored By Language and Learning, Save The Children , Paks , Sulabh, Organized by Deshkal society, Delhi, Held at India International Center New Delhi.2nd to 4th September 2016, Presented a Paper Intituled **Factors of Poor Learning in India.**

Participation in National Seminar

- 1 **Lerning Centered Padagagy** National Seminar Organized by council of Educational Research and Trening Chhattisgarh Raipur (SCRT) , 1st to 3rd February , 2017
- 2 National Seminar On **Status of Languages (English & Hindi) In Higher Education In The Present Scenario** Sponsored By UGC , Organized By The Department of English & Hindi , Bhilai Mahilavidyalaya 24-25th January, 2017 Presented a Paper '**Sanskritik Jagrukta aour Bhashayi Dayitva**'.
- 3 Presented a Paper – **Hindi Ki Mahila Aatmkathakaron ki pratinidhi Aatmakathaon mein Prem ki Abhivyakti Ke vividh Rup** National Seminar On '**Hindi Sahitya Mein Prem Ki Abhivayakti ke Vividh Aayam**', Sponsored By UGC , Organized By Govt. Dr. V V Patankar Kanya P G college, Durg. 7th to 8th February 2017.
- 4 National Seminar On **Lok Sahitya Mein JanJatiya Saskriti V Pramptra** ,Sponsored By UGC , Organized By Govt. Rajivlochan Mahavidhyalaya, Rajim . 6th to 7th January, 2017 .
- 5 '**Anuvad : Ek Kala**', Paper Presented, National Seminar On 'Status of Languages (English & Hindi) In Higher Education In The Present Scenario' Sponsored By UGC, Organized By The Department of English & Hindi , Bhilai Mahilavidyalaya 24-25 January 2017
- 6 **Surdas Ka Vatsallaya Prem**, Paper Presented in National Seminar Sponsored By UGC , Organized By Govt. Dr. V V Patankar Kanya PG college, Durg. Hindi Sahitya Mein Prem Ki Abhivayakti ke Vividh Aayam', 7th to 8th February 2017.

1 **Saroj Chakradhar** JRF July, 2016

Year 2017-2018

Minor Research Project

Research Projects (Title, funding agency and fund received)	Minor Research Project
Principal Investigator	Dr. VANDANA KUMAR
Title - Habib Tanveer ke Rangkarm mein anusyut Chhattisgarhi lok (Nacha ke vishesh sanderbh mein)	
Funding agency - UGC letter No. (f.no. MH-15/202038/15-16/cro Date 31.3.2016 .)	
Fund received - 2,55,000 . 00 (Two Lakh Fifty Five Thousand only)	

Award -

- 1 Awarded of Pradhyapak Nodal Officer Award, to Dr. Vanadana kumar For Best Work Done Sweep Activity In District Raipur & 7 Thousand Rupees give on Rashtriya Matdata Divas 25th January 2019 By Karyalaya Collector Avam Jila Nirvachan Adhikari Jila Raipur, Chhattisgarh.**



Research work

Ph.D. Awarded – Nil

Ph.D. Summited -01

- 1 Mr.Rajendra Bhardvaj, **Topik–Samkalin Hindi Lekhikaon Ki Pratinidhi Aatmakathaon Mein Anternihit Anubhutiyan**, Date of Summation 23.7.2018

Ph.D. Registered - 02

- 1 Smt. Ritu Hota , **Samkalin Hindi Kavita aour Ekant Shrivastav Ka Kavi_karm**, Date of Registretion -04.08.2014, Working.
- 2 Smt. Mamta Sinh, **S. Ahmed Ki Kahaniyon Mein Anternihit Samvedna**, 08.11.2016 Working.

DRC Registered Course work competed – 01

- 1 Mr. Praveen Yadav. **Samkalin Hindi Ki Mahila Kavyitriyon Ki kavitaon Mein Pratirodh Ke Svar** Going For Registration – February , 2019

Panelist

Women’s Wellness: Impact of Health and Cuture, Organized by Sanskriti vibhag chhattisgarh shashan Raipur & Shakti Chhattisgarh, National Seminar Date 28th to Jun, 2018.



Sanskriti vibhag Chhattisgarh, Raipur & Shakti Chhattisgarh Mein Penal Disction Mein Bolte Huve

Gest Lecture

Lecture in Hindi Divas , in Pragati College, Raipur . 14.09.2018



Lecture in Hindi Divas in Pragati College, Raipur

Research paper Published In International Journal

- 1 **Rajendra Yadav Aour Mannu Bhandari Ki Aatmkathaon Ka Vivechan**, Research Link An International Journal 157 vol-xvi (2) April, 2017 ISSN No. 0973-1628 Impact Factor 2.782
- 2 **Habib Tanveer Ke Rangkarm Mein Anusyut Chhattisgarhi Lok, Research Link** An International Journal 162 vol-xvi (8) October 2017 ISSN No. 0973-1628 Impact Factor 2.782
- 3 **Akant Shrivastav Ki Kavitaon Mein Lok-Rag**, Research Link An International Journal 163 vol-xvi (7) September,2017 ISSN No. 0973-1628 Impact Factor 2.782
- 4 **Dohra Abhishap Aatmkatha Mein Nihit Dalit Chetna** Research Link An International Journal 162 vol-xvi (7) September, 2017. ISSN No. 0973- 1628 Impact Factor 2.782
- 5 **Ek Aour Manto S. Ahmed**, Research Link An International Journal 164 vol-xvi (9) November, 2017 ISSN No. 0973-1628 Impact Factor 2.782

Published Interview In International Journal-

- 1 **Matreyi Pushpa Se Dr. Vandana Kumar Avem Mr. Rajendra Bhardvaj Ki Batchit, Jankriti**, International Research Journal, ISSN No. 2454-2725 Impact Factor 2.0202 (GIF), Vol 2 ISSUe 24 April, 2017.
- 2 **Samaj Ko Aayina Dikhati Hain Ye Aatmakathayein Ramnika Gupta, Jankriti**, International Research Journal, ISSN No. 2454-2725 Impact Factor 2.0202 (GIF), Vol 3 Issue 25-26 May-Jun, 2017.

Published chapter In Book

- 1 **Stri Asmita Ka Prashan Published By Shakti**, ChhattisgarhDvara Prakashit Pustak Mein

Abstract paper Published In International Confrence & Seminar Souvenir –

- 1 **Vashvik Jivan Mulaya aour Ramkatha**, National Seminar Date 23-24 April, 2018 Organized by Hindi Vibhag Govt PG college Gadhkota Sagar MP , Also Presented Paper **Ramkarha Aour Vashvik Mulaya** .
- 2 **Akhand Bharat Aour Hindi**, Kendriya Hindi Nideshalay avam Pt. Sundarlal Sharma open university, Bilaspur ke souvenir mein Prakashit 24th to 26th August 2017
- 3 **Bhartiya Vashvik Netritva Mein Bhasha Avam Sahitya Ka Yogdan**, 15th to 17th October, 2017 Guru Ghasidas University Bilaspur and Bharat Shikshan Mandal Nagpur Ke Souvenir Mein Prakashit
- 4 **Samkalin Hindi Mahila Aatmakathaon Mein Nihit Asmitamulak Vichar**, Kala avam Manviki Adhayayan shala Hindi vibhag, Mats University Raipur, **Research Paper published in Seminar Souvenir** 27-28 october 2017

Participation in International Seminar

- 1 **Bodh Gaya Globel Dialogues on Sunstainable Development Heritage and Enlightenment**, 9-12th March, 2018. Presenred Paper- **Habib Tanveer Ke Rangarm mein Chhattisgarhi Lok** , Orgganized By Deshkal society, Delhi. Association with Indian Council of world Affairs, Indira Gandhi National Center Of Arts, MIniistry of culture, Government of India Water Aid , Delhi University, Bodhgaya Temple Management committee



Bodh Gaya Globel Dialogues Mein Ek session Chair karte Huve



Bodh Gaya Globel Dialogues Mein Ek session Chair karte Huve

Participation in National Seminar

- 1 **Recent Trend In Library Services**, National Seminar Date 01.06.2018
Organized by Pt. Ravishankar University Raipur & Govt. NPG college of Science, Raipur Presented a Paper - **Recent Trend In Library Services**
- 2 **Women's Wellness: Impact of Health and Cuture**, Organized by Sanskriti vibhag chhattisgarh shashan Raipur & Shakti Chhattisgarh, National Seminar Date 28th to Jun, 2018. Presented Paper **Stri Asmita Ka Prashan**
- 3 **Muktibodh Janmshati Par Ayojit Seminar**, Date 13.11.2017 **Andhere Mein Antahkaran** Vrindavana Hall Raipur .
- 5 **E-Resources and Life Long Learning**, National Seminar Date 28.06.2017
Organized by CG COST Raipur, Pt. Ravishankar University Raipur & Govt. NPG college of Science, Raipur Presented a Paper - **E- Resources and Life Long Learning**



Presented a Paper - E- Resources and Life Long Learning

6 Manthan : Cyber Surksha , organized by Rashtriya Surksha Jagran Manch CG chapter 19-20 July, 2018

Participation in National Workshop

1 Plagiarism And IPR : A Prime concern For Academia, National Workshop Date 2nd to 3rd Jun, 2018 Organized by Pt. Ravishankar University Raipur & Govt. NPG college of Science, Raipur Presented a Paper –

Invited As a Poet

Sindi Sahitya Akadami Raipur Chhattisgarh 27th September 2018



**Sindi Sahitya Akadami Raipur, Chhattisgarh Mein
Kavaya Path Karte Hyve**

Set Pas Ph.D. Student – 1 Mr. Rajendra Bhardvaj - 2017

Year -2018-2019

Minor Research Project

Research Projects (Title, funding agency and fund received)	Minor Research Project
Principal Investigator	Dr. VANDANA KUMAR
Title - Habib Tanveer ke Rangkarm mein anusyut Chhattisgarhi lok (Nachra ke vishesh sandarbha mein)	
Funding agency - UGC letter No. (f.no. MH-15/202038/15-16/cro Date 31.3.2016)	
Fund received - 2,55,000 . 00 (Two Lakh Fifty Five Thousand only)	

Report Submitted

Research paper Published In International Journal

- **Anubhuti Chitran Ki Drishti Se Samkalin Hindi Aatmakatha Lekhikaon Ke Pradey ka Chitran, Research Link- Issu 172 ISSN No. 0973-1628 Impact Factor 2.782 Page 52-54**
- **S. Ahmed Ki Rachnaon Mein Aadivasi avam Dalit Vimarsh, Research Link- Issu 171 ISSN No. 0973-1628 Impact Factor 2.782 Page 106-107-54**

Research paper Published In National Journal

- **Hindi Ki Samkalin Mahila Aatmakathayein Aghoshit Dastavej Samagam , July 2018 Ank -6, Issn No. 2231-0479, Page 36-39**
- **Nataya Karm Ke Gandhi : Habib Tanveer , Samagam January 2018, Ank -12 , Page 32-35, Issn No. 2231-0479**

Published Interview In International Journal-

- **Sushila Takbhoure Se Vandana Kumar avam Rajendra Bhardvaj Ki Batchit , Jankriti**, International Research Journal, ISSN No. 2454-2725 Impact Factor 2.0202 (GIF), Vol 4 ISSU41 , September, 2018 Page 123-132
- **Matreyi Pushpa Se Dr. Vandana Kumar Avam Mr. Rajendra Bhardvaj Ki Batchit, Jankriti**, International Research Journal, ISSN No. 2454-2725 Impact Factor 2.0202 (GIF), Vol 4 ISSUe ISSU 41 , September, 2018, Page- 112-117
- **Samaj Ko Aayina Dikhati Hain Ye Aatmakathayein Ramnika Gupta, Jankriti**, International Research Journal, ISSN No. 2454-2725 Impact Factor 2.0202 (GIF), Vol 4 2018. ISSU 41, September, 2018 , Page 45-52

Participation in National Seminar

- **Manthan Syber Surksha , Rastriy Surkksha Jagaran Manch Chhattisgarh Chapter, Raipur. 19-20 July, 2018,**
- **Recent Trend in Library Services, 1 Jun 2018 Organise By Pt. Sunderlal Sharma Library & Sos In Library & Info. Science Pt. Ravishankar University Raipur &Govt. Nagarjuana Post Graduate College Of Science Raipur.**
- **A Prime Concern For Academia, 2-3 Jun, 2018 Organise By Pt. Sunderlal Sharma Library & Sos In Library & Info. Science Pt. Ravishankar University Raipur &Govt. Nagarjuana Post Graduate College Of Science Raipur.**



me'n Wellness: Impact of Health and Culture 28th -29th July 2018 Shakti , Chhattisgarh Organizes Culture Department ChhattisGarh State & Pt. Ravishankar University, Raipur

Participation in International Seminar

- **Vashvik Jivan Mulya Aour Ramkatha, 23-24 April-2018 Ramkatha Aour Vashvik Mulaya, ShodhPatra Prastut , Organizes Hindi Vibhag Govt. Pg College Gadhkota, Sagar (MP)**

Invited As a Guest Speaker

- **Pragati College Raipur 14 September 2018 Hindi Dives Par Lecture.**



**Pragati College, Raipur 14 September , 2018 Hindi Dives
Par Lecture.**

Ph.D Awarded

1 Mr. Rajendra Bhardvaj Febuary, 2019

Departmental Profile

1. Name of the Department- **Information Technology**

2. Year of Establishment – **UG-2002 PG -2018**

3. Infrastructure-

(a) Class Rooms available – **Nil**

(b) Laboratories – **01 Lab (Area- Length- 31'1", Width- 19'6")**.

(c) List of Equipments lab wise- **34 Computers and 1 Printer**.

(d) Details of Departmental Library

Year	Books Purchased	Journal		CD's	e resources Subscribed	e journal Subscribed	Thesis
		National	International				
2013-14	Nil						
2014-15	Nil						
2015-16	Nil						
2016-17	Nil						
2017-18	Nil						

4. Courses offered-

Year	Courses	Intake			Actual enrollment			New courses offered
		UG	PG	Ph. D	UG	PG	Ph. D	
2013-14	B.Sc. IT	60	Nil	Nil	60	Nil	Nil	Nil
2014-15	B.Sc. IT	60	Nil	Nil	60	Nil	Nil	Nil
2015-16	B.Sc. IT	60	Nil	Nil	60	Nil	Nil	Nil
2016-17	B.Sc. IT	60	Nil	Nil	60	Nil	Nil	Nil
2017-18	B.Sc. IT	60	Nil	Nil	60	Nil	Nil	Nil

5. Faculty Strength

No. of Teachers Available	Year				
	2013-14	2014-15	2015-16	2016-17	2017-18
Professors	Nil	Nil	Nil	Nil	Nil
Asstt. Professors	Nil	01	01	01	02
Regular	Nil	Nil	Nil	Nil	Nil
Adhoc	Nil	Nil	Nil	Nil	Nil
Contractual	Nil	Nil	Nil	Nil	Nil
Guest faculty	02	01	01	01	Nil
Visiting Faculty	Nil	Nil	Nil	Nil	Nil

Annexure

List of Faculty

Name	Designation	Qualification	Pay	Total experiences	No. of years in the college
Mrs. Yogeshwary Pal	Asst. Prof.	M.Sc., M. Phil	63000	05 years	1 ½ years
Dr. Surendra Kumar Patel	Asst. Prof.	M.Sc., M. Phil, Ph.D.	63000	11 Years	4 ½ years

6. Sanctioned , working strength and Vacant position (Faculty)

Category	Sanctioned			Working			Vacant			Grant total
	Prof.	Asst. Prof.	Total	Prof.	Asst. Prof.	Total	Prof.	Asst. Prof.	Total	
Regular	01	02	03	Nil	02	02	01	Nil	01	
Contract basis	01	Nil	01	01	Nil	01	Nil	Nil	Nil	

7. Qualification of Faculty

Category	No. of Ph.D.	No. Of M. Phil	Other	Total
Regular	01	01	-	02
Contract basis	-	01	-	01

8. Non Teaching Staff-

- (i) Sanctioned- **01 Lab Technician, 01 Lab Asst., 01 Peon**
- (ii) Working – List to be provided in Annexure
- (iii) Vacant - **Nil**

9. Research Profile

Year	Research Publication	Research projects	Seminar/conference/ workshop/ synopsis	Other research and consultancy related activity
2013-14	05	-	-	-
2014-15	03	-	-	-
2015-16	Nil	-	02	-
2016-17	Nil	-	-	-
2017-18	Nil	-	01	-

Annexure to be prepared

Annexure (Research Publication)

S.No.	Name	Year	Title	Name of Journal	Volume/ISSN/ISBN No.	Page no.
1	Dr. Surendra Kumar Patel	2013	A Review on Peer-to-Peer Grids Computing,5(3)	Research Journal of Science and Technology	0975-4393	
2	Dr. Surendra Kumar Patel	2013	Mobile Sensor Networks: A Review ,(3)	Research Journal of Science and Technology	0975-4393	
3	Dr. Surendra Kumar Patel	2013	Energy Efficient Aspects of Grid Computing	Recent Trends in Green Computing	-	
4	Dr. Surendra Kumar Patel	2014	Impact of Information and Communication Technology in the Development of Network Services	International Journal for Research in Applied Science and Engineering Technology	Volume 2 2321-9653	
5	Dr. Surendra Kumar Patel	2014	Grid Computing: Status of Technology in Current Perspective	International Journal of Software & Hardware Research in Engineering	Volume 2 2347-4890	
6	Dr. Surendra Kumar Patel	2015	Implementing Job Scheduling to Optimize Computational Tasks in Grid Computing using PSO,	-	0975-8887	
7	Dr. Surendra Kumar Patel	2015	Implementing Job Scheduling to Optimize Computational Tasks in Grid Computing using PSO,	-	-	
8	Dr. Surendra Kumar Patel	2015	Evaluate the Effect of Mobility in Mobile Sensor Networks	-	-	

Research project- Nil

S.No.	Name	Year	Title of the project	Funding agency

Seminar/ Conference/ Workshop/ Symposia

Name of the Department	Year	Title of the Seminar/ Workshop	Funding agency
IT and Computer Science department	2014-15	“Distributing Computing and Network Communication”	CGCOST
	2015-16	“Multimedia and computer Network”	SPITL Education
IT, Computer Science and Mathematics Department	2017-18	“Cryptography and Network Security”	UGC & CGCOST

10. Teaching learning methods adopted by the department List the methods.

- By Chalk & Duster
- By Computer

11. Achievements of students (Provide details separately)

Year	Examination	Co curricular activities	Extracurricular activities
2013-14	-	-	-
2014-15	-	-	-
2015-16	-	08 Students (List Attached)	-
2016-17	-	-	-
2017-18	-	-	-

Annexure enlist separately

Annexure(Achievements of students)

S. No.	Name of Student	Class	Achivement	Remarks
1.	Himanshu Yadav	B.Sc. III (IT)	Best Cadet award of Raipur Group	Attending DCATC-I(RDC) Raipur, National Level Competition
2.	Mahendra Singh Vaidya	B.Sc. III (IT)	Gold Medal in Essay writing	At CATC Agriculture College Raipur
3.	Vijaylaxmi Sahu	B.Sc. II (IT)	Gold Medal in Speech Competition, IIIrd prize in drill competition	At CATC Agriculture College Raipur
4.	Kanchan Sahu	B.Sc. II (IT)	1 st prize Gold Medal in Debit Competition	At CATC Agriculture College Raipur
5.	Komesh Rani Sahu	B.Sc. III(IT)	Company Vipro post Tech Support	
6.	Laxmi Sinha	B.Sc. III (IT)	Special Best Cadet, Best Cadet for commanding, Gold medal for dance	At CATC Agriculture College Raipur, ATSC Bangluru, NIC Uttarakhand
7.	Ravi Mishra	B.Sc. III (IT)	Special Best Cadet, Gold medal for Troop Senior, Selecting for MolanKan Firing Camp	At CATC Agriculture College Raipur
8.	Sakshi Saxena	B.Sc. III (IT)	Attended CATC at Disha College, RDC-I at Govt. School, Bhilai	

12. Achievements of Teacher.

Year	Achievement of Teachers	Enclose Details Separately
2013-14	Nil	
2014-15	02 Orientation Course 01 Resource Person 01 Invited Talk	(List Attached)
2015-16	01 Invited Talk	(List Attached)
2016-17	01 Refresher Course	(List Attached)
2017-18	01 Invited Talk	(List Attached)

13. Research scholars enrolled/ Ph. D. Awarded

Year	Name of Supervisor	Research Scholars enrolled	Research completed & Ph.D. awarded
2013-14	Nil		
2014-15	Nil		
2015-16	Nil		
2016-17	Nil		
2017-18	Nil		

Annexure enlist separately

Name of Supervisor	Title of the Research	Year of Registration	Year of Completion/ Ph.D. awarded

14. Board of studies Meeting-

Year	Date of meeting	Resolution passed	Remarks
2013-14	13.11.2013	Syllabus not Changed.	
2014-15	15.07.2014	B.Sc. I paper Pattern Changed	
2015-16		B.Sc. II paper Pattern Changed	
2016-17	03.05.2017	B.Sc. III paper Pattern Changed	
2017-18	23.04.2018	Syllabus not Changed.	

15. Selection of students for admission-

Year	Total application received	Admission given to candidate of minimum % on merit
2013-14		
2014-15		
2015-16		
2016-17		
2017-18		

16. Selection of contract appointment of teachers

Year	No. of Posts vacant	Application received	Appointment given to candidate on merit
2013-14	02	16	02
2014-15	01	15	01
2015-16	01	09	01
2016-17	01	07	01
2017-18	Nil	-	-

17. Extension activities done by the Department-

Year	Name of extension activity	Target group	Funds received from
2013-14	Nil		
2014-15	Nil		
2015-16	Nil		
2016-17	Nil		
2017-18	Nil		

Annexure- Report & Photograph

Facilities of recreation activities-

List of facilities available with the Department

Year	Recreation facilities developed	Funds received from
2013-14	-	-
2014-15	11 New Computer and 01 Multi printer	Lab Fund
2015-16	-	-
2016-17	-	-
2017-18	-	-

18. Innovative reforms of the Department-

List of innovative practices under way in the department

Year	Innovative reforms taken	Target group	Impact of reform
2013-14	Nil	Nil	Nil
2014-15	Nil	Nil	Nil
2015-16	Nil	Nil	Nil
2016-17	What's app Group	B.Sc. I,II,III (IT)	E- Notes & Current notices at a time
2017-18	What's app Group	B.Sc. I,II,III (IT)	E- Notes & Current notices at a time

20. Achievements of the Department-

S. No.	Items	Status before autonomy	Status at present
1	UG intake		60
2	PG intake	-	30
3	UG Programmes	B.Sc. IT (60)	B.Sc. IT (60)
4	PG Programmes	-	M.Sc. IT (30)
5	M.Phil/ Ph.D.	-	Nil
6	Research publication	-	08
7	Research projects	-	Nil
8	Organizing seminar/ Conferences	-	02
9	Attending seminar/ conference	-	02
10	Extension activities	-	Nil
11	Consultancy	-	Nil
12	Faculty	-	02
13	Faculty with Ph.D.	-	01
14	Infrastructure	01 Lab	01 Lab
15	Library	-	Nil
16	Result analysis	-	List Attached
17	Placement	-	Nil
18	Any other	-	Nil

SESSION 2014-15

1. One day workshop was jointly organized by Dept. of Information Technology and Dept. of Computer Science on “**Distributing Computing and Network Communication**” Dated 30 January 2015.





SESSION 2014-15

SPITL Education sponsored One day workshop was jointly organized by Dept. of Information Technology and Dept. of Computer Science on **“Multimedia and computer Network”** was held on 29 September 2015.



Session 2017-18

Two days UGC and CGCOST sponsored National workshop was jointly organized by Dept. of Mathematics, Dept. Of Information Technology and Dept. of Computer Science on **“Cryptography and Network Security”** from dated 5th- 6th October 2017.



Departmental Profile

1. **Name of the Department**-MATHEMATICS

2. **Year of Establishment** –U.G. – 1948 , P.G. - 1956

3. **Infrastructure-**

(a) **Class Rooms available** –02class rooms (Size 30’ x 20’ Sq. ft.) and 1 research room(Size 30’ x 30’ Sq. ft.)

(b) **Laboratories**– 01 computer lab of capacity of 20 students (Size 12’ x 16’ Sq. ft.)

(c) **List of Equipments lab wise** –16 Computers.

(d) **Details of Departmental Library**

Year	Books Purchased	Journal		CD's	e resources Subscribed	e journal Subscribed	Thesis
		National	International				
2013-14	Nil						
2014-15	Nil						
2015-16	Nil						
2016-17	44						
2017-18	42						

4. **Courses offered-**

Year	Courses	Intake			Actual enrolment			New courses offered
		UG	PG	Ph.D.	UG	PG	Ph.D.	
		UG	PG	Ph.D.	UG	PG	Ph.D.	NIL
2013-14		380	30		380	30	03	NIL
2014-15		380	30		380	30		NIL
2015-16		380	30		380	30		NIL
2016-17		380	30		380	30		NIL
2017-18		380	30		380	30		NIL

Note:- following combination are available with Mathematics:-

1. Mathematics, Physics , Chemistry
2. Mathematics , Physics , Geology
3. Mathematics , Physics , Defence Studies
4. Mathematics , Physics, Information Technology
5. Mathematics , Physics, Computer Science

5. Faculty Strength

No. of Teachers Available	Year				
	2013-14	2014-15	2015-16	2016-17	2017-18
Professors	01	01	01	01	01
Asstt. Professors	06	06	06	06	07
Regular staff					
Adhoc	NIL	NIL	NIL	NIL	NIL
Contractual	NIL	NIL	NIL	NIL	NIL
Guest faculty	NIL	NIL	NIL	NIL	NIL
Visiting Faculty	NIL	NIL	NIL	NIL	NIL

Annexure

List of Faculty

Name	Designation	Qualification	Pay	Total experiences	No. of years in the college
Dr.S.K Bhatt	Professor	M.Sc.,Ph.D		35	15
R.A. Siddiqui	Asstt.Professor	M.Sc		24	20
Dr.VarshaKaranjgaokar	Asstt.Professor	M.Sc., M. Phil., Ph.D		28	20
Dr. B.P Tripathi	Asstt.Professor	M.Sc.,Ph.D, MCA		25	6 year
Dr.Mahendra Prasad	Asstt.Professor	M.Sc.,Ph.D		25	15
Dr.M.S GUPTA	Asstt.Professor	M.Sc.,Ph.D,MCA			
Prof Ashok Kumar	Asstt.Professor	M.Sc, NET(CSIR),SET(C.G)		06	01
NidhiDewangan	AssttRprofessor	M.Sc. M. Phil		06	01

6. Sanctioned , working strength and Vacant position (Faculty)

Category	Sanctioned			Working			Vacant			Grant total
	Prof.	Asstt. Prof.	Total	Prof.	Asstt. Prof.	Total	Prof.	Asstt. Prof.	Total	
Regular	01	07	08	01	07	08	NIL	NIL	NIL	08
Contract basis	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

7. Qualification of Faculty

Category	No. of Ph.D.	No. Of M. Phil	Other	Total
Regular	05	01	02	08
Contract basis	Nil	NIL	NIL	NIL

8. Non Teaching Staff-

- Sanctioned- 02
- Working – List to be provided in Annexure
- Vacant –NIL

9. Research Profile

Year	Research Publication	Research projects	Seminar/conference/ workshop/ synopsis	Other research and consultancy related activity
2013-14	14	Nil	01	Nil
2014-15	21	Nil	01	Nil
2015-16	26	Nil	01	Nil
2016-17	04	Nil		Nil
2017-18	12	Nil	02	Nil

Annexure to be prepared

Research Publication

S.No.	Name	Year	Title	Name of Journal	Volume	Page no.
1	Dr.S.K Bhatt			List attached		
2	R.A. Siddiqui			List attached		
3	Dr.VarshaKaranjgaokar			List attached		
4	Dr. G.S. Saluja			List attached		
5	Dr. B.P Tripathi			List attached		
6	Dr.Mahendra Prasad			List attached		
7	Dr.M.S.Gupta			List attached		
8	Prof Ashok Kumar			List attached		
9	NidhiDewangan			List attached		

Research project

S.No.	Name	Year	Title of the project	Funding agency
1			Nil	

Seminar/ Conference/ Workshop/ Symposia

Name of the Department	Year	Title of the Seminar/ Workshop	Funding agency
Mathematics	06-07 Sept., 2013	National Workshop on Mathematical Modelling of Stochastic and Fuzzy System	By CPE, by registration and College Janbhagidari
Mathematics. IT and Computer Science	5-6 Oct. 2017	Cryptography and network security system	UGC regional office Bhopal, by registration and College Janbhagidari
Mathematics	22 Dec. 2014	Contribution of Ramanujan in Mathematics	CGCOST, Raipur
Mathematics	22 Dec. 2015	Ramanujan's problems and their solutions	CGCOST, Raipur
Mathematics	13,14 &15 Jan2018	Three days INMO problem solving workshop	CGCOST, Raipur

10. Teaching learning methods adopted by the department List the methods.

- I. Chalk And Talk.
- II. By LCD projector.
- III. Seminar by students.

11. Achievements of students (Provide details separately)

Year	Examination	Co curricular activities	Extracurricularactivities
2013-14	B.Sc. III Year 62% M.Sc. 95.8%	Dheerendra Mishra And NihalSahu Of B.Sc Part 1 Participated Instate Level Workshop On Mathematicson 25 November 2013	
2014-15	B.Sc. III Year 89% M.Sc. 100%		
2015-16	B.Sc. III Year 80% M.Sc. 96.4%	<ul style="list-style-type: none"> 18 Students participated in Madhav Mathematics competition organized by department of mathematics S.P.College, Pune and T.I.F.R Mumbai. Student of M.Sc. passed in 2016 SubratPradhan have been selected in CGPSC in 2018 as a Deputy Collector. 	
2016-17	B.Sc. III Year 62% M.Sc. 96.5%		
2017-18	B.Sc. III Year 92.87% M.Sc. 100%	<ul style="list-style-type: none"> Pranjal Singh RajpurOfB.Sc. Final Year received the Chhattisgarh Chief Minister Award of Rs. 25000/-. Pranjal Singh Rajpurof B.Sc. Final Year participated in annual N.C.C. Republic Day Camp at New-Delhi from 1st January to 29th January 2018. 	

Annexure enlist separately

12. Achievements of Teacher.

Year	Achievement of Teachers	Enclose Details Separately
2013-14	Dr. S.K. Bhatt <ul style="list-style-type: none"> Examiner of Ph.D. viva-vice in BarkatullaUniversity Bhopal. Conducted the confidentially work of M.P. Professional Examination Board. 	
2014-15	Dr. S.K. Bhatt <ul style="list-style-type: none"> Member of Board of Studies in Govt. MH College of Home Science and Science Jabalpur., Pt. RavishankarShukla University Raipur, Govt DB Girls College Raipur. Delivered lecture in KhoobchandBaghel College Bhilai 03 Examiner of Ph.D. viva-voce in Bundelkhand University Jhansi. Dr Mrs VarshaKaranjgaokar <ul style="list-style-type: none"> Invited as a Chief Guest and as a speaker in National Mathematics day celebration on 22/12/14in JawaharNavodayVidyalaya ,Raipur. Dr. M.S. Gupta <ul style="list-style-type: none"> Expert in XIII Chhattisgarh Young Scientist Congress 2015. 	
2015-16	Dr. S.K. Bhatt <ul style="list-style-type: none"> Invited as a resource person in UGC sponsored National Seminar on 22, 23/01/2016 organized by Government Dr. BSBA College Dongargaon. Member of Board of studies and Examination committee of Pt. RavishankarShukla University Raipur. Dr Mrs VarshaKaranjgaokar <ul style="list-style-type: none"> Invited to deliver a lecture on “Applications of Operations Research to Industry” on 	

	<p>4/4/16 in Govt. D.B. Girls College ,Raipur.</p> <ul style="list-style-type: none"> Invited to deliver a lecture by Govt College Dharsiwa, on 16/11/16. <p>Dr. B.P. Tripathi</p> <ul style="list-style-type: none"> Delivered a lecture on the topic “ Complex Analysis” at Govt. D.B. Girls College, Raipur. 	
2016-17	<p>Dr Mrs VarshaKaranjgaokar</p> <ul style="list-style-type: none"> Invited to deliver a lecture on “Mathematics for CompititiveExams ” by carrier council cell ,Govt.K. H. College ,Abhanpur on 2/2/17. Invited to deliver a lecture on “Nonlinear Programming Problems” by GovtRadhabaiNavin girls College ,Raipur on 7/2/17. Member of Board of studies and Examination committee of Pt. RavishankarShukla University Raipur. <p>Dr. B.P. Tripathi</p> <ul style="list-style-type: none"> Delivered a lecture on the topic“ Set theory and Algebraic Structure” on 16 october 2016 at Govt. Pt. ShyamaCharanshukla College, Dharsiwa, Raipur. 	
2017-18	<p>Dr. S.K Bhatt</p> <ul style="list-style-type: none"> Member Of Governing Body Of ISBM University Gariyaband. Member Of Board of Study in Govt. Digvijaya Collage, Rajnandgaon. Member Of inspection committee of subject affiliation, PRSU Raipur. Member of Examination committee, PRSU Raipur. Done Confidential work of CGPSC. <p>Dr Mrs VarshaKaranjgaokar</p> <ul style="list-style-type: none"> Invited to deliver a lecture on National Mathematics Day celebration on 22/12/17 in Govt. D.B. Girls College ,Raipur. Appointed as Judge by CBSE for regional level model exhibition from 6-8 Jan 2018. <p>Prof. A.K. Adil</p> <ul style="list-style-type: none"> Member of board of studies in Pt.RavishankarShukla University Raipur. <p>Dr. B.P. Tripathi</p> <ul style="list-style-type: none"> Co-ordinator inspection committee of subject affiliation, Sarguja University Ambikapur. 	

13. Research scholars enrolled/ Ph. D. Awarded

Year	Name of Supervisor	Research Scholars enrolled	Research completed & Ph.D. awarded
2013-14	Dr. B P Tripathi	Rais Ahmed Siddiqui (Date of Registration 12.03.2014)	Thesis would be submitted by 12.03.2019
2014-15	Dr. B P Tripathi	Khushboo Thakur (Date of Registration 22.11.2014)	Thesis submitted in Month of Aug 2017
2015-16			
2016-17			
2017-18	Dr. B P Tripathi	Khushboo Thakur	Thesis submitted in Month of Aug 2017
	Dr. B P Tripathi	Afsan Butt (CV/52512/2651) Date:30.03.2013	Ph. D. Awarded
	Dr. B P Tripathi	ShrutiNathani	DRC held on 05.02.2018
	Dr VarshaKaranjgaokar	NamrataShrivastav	DRC held on 05.02.2018
	Dr. B P Tripathi	RenukaSahu	DRC held on 05.02.2018

Annexure enlist separately

Name of Supervisor	Title of the Research	Year of Registration	Year of Completion/ Ph.D. awarded
Dr. B P.Tripathi	“A study on NTRU public key Cryptosystem and their variants”	22.11.2014	2019 Ph.D. awarded
Dr. B P.Tripathi	“Optimization of time and cost for linear and non-linear problem”	2013	2018 Ph.D. awarded

14. Board of studies Meeting-

Year	Date of meeting	Resolution passed	Remarks
2013-14	30.10.2013, 13.03.2014	UG & PG syllabus approved.	Meeting Details attached
2014-15	13.03.2014, 05.03.2015	UG & PG syllabus approved and approval of, to change the question paper pattern of B.Sc. I.	Meeting Details attached
2015-16	26.02.2016	UG & PG syllabus approved and approval of, to change the question paper pattern of B.Sc. II.	Meeting Details attached
2016-17	01.04.2017	UG & PG syllabus approved and approval of, to change the question paper pattern of B.Sc. III.	Meeting Details attached
2017-18	26.04.2018	UG & PG syllabus approved and approval of, to change the question paper pattern of M.Sc. I &II Sem.	Meeting Details attached

15. Selection of students for admission-

Year	Total application received	Admission given to candidate of minimum % on merit
2013-14	Through Central Counselling	
2014-15	Through Central Counselling	
2015-16	PG- 253	61%
2016-17	PG- 287	62%
2017-18	PG- 275	60%

16. Selection of contract appointment of teachers

Year	No. of Posts vacant	Application received	Appointment given to candidate on merit
2013-14	Nil		

2014-15	Nil		
2015-16	Nil		
2016-17	Nil		
2017-18	Nil		

17. Extension activities done by the Department-

Year	Name of extension activity	Target group	Funds received from
2013-14	Lectures of renowned mathematician Dr. S. D. Tripathi from HRI Allahabad , Dr. Shiv Dutt Tripathi from MNIT Allahabad , Dr. Rajesh Tiwari from Model Science college Jabalpur , Dr. Nidhi Chaubey , Dr. Sudipta Sanyal from Home science College Jabalpur and Dr. P Jha , Dr. Sanjay Kumar , Dr. B S Thakur, Dr. Premchand were arranged .	Students of M.Sc. and B.Sc. classes of mathematics	Centre with potential for excellence Delhi
	Guided the students of class 10 th 11 th 12 th of Raipur by M.Sc. students and teaching staff.	Weak students of school (class 10 th 11 th and 12 th)	CPE Delhi
2014-15	Guidance for the school students of class 10 th 11 th 12 th by M.Sc. Mathematics students and teaching staff.	Weak students of school (class 10 th 11 th and 12 th)	CPE Delhi
	An essay Competition on “Students are building blocks for good governance nation building” was organized on 13/01/2015. 1 st prize of cash Rs. 10000/- was given to student Pratima Sahu of Chemistry Department.		Sponsored by NTPC
	On 22 nd December 2014 National Mathematical Day celebrated jointly Chhattisgarh Council of Science & Technology & Department of Mathematics, Govt. N.P.G. college of Science, Raipur.	Students of M.Sc. and B.Sc. classes of mathematics	Sponsored by CGCOST
2015-16	On 22 nd December 2015 National Mathematics Day jointly celebrated by Chhattisgarh Council of Science & Technology, Raipur and Department of Mathematics, Govt. NPG College of Science, Raipur.	Students of M.Sc. and B.Sc. classes of mathematics	Sponsored by CGCOST
2016-17			
2017-18	Coaching for NET in mathematics arranged		

Annexure- Report & Photographs (Attached)

18. Facilities of recreation activities-

List of facilities available with the Department

Year	Recreation facilities developed	Funds received from
2013-14	Nil	
2014-15	Nil	
2015-16	Nil	

2016-17	Nil	
2017-18	Nil	

19. Innovative reforms of the Department-

List of innovative practices under way in the department

Year	Innovative reforms taken	Target group	Impact of reform
2013-14	Nil		
2014-15	Nil		
2015-16	Nil		
2016-17	Nil		
2017-18	Nil		

20. Achievements of the Department-

S. No.	Items	Status before autonomy	Status at present
1	UG intake	380	380
2	PG intake	30	30
3	UG Programmes		
4	PG Programmes	01	01
5	M.Phil/ Ph.D.	Nil	05
6	Research publication	98	77
7	Research projects	Nil	Applied for Research Project
8	Organizing seminar/ Conferences	01	05
9	Attending seminar/ conference	45	49
10	Extension activities	Nil	04
11	Consultancy	Nil	Nil
12	Faculty	06	08
13	Faculty with Ph.D.	06	05
14	Infrastructure	2 Class Rooms	2 Class Room +1 Research Room
15	Library	No. Of Books 3500	No. Of Books 3586
16	Result analysis		
17	Placement		
18	Any other Ph.D. Examiner	Nil	02

Administrative Activities

Academic council

Year	Meeting of Committee	Date of meeting	Resolution passes
2013-14		22/06/2013	Attached
2014-15		03/05/2014	Attached
2015-16		12/05/2015	Attached
2016-17		07/09/2016	Attached
2017-18		21/09/2017	Attached

Finance Committee

Year	Meeting of Committee	Date of meeting	Resolution passes
2013-14		14/05/2013, 03/01/2014, 21/01/2014	Attached
2014-15		12/05/2014	Attached
2015-16		13/05/2015	Attached
2016-17		01/05/2017	Attached
2017-18		22/11/2017	Attached

Departmental Board of studies(Enclosure Copy of orders)

Year	Meeting of Committee	Date of meeting	Resolution passes
2013-14	Copy of members university nominee and academic council attached.		
2014-15			
2015-16			
2016-17			
2017-18			

Governing Body- Due to not receiving the nominee of govt. & UGC the Governing Body could not be constituted after 2013. In this regard several correspondence made by the college administration to concerning authorities.

Appendix- minutes of meeting of each Committee. - attached

Appendix- Admission Policy -AS PER THE GOVT RULES

Course wise fee structure
(Prospectus to be enclosed) ATTACHED

Govt. Rules of UG & PG admission

Autonomous status detail -

01- Autonomy is valid up to 2012-13 by file number F22-1/2007(AC) 2007 of University Grants commission Bahadur Shah Zafar Marg, New Delhi .

Letter Attached

02- Committee of Pt. Ravishankar Shukla University Raipur recommended the continuity of the autonomous status for the period of 1 July 2013 to 30 June 2018 .

Status of accreditation- accredited in 2014 with CGPA of 2.81 on four point scale and received B grade and valid up to May 04, 2019.

Letter Attached

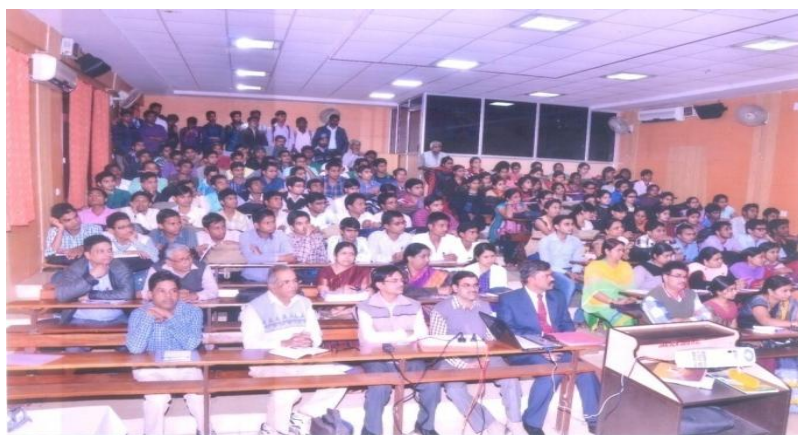
EXTENSION ACTIVITIES

To remove the fear of Mathematics among the students of higher secondary and for the solution of the problems in Mathematics one day workshop organized in Govt. High School, Heerapur on 15.11.2014, Govt. High School, Gogaon on 07.02.2015, Govt. High School, Changora Bhata on 14.02.2015. In this program nearly 100, 140, 86 respectively Students appeared.



TRAINING WORKSHOP/SEMINAR

On 22nd December 2014 National Mathematical Day celebrated jointly Chhattisgarh Council of Science & Technology & Department of Mathematics, Govt. N.P.G. college of Science, Raipur. On this occasion Dr. H.P. Dixit, Ex-Vice Chancellor, Indira Gandhi open University, Delhi & Dr. Sanjay Kumar Patel from Mumbai both Mathematician thrown the light over the unsolved problems of Ramanujan.



TRAINING WORKSHOP/SEMINAR YEAR WISE- On 22nd December 2015 National Mathematics Day jointly celebrated by Chhattisgarh Council of Science & Technology, Raipur and Department of Mathematics, Govt. NPG College of Science, Raipur. On this occasion Prof. K. S. Bairy, Vijaya College, Bangalore delivered the lecture on Contribution of Ramanujan in development of Mathematics. He elaborated the solution of some unsolved problem of Ramanujan & explain the work of Ramanujan in detail. An essay competition was organized on this occasion nearly 100 students, scholars and faculty were present.







Departmental Profile

1. Name of the Department- **Microbiology**

2. Year of Establishment –2012

3. Infrastructure-

(a) Class Rooms available – 01

(b) Laboratories –01

(c) List of Equipments

S. No.	Name of instrument	Description	Quantity
1	Spectrophotometer	Systronic-104	01
2	Hot air oven	Sunstar	01
3	Microscope monocular	Magnus 13J1235	01
4	Microscope Binocular	Magnus 13G1212	01
5	Desktop computer	Lenovo	01
6	HP Laser Printer	P1108	01
7	Digital pH meter	EI	01
8	Electronic digital Balance (Keyroy)	Cap 0.01g – 300g	01
9	Ocular micrometer		01
10	Stage micrometer		01
11	Stop clock		02
12	Camera Lucida		01
13	Distillation apparatus		01
14	Electrophoresis with power supply		01
15	Fire extinguisher		01
16	Laminar air flow		01
17	pH meter		01
18	Digital balance		01
19	Microscope	Olumpus 003216,3227	02
20	Microscope	Magnus -528227	01
21	Refrigerator	LG double door	01
22	Water bath		01
23	Incubator		01
24	Hot air Oven		01
25	Digital Colony Counter		01
26	Haemocytometer	Biocraft	04

(d) Details of Departmental Library

Year	Books Purchased	Journal		CD's	e resources Subscribed	e journal Subscribed	Thesis
		National	International				
2013-14	27 books transferred from the library	Nil	Nil	Nil	Nil	Nil	Nil
2014-15	30 books transferred from the library	Nil	Nil	Nil	Nil	Nil	Nil
2015-16	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2016-17	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2017-18	6 books transferred from the library	Nil	Nil	Nil	Nil	Nil	Nil

4. Courses offered-

Year	Courses	Intake			Actual enrolment			New courses offered
		UG	PG	Ph. D	UG	PG	Ph. D	
2013-14	B.Sc.	40	nil	nil	40	nil	nil	nil
2014-15	B.Sc.	40	nil	nil	40	nil	nil	nil
2015-16	B.Sc.	40	nil	nil	40	nil	nil	nil
2016-17	B.Sc.	40	nil	nil	40	nil	nil	nil
2017-18	B.Sc.	40	nil	nil	40	nil	nil	nil

5. Faculty Strength

No. of Teachers Available	Year				
	2013-14	2014-15	2015-16	2016-17	2017-18
Professors	nil	nil	nil	nil	nil
Asstt. Professors					
Regular	02	02	02	02	02
Adhoc	nil	nil	nil	nil	nil
Contractual	nil	nil	nil	nil	nil
Guest faculty	nil	Nil;	nil	nil	nil
Visiting Faculty	nil	nil	nil	nil	nil

Annexure -01

List of Faculty

Name	Designation	Qualification	Pay	Total experiences	No. of years in the college
Dr. Sadhana Jaiswal	Assistant Professor	M. Sc., Ph. D., SET	15600-39100	12 years	6 years
Mrs. Neetu Das	Assistant Professor	M.Sc. M. Phil	15600-39100	12 years	6 Years
Mrs. Preeti Mehta	Assistant Professor	M.Sc. , SET	15600-39100	10 Years	03 onths

6. Sanctioned , working strength and Vacant position (Faculty)

Category	Sanctioned			Working			Vacant			Grand total
	Prof.	Asstt. Prof.	Total	Prof.	Asstt. Prof.	Total	Prof.	Asstt. Prof.	Total	
Regular	01	02	03	nil	03	03	01	nil	01	03
Contract basis	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil

7. Qualification of Faculty

Category	No. of Ph.D.	No. Of M. Phil	Other	Total
				-
Regular	01	01	SET -02	03
Contract basis	nil	nil	nil	nil

8. Non Teaching Staff-

- (i) Sanctioned-
- (ii) Working – 02 (lab technician – 01, peon - 01)
- (iii) Vacant -01 (lab attendant)

9. Research Profile

Year	Research Publication	Research projects	Seminar/conference/ workshop/ synopsis	Other research and consultancy related activity
2013-14	nil	nil		Nil
2014-15	nil	nil	03 S /05 W	Nil
2015-16	nil	nil	04 S/05 W	Nil
2016-17	nil	nil	03S / 03W	Nil
2017-18	01	nil	06S / 13 W	05fungal ITS RNA database submitted in NCBI Genebank.

Research Publication

S.No.	Name	Year	Title	Name of Journal	Volume	Page no.
01	Sadhana Jaiswal	2011	Growth and nutrient accumulation by <i>Eichhornia crassipes</i> (mart.) Solms in Robertson lake, Jabalpur, India	ECOPRINT ISSN 1024-8668	18:	91-100,
02	Sadhana jaiswal and P. K. Singhal	2011	“Isolation and Biochemical Characterization of bacteria present in root of Water hyacinth in Robertson lake Jabalpur”	<i>Research journal of Science and technology,</i>	vol. 3. Issue 3.	164-168
03	Sadhana jaiswal and P. K. Singhal	2011	“Isolation and Biochemical Characterization and Probable identification of bacteria from root of Water hyacinth”	<i>Proceeding of Climate change and its effects on biodiversity</i> ISBN 81-201		100-103
04	Sadhana Jaiswal and P. K. Singhal	2012	“Biodiversity of Bacterial flora in Rhizosphere of water hyacinth (<i>Eichhornia crassipes</i> (mart.) Solms)”	<i>Journal of Ecobiotechnology,</i> ISSN 2077-0464	4 (2)	238-241
05	Sadhana Jaiswal & Deepali Rajwade	2017	A review on Portulaca oleracea: A wonderful weed of Chhattisgarh”published	Research journal of Pharmacy and technology, ISSN 0974-3618,	vol. 10. Issue 7.	

Research project - nil

S.No.	Name	Year	Title of the project	Funding agency
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Seminar/ Conference/ Workshop/ Symposia - nil

Name of the Department	Year	Title of the Seminar/ Workshop	Funding agency

10. Teaching learning methods adopted by the department List the methods.

- Lecture method
- Student seminar
- Poster presentation
- Power Point presentation

11. Achievements of students (Provide details separately)

Year	Examination	Co curricular activities	Extracurricular activities
2013-14			
2014-15	<p>Student LT.Bonnie Upadhyay of department Selected in CDS</p> <p>Jaya Tiwari selected for PG course in Pt. JNM Medical College Raipur</p> <p>Shivani Gajbhiye for PG course in Pt. JNM Medical College Raipur</p> <p>Pooja Yadav selected for PG course in Devi Ahilya bai University Indore</p> <p>Akansha Mishra selected for PG course in Devi Ahilya bai University Indore</p>		Plantation programme
2015-16	<p>Khileshwary Chandravansi selected in Devi Ahilya bai University Indore for PG Course.</p>		
2016-17	<p>Srikant Agrawal Selected for PG course in GGU Central University Bilaspur</p> <p>Durraia Ali Selected Selected for PG course in Garden City College, Bunglore</p> <p>Sayli Moghe Selected Selected for PG course in AMITY University Jaipur</p> <p>Srijal Sharma qualified CSIR, NET, SET, GATE</p>	<p>Lisie I. Patnayak participated in essay competition organized by airports authority of India and 2nd position in word power competition organized in English deptt. of govt.n.pg.college of science, Raipur.</p>	<p>Prateek Diwan successfully completed National Himalayan winter Trekking Expedition Manali</p> <p>Kanika Verma participated in basket ball competition organized by sent vincet palloti</p>
2017-18	<p>Anat Ram Sidar qualified entrance exam for BHU Varanasi</p> <p>Nidhi Shori qualified CSIR, NET</p>	<p>Lisie Patnayak 2nd position in debate competition organized by English language society , 2nd position in spell Bee, 3rd position in cross word contest, 3rd in short story writing and 1st in advertisement writing</p> <p>Nisha Mishra 2nd position in spell bee competition.</p>	<p>Best From Waste</p> <p>Poster competition</p> <p>Satyaprakash Tripathi player of runner up team of cricket organized by Vivekanand college of Raipur</p>

- Student (**LT.Bonnie Upadhyay**) of department Selected in CDS

12. Achievements of Teacher.

Year	Achievement of Teachers	Enclose Details Separately
2013-14		
2014-15		

2015-16	Member of selection committee in PSC	
2016-17	Third prize in poster presentation in seminar	
2017-18	Second prize in poster presentation in seminar	

13. Research scholars enrolled/ Ph. D. Awarded - Nil

Year	Name of Supervisor	Research Scholars enrolled	Research completed & Ph.D. awarded
2013-14			
2014-15			
2015-16			
2016-17			
2017-18			

14. Board of studies Meeting-

Year	Date of meeting	Resolution passed	Remarks
2013-14	19 Feb 2013	Syllabus approved as per Pt. RSU Raipur	
2014-15	24 Oct 2013	Section A,B,C Question paper pattern passed	
2015-16	21 Apr 2016	Syllabus revision	
2016-17	03 May 2017	Syllabus revision	
2017-18	25 Apr 2018	P.G. Proposal	

15. Selection of students for admission-

Year	Total application received	Admission given to candidate of minimum % on merit
2013-14		
2014-15		
2015-16		
2016-17		
2017-18		

16. Selection of contract appointment of teachers

Year	No. of Posts vacant	Application received	Appointment given to candidate on merit
2013-14	nil	-	-
2014-15	nil	-	-
2015-16	nil	-	-
2016-17	nil	-	-
2017-18	nil	-	-

17. Extension activities done by the Department- Nil

Year	Name of extension activity	Target group	Funds received from
2013-14			

2014-15			
2015-16			
2016-17			
2017-18			

Annexure- Report & Photographs

18. Facilities of recreation activities- nil

List of facilities available with the Department

Year	Recreation facilities developed	Funds received from
2013-14		
2014-15		
2015-16		
2016-17		
2017-18		

19. Innovative reforms of the Department- Nil

List of innovative practices under way in the department

Year	Innovative reforms taken	Target group	Impact of reform
2013-14			
2014-15			
2015-16			
2016-17	Seminar by students	Student of B.ScIII	
2017-18	Seminar by students		

20. Achievements of the Department-

S. No.	Items	Status before autonomy	Status at present
1	UG intake		40
2	PG intake		30 (Started in session 2018-19)
3	UG Programmes		B.Sc
4	PG Programmes		M.Sc
5	M.Phil/ Ph.D.		-
6	Research publication		05
7	Research projects		-
8	Organizing seminar/ Conferences		-
9	Attending seminar/ conference		06+11+11
10	Extension activities		-
11	Consultancy		-
12	Faculty		03
13	Faculty with Ph.D.		01
14	Infrastructure		1classroom+1lab+1office

15	Library		63 books available in the departmental library
16	Result analysis		Copy attach
17	Placement		Bony Upadhyay selected in CDS Pooja Yadav working as Project assistant II in CSIR Lab. NEERI Nagpur.
18	Any other		<ul style="list-style-type: none"> • Faculties worked as a resource person in CG Science centre, and other colleges • Member of board of studies in university and other colleges. • Faculty attended National camp as NSS Officer

Result Analysis

Year	class	No of Student			
		Appear	Pass	Fail	Pass %
2013-14					
	B.Sc.I	35	27	08	77%
	B.Sc.II	26	26	00	100%
2014-15	B. Sc.III	18	18	00	100%
	B.Sc.I	41	32	09	78.04%
	B.Sc.II	30	20	10	67%
	B. Sc.III	22	21	01	95.5%
2015-16	B.Sc.I	39	35	04	89%
	B.Sc.II	34	34	00	100%
	B. Sc.III	25	25	00	100%
2016-17	B.Sc.I	40	34	06	85%
	B.Sc.II	31	26	05	83%
	B. Sc.III	28	24	04	85%
2017-18	B.Sc.I	31	28	03	90%
	B.Sc.II	39	35	04	89%
	B. Sc.III	24	21	03	87%

Departmental Profile

1. Name of the Department- PHYSICS

2. Year of Establishment – 1948

3. Infrastructure-

(a) Class Rooms available – Numbers and Covered area in Sqft.

S. No.	Class	Room No	Area
1	UG Class room	G 46	50x 30 square ft
2	MSc Prev (I & II SEM)	G 36	20x 30 square ft
3	MSc Final (III & IV SEM)	G 41	20 x 30 square ft

(b) Laboratories – Numbers and Covered area in Sqft.

S. No.	Class	Room No	Area
1	B Sc I Lab	G 37	30 x 20 square ft
2	Computer Lab	G 27	30 x 20 square ft
3	Research Lab	G 47	30 x 20 square ft
4	M Sc Gen Lab	G 45	30 x 30 square ft
5	B Sc II Lab	G 28	50 x 30 square ft
6	BSc III Lab	G 29	40 x 30 square ft
7	MSc Final Gen Lab	G 30	30 x 20 square ft

(c) List of Equipments lab wise

BSc. 1st Year (Physics practical instrument list)

GROUP-A

1. Moment of inertia of a flywheel.
2. Bar pendulum & radius of Gyration due to gravity.
3. Oscillation of two spring in series and parallel.
4. Barton's Apparatus.
5. Torsional Pendulum.

6. Searl Method.
7. Poisson's ratio of rubber tube.
8. Poiseuille's method .
9. Perpendicular axis with the help of inertia table.
10. Jaeger's Apparatus.
11. Maxwell's needle (dynamical method).
12. Young elasticity coefficient by binding.
13. An additional travelling microscope.

GROUP-B

1. M & H magnetometer's.
2. CRO (cathode ray oscilloscope)
3. Magnetic field along the axis of a current carrying circular coil.
4. Thevenin theorem.
5. Norton's theorem.
6. Maximum power transfer.
7. L-C-R Circuit.
8. L-R Circuit.
9. Measurement of C using different frequencies.
10. Center of circular coil along Magnetic field.

BSc. 2nd Year (Physics practical instrument list)

1. To find the thickness of wire using optical bench.

2. Determination of wavelength of sodium light with help of Fresnel Bi-prism.
3. Spectrometers for determine the refractive index.
4. Newton's circular ring.
5. Wavelength of laser light by diffraction grating.
6. Determination of refractive index of ordinary and extra-ordinary rays for the calcite prism.
7. Newton's ring method (cooling).
8. Sugar solution by colorimeter.
9. C_p/C_v .
10. Sonometer.

BSc. Final year (Physics practical instrument list)

1. FET Characteristic apparatus.
2. Connecting wire.
3. Voltmeter.
4. Resistance thermometry
5. Heater for.
6. MOSFET Characteristic apparatus.
7. Capacitance and permittivity kit.
8. Plates.
9. Specific resistance and energy gap of a semiconductor kit.
10. Thermometer.
11. Apparatus of Anderson bridge.
12. Speaker.
13. Oscillator.
14. Zener diode kit.

15. Miliameter.
16. Battery.
17. CRO (cathode ray oscilloscope).
18. Half wave-Full wave rectifier unit.
19. Photo diode kit.
20. LED characteristic apparatus.
21. Regulated power supply.
22. Transistor characteristic apparatus.
23. Solar cell characteristic kit.

MSc. 1st sem.(Physics practical instrument list)

1. Abbe's refractometer.
2. Searle's apparatus.
3. Opto-electronic Device. (LDR/Opto-coupler).
4. Ionisation potential of mercury using gas filled diode.
5. Hartman's apparatus.
6. Prism spectrometer (Cauchy).
7. Optical bench (thickness of wire).
8. Optical bench (Fresnel's Bi-prism).
9. Stefan's constant.
10. Thin film apparatus.
11. Plank constant setup.

MSc.1st sem. (ICT Experiment)

1. MS-Word.
2. MS-Power point.
3. MS-Excell.

Total computer-10+5

Printer-3

Scanner-1

MSc. 2nd sem. (Practical instrument list)

1. Photovoltaic cell.
2. Half-wave/full-wave rectifier.
3. Rd-5.
4. Modulation/Demodulation.
5. Transistor.
6. IC 555.
7. Hysteresis loop.
8. FM/AM.
9. SCR.
10. MOSFET

MSc. 3rd sem.(Practical instrument list)

1. Energy band gap in semiconductor diode.
2. Oscilloscope.
3. IC regulated source for laser light experiment.

4. Audio frequency sine wave generator.
5. e/m by magnetron method.
6. Power supply for electromagnet.
7. Half and full adder.
8. Lattice dynamics kit.
9. Lattice dynamics electrical analogue experiments.
10. Hall effect board.

MSc. 4th sem. (Digital electronics)

1. Study of RS,JK,D flip-flop using NAND gates.
2. Study of Half adder and full adder using NAND gates.
3. Study of half subtractor and full subtractor using NAND gates.
4. Study of decimal to BCD encoder using IC 74147.
5. Study of BCD to decimal decoder using IC 7442.
6. Study of BCD to seven segment decoder using IC 7447.
7. Study of binary to gray code converter using EX-OR gates.
8. Study of 16:1 multiplexer using ICs 74150 and 74154 and analysis.
9. Study of 1:16 de-multiplexer using ICs 74150 and 74154 and analysis.
10. Study of RAM circuit.
11. Study of ROM circuit.
12. Study of ALU.

(d) Details of Departmental Library (Total Books 3806)

Year	Books Purchased	Journal		CD's	e resources Subscribed	e journal Subscribed	Thesis
		National	International				
2013-14	195	Nil	Nil	Nil	Nil	Nil	Nil
2014-15	-	Nil	Nil	Nil	Nil	Nil	Nil
2015-16	-	Nil	Nil	Nil	Nil	Nil	Nil
2016-17	44	Nil	Nil	10 e Books	NPTEL, UGC SWAYAM	Nil	02
2017-18	42	Nil	Nil	10 e Books	NPTEL, UGC SWAYAM	Nil	02

4. Courses offered-

Year	Courses	Intake			Actual enrollment			New courses offered
	BSc, MSc, PhD	UG	PG	Ph.D	UG	PG	Ph.D	nil
2013-14		400	20	06	400	14	03	
2014-15		400	20	06	400	15	03	
2015-16		400	20	06	400	20	01	
2016-17		400	20	06	400	19	04	
2017-18		400	20	06	400	19	03	

5. Faculty Strength

No. of Teachers Available	Year				
	2013-14	2014-15	2015-16	2016-17	2017-18
Professors	nil	nil	nil	01	02
Asstt. Professors	07	07	07	06	06
Regular	07	07	07	07	08
Adhoc	nil	nil	nil	nil	nil
Contractual	nil	nil	nil	nil	nil
Guest faculty	02	02	02	02	01
Visiting Faculty	Nil	Nil	Nil	01(honorary)	01(Honarary)

Annexure

List of Faculty

Name	Designation	Qualification	Pay	Total experiences	No. of years in the college
Dr A. Oudhia	Professor	MSc, M Phil, PhD		28 years	02 years
Dr VinodDubey	Professor	MSc, PhD		24 years	02 months
Dr Samir Thaker	Professor	MSc, PhD		24 years	01 year
Dr PravinDewangan	A.P.	MSc, PhD		24 years	12 years
Dr B G Sharma	A.P.	MSc, PhD		24 years	13 years
Dr Alok Luka	A.P.	MSc, PhD		21 years	13 years
Dr Neetu Sing	A.P.	MSc, PhD		05 years	4 years
Dr B R Verma	A.P.	MSc		03 years	2 years

6. Sanctioned , working strength and Vacant position (Faculty)

Category	Sanctioned			Working			Vacant			Grant total
	Prof.	Asstt. Prof.	Total	Prof.	Asstt. Prof.	Total	Prof.	Asstt. Prof.	Total	
Regular	01	09	10	nil	08	08	01	01	02	10
Contract basis/ guest faculty	nil	nil	nil	nil	01					01

6. Qualification of Faculty

Category	No. of Ph.D.	No. Of M. Phil	Other	Total
Regular	07	03	03	08
Contract basis	nil	nil	nil	nil

7. Non Teaching Staff-

- (i) Sanctioned- 4+4+3
- (ii) Working – List to be provided in Annexure (attached)
- (iii) Vacant -2+2+2

8. Research Profile

Year	Research Publication	Research projects	Seminar/conference/ workshop/ synopsis	Other research and consultancy related activity
2013-14		Nil		Nil
2014-15		Nil		Nil
2015-16		Nil		Nil
2016-17		01		Nil
2017-18		01		Nil

National Level Events organized

Name of the Department	Year	Title of the Seminar/ Workshop	Funding agency
Physics	2014	Physics Olympiad	HomiBhabhaCenter for science Education, BARC
Physics	2015	Physics Olympiad	HomiBhabhaCenter for science Education, BARC
Physics	2016	NGPE (National Graduate Physics Exam)	Indian Association Of Physics Teachers, Kanpur
Physics	2017	NGPE (National Graduate Physics Exam)	Indian Association Of Physics Teachers, Kanpur

9. Teaching learning methods adopted by the department List the methods.

- Chalk and talk
- Flipped Class Room (Group Discussions)
- Experiential Learning (Practicals and projects)
- Project based Learning
- Seminar by Students
- Teaching by Students
- Power Point Presentations
- Online Learning Platforms (NPTEL, SWAYAM)

10. Achievements of students (Provide details separately)

Year	Examination Physics	Co curricular activities	Extracurricularactivities
2013-14	100% PG 73.91% BSc III	Extension lectures (CPE Funding)	
2014-15	100%PG		Visit to Govt School

	77.5% BSc III		Jamgaon
2015-16	98%PG 93% BSc III	DST workshop on physics teaching attended by PG students	
2016-17	99%PG 98.26% BSc III	1.Hands on Training and workshop on Materials Modeling 2.Extension Lectures (UGC Funding)	Industry Visit CIPET , Raipur Student participated in entrepreneurship programme in C IPET AishwaryaPurohit.. Sachin Sahu was awarded with gold medal for NSS
2017-18	100%PG 97.84% BSc III	Hands on Training and workshop on Materials Modeling 3 UG students did summer internship in CIPET and completed project work	Collaboration with NGO Kopalvani for project work PG students KanchanTiwari, Atmaram and..... won state level events

Annexure enlist separately

11.Achievements of Teacher.

Year	Achievement of Teachers	Enclose Details Separately
2013-14	Prof Biyani was Expert in National and international physics Olympiad	
2014-15	Prof Biyani was Expert in National and international physics Olympiad	
2015-16		
2016-17	01 faculty member promoted to the post of professor 02 faculty members were Chair person in National Conference, 01 faculty member was Reviewer of Elsevier journal, 01 faculty was member , central board of studies, 01faculty was Resource person, state level RUSAworkshops.	

2017-18	1 faculty was Co Convenor of International conference 2 faculty members were members of organizing committee of international conference.	
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12. Research scholars enrolled/ Ph. D. Awarded

Year	Name of Supervisor	Research Scholars enrolled	Research completed & Ph.D. awarded
2013-14	Dr R. B. Sahu	03	01
2014-15	Dr A. K. Jaiswal	03	Nil
2015-16	Nil	Nil	Nil
2016-17	Dr Anjali Oudhia	04	02
2017-18	Dr Anjali Oudhia	03	nil

Annexure enlist separately

Name of Supervisor	Title of the Research	Year of Registration	Year of Completion/ Ph.D. awarded
Dr Anjali Oudhia	Green synthesis of II-VI group quantum Dots and study of their optical properties	2012	2018
Dr anjaliOudhia	Biotemplate based synthesis of ZnO nanoparticles and study of their optical properties	2012	2018

14. Board of studies Meeting-

Year	Date of meeting	Resolution passed	Remarks
2013-14	13. 03.2014	UG and PG Syllabus approved	No changes
2014-15	11.05.2015	UG and PG Syllabus approved	No changes
2015-16	26.02.2016	UG and PG Syllabus approved	No changes
2016-17	12.04-2017	1. One new theory paper	Question paper pattern

		<p>introduced titled Information and Communication Technology</p> <p>2. a lab course on ICT was introduced In MSc Ist SEM</p> <p>3. Materials modelling experiments were introduced in MSc IIIrd SEM.</p>	<p>changed in A(MCQ), B(Very Short answer type), C(Long Answer Type) Format in MSc Ist SEM</p>
2017-18	27.04.2018	One new paper titled “ Physics of nano-materials” was introduced in MSc IVth SEM	MSc Syllabus was elaborated for detailed description of content for ease of paper setting in new pattern

15. Selection of students for admission-

Year	Total application received	Admission given to candidate of minimum % on merit
2013-14	69	20 (cut off percentage 60% General)
2014-15	79	20 (cut off percentage 64% General)
2015-16	95	20 (cut off percentage 65% General)
2016-17	174	20 (cut off percentage 68% General)
2017-18	182	20 (cut off percentage 68% General)

16. Selection of contract appointment of teachers

Year	No. of Posts vacant	Application received	Appointment given to candidate on merit
2013-14	02	03	02 (MSc first class with 68% and 61%)
2014-15	02	12	02 (MSc first class with 85% and 66%)
2015-16	01	11	01 (MSc first class with 79%)
2016-17	02	26	02 (NET , MSc first class with 82%)
2017-18	03	31	03 (NET, PhD, MSc first class with 75%)

17. Extension activities done by the Department-

Year	Name of extension activity	Target group	Funds received from
2013-14	Extension Lectures organized (8)	PG Students	CPE
2014-15	Visit to Govt H S School Jamgaon (31.01. 2014)	PG students	CPE
2015-16	Nil	Nil	Nil
2016-17	Adoption of Govt H.S. School, Pt RSU Premises, Raipur for science education	PG students of our department and High School students of the school	UGC
2017-18	Collaboration with NGO for deaf and dumb students “ KopalVani” for MSc Project	PG students of Physics and around 150 students of KopalVani	Inhouse

Annexure- Report & Photographs

18. Facilities of recreation activities-

List of facilities available with the Department

Year	Recreation facilities developed	Funds received from
2013-14		
2014-15	Green Corner developed in front of the staff room of Physics (ECO CLUB)	Janbhagidari
2015-16		
2016-17	A short film was made for motivating students towards higher education	RUSA
2017-18	Physics Gallery was developed by PG students	Inhouse student initiative

19. Innovative reforms of the Department-

List of innovative practices under way in the department

Year	Innovative reforms taken	Target group	Impact of reform
2013-14	Learning by Teaching concept was introduced for PG students as a student centric teaching methodology	PG students	Senior PG students teach MSc Ist SEM students. The junior students interacted more with their seniors and learning from each other was fun for them.
2014-15	Flipped Classroom teaching method was introduced for PG students	PG students	Students were given topics from their syllabus and they taught in the class while the teacher and other students interacted and discussed together to clarify concepts.
2015-16	National Graduate Physics Exam (NGPE) was organized to enhance problem solving skills in students	UG students	45 students participated it enhanced conceptual clarity in students of physics , motivated them for deep learning.
2016-17	ICT based paper and Lab Course were introduced in MSc Ist SEM. Materials modelling was introduced in Lab course of MSc IIIrd SEM	PG students	Students are being trained in ICT applications and are learning novel modelling and simulation techniques.
2017-18	A new paper was introduced titled 'Physics of	PG students	Students will get exposure to recent developments in

	Nanomaterials' in MSc IVth SEM		Nanomaterials and nanoscience .
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20. Achievements of the Department-

S. No.	Items	Status before autonomy (befor 2013)	Status at present (After 2013)
1	UG intake		
2	PG intake		
3	UG Programmes		
4	PG Programmes	20	20
5	M.Phil/ Ph.D.	06	06
6	Research publication	50	
7	Research projects	nil	01
8	Organizing seminar/ Conferences	01	03
9	Attending seminar/ conference	12	24
10	Extension activities	nil	05
11	Consultancy	nil	nil
12	Faculty	10	10
13	Faculty with Ph.D.	7	7
14	Infrastructure	Nil	Nil
15	Library	3806	4087
16	Result analysis		
17	Placement		
18	Any other		New papers on ICT and nano materials, ICT based lab courses and materials modelling lab course were introduced

Annexure

Student achievement

Year	Examination	Co curricular activities	Extracurricular activities
2013-14	98% PG and %UG	Extension lectures (CPE Funding)	
2014-15	98%PG		
2015-16	98%PG	DST workshop on physics teaching attended by PG students	
2016-17	99%PG	<p>1.Hands on Training and workshop on Materials Modeling</p> <p>2.Extension Lectures (UGC Funding)</p>	<p>Industry Visit CIPET , Raipur</p> <p>Student participated in entrepreneurship programme in C IPET</p> <p>Aishwarya Purohit..... Sachin Sahu was awarded with gold medal for NSS</p>
2017-18	100%PG	<p>Hands on Training and workshop on Materials Modeling</p> <p>3 UG students did summer internship in CIPET and completed project work</p>	<p>Collaboration with NGO Kopalvani for project work</p> <p>PG students Kanchan Tiwari, Atmaram and..... won state level events</p>

Annexure

Research Supervisors

Name of Supervisor	Title of the Research	Year of Registration	Year of Completion/ Ph.D. awarded
Dr Anjali Oudhia	Green synthesis of II-VI group quantum Dots and study of their optical properties	2012	2017
Dr Anjali Oudhia	Biotemplate based synthesis of ZnO nanoparticles and study of their optical properties	2012	2017

Annexure

Extension Activities reports and photographs

Year	Name of extension activity	Target group	Funds received from
2013-14	Extension Lectures organized	PG Students	CPE
2014-15	Visit to Govt HS School Jamgaon	PG students	CPE
2015-16	Nil	Nil	Nil
2016-17	Adoption of Govt H.S. School, Pt RSU Premises, Raipur for science education	PG students of our department and High School students of the school	UGC
2017-18	Collaboration with NGO for deaf and dumb students “Kopal Vani” for MSc Project	PG students of Physics and around 150 students of Kopal Vani	In house

Report:

2013-14

Visit to Govt HS school, Jamgaon

1. PG Students taught Class 11th and 12th students of the school
2. The department gifted some simple instruments for physics lab of the school
3. Various competitions were organized by the students and gifts were distributed.

Departmental Profile

1. Name of the Department- Zoology

2. Year of Establishment – 1948

3. Infrastructure-

(a) Class Rooms available -Numbers and Covered area in Sqft. 30' X 45' (1 lecture room)
30' X 15' - 1 PG Classroom

(b) Laboratories – Numbers and Covered area in Sqft. 30' X 61' - 1UG
30' X 15' – 1 PG
20' X 30' 1Lab Cum Class

(c) List of Equipments lab wise

U.G Lab

1. Student's microscope
2. Monocular microscope
3. Binocular microscope
4. Dissecting microscope
5. Slide micro projector
6. Slide projector

P.G Lab

1. Deep freezer (-20°C)
2. Colorimeter
3. Spectrophotometer
4. pH meter
5. UV Transilluminator
6. Horizontal Electrophoretic apparatus
7. Vertical Electrophoretic apparatus
8. DO meter
9. Conductivity meter
- 10.Colony Counter
- 11.Soxhlet apparatus
- 12.UV VIS spectrophotometer
- 13.Hot plate
- 14.Micropipettes
- 15.Single Pan balace
- 16.Electronic digital Balance
- 17.Physical balance
- 18.LCD Projector

- 19.OHP Projectors
- 20.Desktop
21. Laptop
- 22.Distillation unit
- 23.Centrifuge Machine
- 24.Microtome
- 25.Monocular Microscops
- 26.Binoculars Microscops
- 27.TrinocularMicroscops
- 28.Dissecting Microscops
- 29.Tissue homogenizers
- 30.Hot air Oven
- 31.Freezer
- 32.Haemoglobinometers
- 33.Haemocytometers
- 34.Incubators
- 35.Projection Microscopes
- 36.Tissue processors
- 37.Thin layer Chromatography chamber
- 38.Specol
- 39.Environmental test chamber
- 40.Epidiascope

(d) Details of Departmental Library-Purchasing details available in main library

Year	Books Purchased	Journal		CD's	e resources Subscribed	e journal Subscribed	Thesis
		National	International				
2013-14							
2014-15							
2015-16							01
2016-17							
2017-18							

4. Courses offered-

Year	Courses	Intake			Actual enrolment			New courses offered
		UG	PG	Ph.D	UG	PG	Ph.D	
2013-14		-	25	4 (1 course work)	-	24	3	nil
2014-15		-	25	3(1 course work)	-	23	2	nil
2015-16		-	25	-	-	24	1	nil
2016-17		-	25	-	-	25	1	nil

2017-18		-	25	1 course work	-	23	0	nil
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5. Faculty Strength

No. of Teachers Available	Year				
	2013-14	2014-15	2015-16	2016-17	2017-18
Professors	02 Promoted	02 Promoted	02 Promoted	02 Promoted	02 Promoted
Asstt. Professors	05	05	06	05	06
Regular	07	07	08	07	08
Adhoc	-	-	-	-	-
Contractual	-	-	-	-	-
Guest faculty	-	-	-	-	01
Visiting Faculty	-	-	-	-	-

Annexure

List of Faculty

Name	Designation	Qualification	Pay	Total experiences	No. of years in the college
Dr. Seema Gupta	Professor & HOD	M.Sc, Ph.D	192300	34	29
Dr.R. Maheshwari	Professor	M.Sc., Ph.D.	187300	32	32
Mr.M.S. Rawani	Asst. Professor	M.Sc	187300	35	12
Dr. Preeti Mishra	Asst. Professor	M.Sc, Ph.D	198700	33	31
Mrs.InduMandrik	Asst. Professor	M.Sc	181800	32	09
Dr. Kavita Das	Asst. Professor	M.Sc, M.Phil, Ph.D	147900	29	22
Dr. Shashi Gupta	Asst. Professor	M.Sc, Ph.D	66800	06	03
Dr. PallaviSinha	Asst. Professor	M.Sc, Ph.D,CSIR-NET, CSIR-SRF, DBT-RA	57700	01	01

6. Sanctioned , working strength and Vacant position (Faculty)

Category	Sanctioned			Working			Vacant			Grant total
	Prof.	Asstt. Prof.	Total	Prof.	Asstt. Prof.	Total	Prof.	Asstt. Prof.	Total	
Regular	01	08	09	02 (promoted)	06 (AP)	08	01	00	01	09
Contract basis	-	-	-	-	-	-	-	-	-	-

7. Qualification of Faculty

Category	No. of Ph.D.	No. Of M. Phil	Other	Total
Regular	06	01	-	08

Contract basis	-	-	-	-

8. Non Teaching Staff-

- (i) Sanctioned-
- (ii) Working – List to be provided in Annexure (enclosed as Annexure 1)
- (iii) Vacant -

9. Research Profile

Year	Research Publication	Research projects	Seminar/conference/ workshop/ synopsis	Other research and consultancy related activity
2013-14	25	-	12	-
2014-15	8	-	39	-
2015-16	03	-	26	-
2016-17	10	-	62	-
2017-18	10	-	32	-

Annexure to be prepared: enclosed as Annexure 2

Research Publication: See Annexure 2

S.No.	Name	Year	Title	Name of Journal	Volume	Page no.
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Research project

S.No.	Name	Year	Title of the project	Funding agency
	NIL	-	-	-

Seminar/ Conference/ Workshop/ Symposia

Name of the Department	Year	Title of the Seminar/ Workshop	Funding agency
Zoology	2015	workshop on “Quality Education ” Govt. Nagarjuna P.G. College of Science, Raipur	Rusa sponsored
	2016	National Conference on “Prospects in Life Sciences: Paradigm Shift in Teaching and Research in Zoological Sciences”	CGCOST, Govt fund
	2017	workshop on “Strategies and challenges in implementing semester system and choice based credit system (CBCS) ”	RUSA sponsored

10. Teaching learning methods adopted by the department List the methods.
Chalk and board, OHP, slide projector, LCD

11. Achievements of students (Provide details separately)

Year	Examination	Co curricular activities	Extracurricular activities
2013-14	U.G I. B.Sc I ST Year: 36.57% II. B.Sc II nd Year: 72.83% III. B.Sc III rd Year: 91.62% PG I. M.Sc I st Sem: 100% II. M.Sc II nd Sem: 100% III. M.Sc III rd Sem: 100% IV. M.Sc IV th Sem: 100%	Nil 1. Excursion tour to Rajeev Gandhi matsya ganga fish pond at, Demar, Dist. Dhamtari on 2. Guest lecture a) Concept of “ Integrated Pest management on 29/11/2013 by Dr. R.N Ganguly b) Interdisciplinary lecture on Mutation on 24/02/2014 by Dr.	Social activities at Demar

		<p>SuneetaPatra</p> <p>c) Lecture on Yoga & Stress on 05/03/2014 by Dr. VivekBhartiya</p> <p>d) Lecture on cell signalling on 06/03/2014 by dr. Archana Prasad</p> <p>3. Discussion on NET Exam pattern by Zoological society on 10/03/2014</p>	
2014-15	<p>U.G</p> <p>I. B.Sc IST Year: 59.10%</p> <p>II. B.ScIInd Year:69.20%</p> <p>III. B.ScIIIrd Year:83.79%</p> <p>PG</p> <p>I. M.ScIstSem: 95%</p> <p>II. M.ScIIndSem: 95%</p> <p>III. M.ScIIIrd Sem:100%</p> <p>IV. M.ScIVth Sem:95%</p>	<p>1. Excursion tour to fish farm at, Tirga, Dist. Durg on 17/10/2014</p> <p>2. Guest lectures</p> <p>a) Dr. A.K.Pati (Professor of Bio-science, Pt. Ravi Shankar Shukla University, Raipur 492 010, India) delivered lecture (11.9.14) on “Academic output –How to Augment and measure”h-index.</p> <p>b) Dr. V.K. Gupta(24.9.2014) delivered a lecture on Alternative to animal dissection</p>	Social activities at Tirga
2015-16	<p>U.G</p> <p>I. B.Sc IST Year: 66%</p> <p>II. B.ScIInd Year:76%</p> <p>III. B.ScIIIrd Year: 82%</p> <p>PG</p> <p>I. M.ScIstSem: 95%</p> <p>II. M.ScIIndSem: 84%</p> <p>III. M.ScIIIrdSem: 100%</p> <p>IV. M.ScIVthSem: 95%</p>	<p>1. Excursion Tour: Visit to Wildlife Sanctuary, Barnavapara</p> <p>2. Guest lectures</p> <p>a) Dr. H.K Wardia delivered a lecture on fish culture in Chhattisgarh</p> <p>b) A lecture for NET Examination preparations was organized on 9.4.16 by Mr. BhupendraSahu</p>	.
2016-17	<p>U.G</p> <p>I. B.Sc IST Year: 69.96%</p> <p>II. B.ScIInd Year: 67.09%</p> <p>III. B.ScIIIrd Year: 100%</p> <p>PG</p> <p>I. M.ScIstSem: 80%</p> <p>II. M.ScIInd Sem:91 %</p>	<p>Guest lecture</p> <p>a) Biological clock and Rhythm by Dr. A.K Pati on 04/10/16</p> <p>b) Wild life animal and Wild life crime by Dr. Meetu Gupta on 06/10/16</p> <p>c) Bird watching and documentation by Mr. RamitSingal on 07/11/16</p> <p>d) Soil and water testing and its concepts by dr. V.N. Mishra</p>	

	III. M.ScIII rd Sem: 95% IV. M.ScIV th Sem: 100%		
2017-18	U.G I. B.Sc I ST Year: 65.03% II. B.ScII nd Year:53.77% III. B.ScIII rd Year94.6: % PG I. M.ScI st Sem:95% II. M.ScII nd Sem: 90% III. M.ScIII rd Sem: 95% IV. M.ScIV th Sem: 95%	Guest lecture a) Lecture of Dr. K.N. Bapat (Principal, Govt.N.P.G. College of Science,Raipur) on 28.7.17 b) Dr. Lal Chandra delivered a lecture (Director and Professor, Deptt of Biochemistry, Maulana Azad Medical College, New Delhi) on 27.7.17. His talk was based on “Life style modification perception and belief	

Annexure enlist separately: (Enclosed as annexure 3)

12.Achievements of Teacher.

Year	Achievement of Teachers	Enclose Details Separately
2013-14	-	
2014-15	I- Best poster award	2- Mishra, P. and Gupta, S. (2015): Effect of <i>Ecliptaalba</i> on biochemical parameters of <i>Clariasbatrachus</i> , in National Conference on “Recent advances in medicinal plant research and its application in human health”. Department of Zoology, BhilaiMahilaMahavidhyalaya, Bhilai 2-3 March 2015.
2015-16	Poster-Awarded III rd Prize poster Poster- awarded I st Prize poster	Das,K., Mandrik, I and Maheshwari, R. Robin: The most familiar garden bird, National conference on prospects in life science, paradigm shift in teaching and research in zoological sciences under ZSC 2-3 march 2016 by Deptt. of Zoology Govt. NPG College of Science, Raipur Tandon, H.N. Maheshwari, R andTandonS : Checklist of Bird Species in Barnawapara Wildlife Sanctuary, District Mahasamund, C. G”.
2016-17	1.Best poster presentation award	Das,sK., Mandrik, I and

	2.2 nd Prize for poster presentation	<p>Maheshwari, R. Some behavioral observations of the Indian Robin <i>Saxicoloidesfulicata</i>. Interdisciplinary national seminar, Behavioral impact of animal and microorganisms on human life and their environment. Deptt. Of Zoology Govt. Dr, WW Patenker girls P.G, college Durg. 3-4 february 2017</p> <p>Mishra, Preeti. and Gupta Seema (2017:). Stem cell and regenerative medicine: Fact of 21st century . National CME on Stem cell and its application, organized by dept. of anatomy, Raipur</p>
2017-18	-	-

13. Research scholars enrolled/ Ph. D. Awarded

Year	Name of Supervisor	Research Scholars enrolled	Research completed & Ph.D. awarded
2013-14	1. Dr R.K. Agrawal	1. Ku Divya Kumudini Minj	2014
	2. Dr. Seema Gupta	1. Ku Rachna Jurry 2. Devendra Kumar Porte	Nil
2014-15	Dr. Seema Gupta	1. Ku Rachna Jurry 2. Devendra Kumar Porte	1 submitted (Rachna Jury)
2015-16	Dr. Seema Gupta	1. Devendra Kumar Porte	1 Awarded (Rachna Jury)
2016-17	Dr. Seema Gupta	1 Devendra Kumar Porte	-
2017-18		1. Devendra Kumar Porte	Submitted

Annexure enlist separately

Name of Supervisor	Title of the Research	Year of Registration	Year of Completion/ Ph.D. awarded
Dr.R.K.Agrawal	Biodiversity association index in relation to fishes of	01/07/2008	2014

	various ponds in Kanker District		
Dr. Seema Gupta	Effect of certain herbs on immunomodulatory and free radical load of lymphoid organ of air breathing cat fish <i>Clariusbatrachus</i>	17/11/2009	2015
Dr. Seema Gupta	Distribution, feeding and nesting behaviour of wet land birds at RatanPur, Chattisgarh	18.07.2012	2018

14. Board of studies Meeting-

Year	Date of meeting	Resolution passed	Remarks
2013-14	1. 19.2.13	Discuss and finalize The syllabus for UG and PG	Approved by academic council
	2. 29.10 13	Proposal for changing pattern of question paper	Approved by academic council
	3. 31.10.13	Change the pattern of question paper of main exam in graduation programme	Approved by academic council
2014-15	11.3.14	Discuss and finalize the syllabus of UG and PG	Approved by the committee
2015-16	1. 15.4.15	Discuss and finalize the syllabus of UG and PG	1. Approved by academic council
	2. 20.2.16	Discussion to apply the credit system in M.Sc. (As per the letter of Pt. R.S.U. Raipur)	2. Approved for session 2017-18
2016-17	10.4.17	Discuss and finalize the syllabus of UG and PG	Approved by the committee
2017-18	12.4.18	Suggested the CBCS/choice based credit system should be implemented in II and III semester of MSc with total 6 credit	Approved Syllabus

15. Selection of students for admission-

Year	Total application received PG	Admission given to candidate of minimum % on merit
2013-14	917	50.5%
2014-15	926	46.72%
2015-16	1432	-
2016-17	264	51.04%
2017-18	367	-

16. Selection of contract appointment of teachers Guest Faculty

Year	No. of Posts vacant	Application received	Appointment given to candidate on merit
2013-14	02	Nil	-
2014-15	02	Nil	-
2015-16	01	Nil	-
2016-17	02	Nil	-
2017-18	01	14	On merit

17. Extension activities done by the Department-

Year	Name of extension activity	Target group	Funds received from
2013-14	1. Lecture was delivered on water pollution and its effect on animals on 1.9.13 2. Described harm of alcohol drinking and demonstration of vermicomposting in village Pond 3. Lecture on NashaMukti, Baal vivaah	1. 12 th Students & Villagers (Pond) 2. Students & Villagers Demar	CPE CPE
2014-15	1. NukaddNatak against "Andh-vishwas" and lectures on different social issues like NashaMukti, DahejPratadana, Human Rights amongst the students of	Students of Govt. H.S. School of Tirga Village, Dist. Durg	CPE
2015-16	Nil	-	-
2016-17	Nil	-	-
2017-18	Nil	-	-

Annexure- Report & Photographs

18. Facilities of recreation activities-

List of facilities available with the Department

Year	Recreation facilities developed	Funds received from
2013-14	Nil	Nil
2014-15	Nil	Nil
2015-16	Nil	Nil
2016-17	Nil	Nil
2017-18	Nil	Nil

19. Innovative reforms of the Department-

List of innovative practices under way in the department

Year	Innovative reforms taken	Target group	Impact of reform
2013-14	<ul style="list-style-type: none"> • NET preparation test • Wall magazine prepared by student on environmental and animal diversity aspects 	M.Sc (Zoology, Botany, Biotechnology)	<ul style="list-style-type: none"> • Helpful for students in preparing NET exams • Students get awareness about environmental hazard, protection of wild life and learnt animal behaviour
2014-15	Wall magazine prepared by student on environmental and animal diversity aspects	M.Sc (Zoology)	Students get awareness about environmental hazard, protection of wild life and learnt animal behaviour
2015-16	Wall magazine prepared by student on environmental and animal diversity aspects	M.Sc (Zoology)	Students get awareness about environmental hazard, protection of wild life and learnt animal behaviour
2016-17	Wall magazine prepared by student on environmental and animal diversity aspects	M.Sc (Zoology)	Students get awareness about environmental hazard, protection of wild life and learnt animal behaviour
2017-18	<ul style="list-style-type: none"> • NET preparation test • Wall magazine prepared by student on environmental and animal diversity aspects 	M.Sc (Zoology, Botany, Biotechnology)	<ul style="list-style-type: none"> • Helpful for students in preparing NET exams • Students get awareness about environmental hazard, protection of wild life and learnt animal behaviour

20. Achievements of the Department-

S. No.	Items	Status before autonomy	Status at present
1	UG intake		
2	PG intake		25
3	UG Programmes		01
4	PG Programmes		01
5	M.Phil/ Ph.D.		Ph.D
6	Research publication		56
7	Research projects		Nil
8	Organizing seminar/ Conferences		03
9	Attending seminar/ conference		171
10	Extension activities		02
11	Consultancy		Nil
12	Faculty		08
13	Faculty with Ph.D.		06
14	Infrastructure		Existing, No new labs and rooms
15	Library		120 books added in departmental library
16	Result analysis		98.12%
17	Placement		2 PSC
18	Any other		-

Non teaching staff Class III & IV

1. Mr. Alok Kr Agarwal Lab Technician
2. Mr. Vinod Kr Mathurkar Lab Technician
3. Smt. Karuna Yadav Lab Technician
4. Mr. Surendra Kr Yadav Lab Attended
5. Mr. Rup Narayan Rajpoot Lab Attended
6. Smt. Manju Soni Farrash
7. Mr. Gajendra Rajpoot Lab Peon

Publication & Seminar attended by faculties

1. DR. SEEMA GUPTA

PUBLICATION

2013

1. Jurry, R., Gupta, S. and Mishra, P. (2013): Preliminary phytochemical screening of *A. aspara* L. Asian J. of Chem. and Environ. Res., 6(1-2), 105-110.
2. Jurry, R., Gupta, S. and Mishra, P. (2013): Phytochemical screening of *C.dactylon*. Asian J. of Chem. and Environ. Res., 6(1-2): 17-21.
3. Mishra, P. and Gupta, S. (2013): Effect of leaf extract of *E. alba* on haematology of *C. batrachus*. Asian J. of Animal Science, 8(2), 73-80.
4. Preeti Mishra and Seema Gupta (2013): Blood booster plant and Fishes: A review. Research front Vol.III, 71-76.
5. Preeti Mishra and Seema Gupta (2013): Phytochemical screening of *Eclipta alba*. Asian J. of Animal Science, 8(2), 112-114.
6. Devendra Singh Porte and Seema Gupta (2013): A preliminary investigation on avifaunal biodiversity with special reference to Asian Openbill (*Anastomusoscitans*) at Ratanpur (Chhattisgarh, India). Asian J. of Chem. and Environ. Res., 6: 26-33.
7. Mishra, P., Gupta, S. and Jurry, R. (2013): Haematopoietic effect of stem extract of *E. alba* on *C. batrachus*. Asian J. of Chem. and Environ. Res., 6: 73-79.

2014

8. Gupta, S. and Mishra, P. (2014): Effect of leaf extract of *Eclipta alba* on haematology of *C. gariepinus* (Burchell, 1852). World Journal of Pharmaceutical Research, 3(3): 4860-4870. RGJF-0.18
9. Mishra, P. and Gupta, S. (2014): Efficacy of stem extract of *Eclipta alba* on biochemical parameters of *Clarias batrachus*. Indo American Journal of Pharmaceutical Research, 4(6): 2780-2784. JF- 4.587 2231-6876
10. Jurry, R., Gupta, S. and Mishra, P. (2014): Investigation of hemapoietic effect of *Cynodon dactylon* (L.) on Indian walking catfish, *Clarias batrachus* (Linnaeus, 1758). Journal of Experimental Zoology, 17(2): 519-524. ISSN -0972-0030 Nasa rating- 5.1

11. Mishra, P. and Gupta, S. (2014): Haematological evaluation of *Eclipta alba* root extract in catfish *Clarias batrachus* (Linnaeus, 1758). *Journal of Pharmaceutical Scientific Innovation*, 3(3): 240-244. ISSN- 2277-4572
12. Mishra, P. and Gupta, S. (2014): Modulatory effect of *Eclipta alba* on biochemical parameters of catfish, *C. batrachus*. *World Journal of Pharmaceutical Research*, 3(4): 1223-1233. 4860-4870. RGJF-0.18
13. Mishra, P., Gupta, S. and Jurry, R. (2014): Effect of *Cynodon dactylon* on free radical load of lymphoid organs of *Clarias batrachus*. *World Journal of Pharmaceutical Research*, 3(7): 892-906. 4860-4870. RGJF-0.18

2015

14. Mishra, P. and Gupta, S (2015): Hematinic activity of *Eclipta alba* on *Clarias gariepinus* (Burchell) 1822. *World Journal of Pharmaceutical Research*, 4(12): 2015

2016

15. Damle, K.L., Gupta, S. and Sharma, M. (2016): Biodiversity of mites in poultry dust at Rajnandgaon district of Chhattisgarh, India. *Research Journal of Animal, Veterinary and Fisheries Science*, 4(5): 7-9.
16. Mishra, Preeti and Gupta, Seema (2016): Effect of root of *Eclipta alba* on biochemical parameters of *Clarias batrachus*. *World Journal of Pharmaceutical Research*, 5(7): 1935-1941

2017

17. Mishra, P. and Seema Gupta. (2017): Comparative effect of *Eclipta alba* on haematological parameters of Asian catfish, *C. batrachus*. *Indian Journal of Scientific Research*, 12(2): 099-106. ISSN: 0976-2876
18. Devendra Singh Porte and Seema Gupta (2017): Nesting behavior of Indian Pond Heron, *Ardeolagrayii* (sykes, 1832) at Ratanpur, district Bilaspur, Chhattisgarh, India. *Indian Journal of Applied and pure Biology*, 32(1): 31-42. 0970-2091
19. Devendra Singh Porte and Seema Gupta (2017): Assessment of distribution pattern of wetland birds between unpolluted and polluted ponds at Ratanpur, district Bilaspur, Chhattisgarh, India. *Indian Journal of Scientific Research*, 12(2): 204-215.
20. Devendra Singh Porte, Seema Gupta, Shrutika Kankariya (2018): Temporal pattern in foraging behaviour of the Indian pond heron, *Ardeolagrayii* at Ratanpur, Chhattisgarh, India. *Biological Rhythm Research*, <https://doi.org/10.1080/09291016.2018.1424768>

2018

21. P. Mishra and S. Gupta (2018): Effect of *Eclipta alba* on non-specific immune response of catfish. J. Exp. Zool. India, 21(1):483-490
22. Devendra Singh Porte and Seema Gupta (2018): Status and diversity of wetland birds at ancient township Ratanpur of Chhattisgarh, Ambient Science India. National Cave Research and Protection organization, India . 5(2)
23. Devendra Singh Porte and Seema Gupta (2018): A chronological assessment of foraging activities of the cotton Pigmy Goose, *Nettapus coromandelianus* Gmelin, 1789 at Dulahara pond, Ratanpur, Chhattisgarh, India. Biological Rhythm Research, DOI:10.1080/09291016.2018.1484807
24. Devendra Singh Porte, Seema Gupta, Shrutika Kankariya (2018): Temporal pattern in foraging activities of the cotton pigmy goose, *Nettapus coromandelianus* Gmelin, 1789 at Dulahara pond Ratanpur, Chhattisgarh, Biological Rhythm Research, <https://www.tandfonline.com/loi/nbrr20>

CONFERENCES/SEMINAR ATTENDED

2013-14

1. Symposium on Role of bioinformatics in Medicine. Department of Biochemistry, Pt. J.L.M. Medical College, Raipur. July 25th, 2013
2. National conference on "Traditional knowledge and biotechnology" SOS Biotechnology, Pt.RSU. Raipur Chhattisgarh , India, 22-24 Nov. 2013

2014-2015

1. Symposium on digital Medicine. Department of Biochemistry, Pt. J.N.M. Medical College, Raipur. July 25th, 2014
2. National conference on "Prospects of Life Science for human welfare with special reference to Chhattisgarh" & first Chhattisgarh congress of ZSC, Department of Zoology, Govt. V.Y.T. P.G. College Durg. 7th- 8th Feb, 2015.
3. National Conference on "Recent advances in medicinal plant research and its application in human health". Department of Zoology, Bhilai Mahila Mahavidhyalaya, Bhilai 2-3 March 2015.

2015-2016

1. National symposium on role of quality control in healthcare management Department of Biochemistry, Pt. J.L.M. Medical College, Raipur. July 25th, 2015.
2. National seminar on Enhancement strategies in quality education and research, IQAC, Govt. NPG College of Science, Raipur. November 27-28, 2015.
3. Interdisciplinary international seminar on “Rationalizing the utilization of available natural resources through appropriate technological intervention”. Swami Shri Swaroopanand Saraswati Mahavidyalya, Hudco, Bhilai, September-22-24, 2015.

2016-2017

1. National Symposium on Genetic basis of haematological disorders with special emphasis on Sickle cell disease. Department of Biochemistry, Pt. J.L.M. Medical College, Raipur. July 25-26, 2016

2017-2018

1. National Symposium on Genetic basis of haematological disorders with special emphasis on Sickle cell disease. Department of Biochemistry, Pt. J.L.M. Medical College, Raipur. July 25, 2017.
2. International conference on “Frontier in Pharmaceutical Sciences and Research” organized by Columbia Institute of Pharmacy, Raipur, C.G., India, 23rd&24th September, 2017.
3. National conference of Zoological society of Chhattisgarh on "Prospects of Innovation in Life Sciences and Socio-Economic Challenges” organized by Deptt. Of Zoology, C. M. D. P.G. College, Bilaspur in collaboration of Bilaspur Vishwavidyalaya 2-3 December 2017

Workshop attended

2013-14

1. National workshop on application of remote sensing and GIS in Geology. Department of geology, Govt. NPG College of Science, Raipur, 30-31st January, 2014.

20014-2015

1. Rusa sponsored workshop on “Quality Education ” Govt. Nagarjuna P.G. College of Science, Raipur on 22rd June, 2015
2. Rusa sponsored workshop on “Quality Education ” Govt. Nagarjuna P.G. College of Science, Raipur on 23rd June, 2015
3. Rusa sponsored workshop on “Governance, Leadership &management” Govt. Nagarjuna P.G. College of Science, Raipur on 24th June, 2015
4. Rusa sponsored workshop on “Examination reforms” Govt. Nagarjuna P.G. College of Science, Raipur on 25th June, 2015
5. Rusa sponsored workshop on “Strategies development and deployment to achieve access equity and excellence in higher education system” Govt. Nagarjuna P.G. College of Science, Raipur on 26th June, 2015
6. Rusa sponsored workshop on “Career Guidance” Govt. Nagarjuna P.G. College of Science, Raipur on 27th June, 2015

2017-2018

1. National workshop on Plagiarism and IPR: A prime concern for academia: Jointly Organized by Pt. Sunderlal Sharma Library, SoS in Library & Info. Science, Pt. Ravishankar Shukla University, Raipur (C.G.) & Govt. Nagarjuna Post graduate college, Raipur (C.G.) 02-03 June, 2018

2. DR. RENU MAHESHWARI

PUBLICATION

2014-15

1. Gupta S., **Maheshwari R.** and Ramtake A. (2015). Assessment of Chronotype, Body Mass Index and its Relation with Peak Expiratory Flow Rate. International Journal of Pharmacology and Biological Sciences, Volume: 9, No. 1&2. ISSN 0973-6808.

2015-16

2. Maheshwari R (2015). Impact of Landfill Waste on Health: An Overview. IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT) e-ISSN: 2319-2402, p- ISSN: 2319-2399. Volume. 1 Issue. 4, PP 17-23, Sept. 2015 www.iosrjournals.org.

3. Tandon H., Maheshwari R (2015). Avifaunal diversity of Pt. Ravishankar Shukla University Campus, Raipur (Chhattisgarh). IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT) e-ISSN: 2319-2402, p- ISSN: 2319-2399. Volume. 1 Issue 6, PP 41-44, Sept., 2015 www.iosrjournals.org

2016-17

4. Kavita Das, Renu Maheshwari and Indu Mandrik. (2017): Some behavioural observations of the Indian *Robin*, *Saxicoloides Fulicata*. Indian J. Sci. Res. 12 (2): 107-110, 2017 ISSN 0976-2876 (Print) ISSN: 2250-0138(Online).

2017-18

5. Renu Maheshwari, Kavita Das and Shashi Gupta (2018): Toxic waste, health issue and waste management: an overview. Ambient Science 5(sp2): online

CONFERENCES ATTENDED

2013-14

1. **“Role of Bioinformatics in Medicine”** Pt. Deendayal Upadhyay Centre for Genetic Disease and Molecular Biology, Department of Biochemistry, Pt. J.N. Medical College, Raipur (C.G.). 25th July, 2013
2. **International Conference on Comparative Endocrinology and Physiology.** Suraburdi Meadows, Nagpur, Maharashtra, India. 21-23 October, 2013.
3. National Seminar on “Library Initiatives in Digital Era” Jointly organized by Pt. Sundarlal Sharma Library, Pt. Ravishankar Shukla University, Raipur & Govt. Nagarjuna P.G. College of Science, Raipur (C.G.). 26th-27th October 2013.

2014-15

4. Symposium on “Digital Medicine”, Pt. Deendayal Upadhyay Centre for Genetic Disease and Molecular Biology, Dept. of Biochemistry. Pt. J.N.M. College Raipur. 25th July, 2014.
5. International Colloquium on Endocrinology and Physiology. Dept. of Zoology, Govt. D.B.G.P.G. Autonomous College, Raipur, (C.G.), 29 – 30 September, 2014.

6. National Conference on Prospects of Life Sciences for Human Welfare with Special Reference to Chhattisgarh. Jointly organized by Zoological Society of Chhattisgarh and Dept. of Zoology, V.Y.T. P.G. Autonomous College, Durg 7-8 February, 2015.

2015-16

1. National Symposium on “Role of Quality control in Health Care management” Pt. Deendayal Upadhyay Centre for Genetic Disease and Molecular Biology, Department of Biochemistry, Pt. J.N.M. Medical College, Raipur (C.G.). 25th July, 2015.
2. **National Seminar on** “Conservation of Plant Biodiversity: Global Issues”. Dr. Radhabai Govt. Naveen Kanya College, Raipur, (C.G.). 7th August, 2015. *Abs. Publ.: Human Impact on Conservation of Plant Diversity.*
3. Interdisciplinary International Seminar on “Rationalizing the utilization of available natural resources through appropriate technological intervention” Dept. of Zoology and Microbiology, Swami Shri Swaroopanand Saraswati Mahavidyalya, Hodco, Bhilai (C.G.). 22nd Sept. to 24th Sept. 2015
4. **National Seminar on** “Enhancement Strategies in Quality Education and Research” Internal Quality Assurance Cell (IQAC), Govt. **N.P.G. College of Science, Raipur, (C.G.). 27th- 28th November, 2015.**
5. **National Conference on** “Modern Life Sciences-Perspective and Prospects” Govt. College Bhakhara, Dist. Dhamtari, (C.G.). 04-05 December, 2015.
6. **National Conference on** “Prospects in Life Sciences: Paradigm Shift in Teaching and Research in Zoological Sciences”. Dept. of Zoology, **Govt. N.P.G. College of Science, Raipur, (C.G.). March 02 - 03, 2016. Organizing Secretary/Editor of the Souvenir**

2016-17-

1. **National Symposium** on “Genetic basis of Hematological disorders with special emphasis on Sick Cell Disease. Organized by Pt. Deendayal Upadhyay Center for Genetic Diseases & Molecular Biology, Dept. of Biochemistry, Pt. J.N.M. College Raipur on 25th & 26th July, 2016.
2. **Interdisciplinary National Seminar** on “Behavioral Impact of Animals and Micro-organisms on human life and their Environment” organized by Department of Zoology, Govt. Dr. W.W. Patankar Girls’ P.G. College, Durg (C.G.) on 3rd & 4th February, 2017. .

- 3. National CME “Stem cell & it’s application.** Organized by Department of Anatomy, Raipur Institute of Medical Sciences, Raipur (C.G.). 12th April, 2017.

2017-18-

- 1. National Symposium** on “Quality management in laboratory investigation and haematological disorders. Organized by Pt. Deendayal Upadhyay Center for Genetic Diseases & Molecular Biology, Dept. of Biochemistry, Pt. J.N.M. College Raipur on 25th & 26th July, 2017.
- 2. 3rd National conference** of Zoological Society of Chhattisgarh on “Prospects of Innovation in Life Sciences and Socio-Economic Challenges” Organized by Department of Zoology, C.M.D. Post Graduate College, Bilaspur in collaboration with Bilaspur Vishwavidyalaya. 02-03 December, 2017
- 3. National Seminar** on “Recent trends in Library Services” Jointly Organized by Pt. Sunderlal Sharma Library, SoS in Library & Info. Science, Pt. Ravishankar Shukla University, Raipur (C.G.) & Govt. Nagarjuna Post graduate college, Raipur (C.G.) 01 June, 2018
- 4. International Colloquium** on – Ambient Science to Strengthen the Green Economy. Organized by National Cave Research and Protection Organization. Co-sponsored by C.G. Cost and India SERB.

Workshop attended

2014-15

Rusa Sponsored: organized by Govt. N.P.G. College of Science, Raipur.

- 1. “Quality education” 23rd June, 2015. As Co-convenor & Prepared a Questioner.**
- 2. “Governance, Leadership & Management”. 24th June, 2015.**
- 3. “Examination Reforms”. 25th June, 2015.**
- 4. “Strategies development and deployment to achieve access, equity and excellence in higher system”. 26th June, 2015.**
- 5. “Carrier Guidance”. 27th June, 2015.**

2015-16

Workshops Participation

1. “Food Pesticides and Consequent Health Hazards” Dr. Radhabai Govt. Naveen Kanya College Raipur, (C.G.). 8th August, 2015.
2. **State level workshop on “Enhancement in work efficiency of Office and Technical staff”.** Organized by Swami Shri Swaroopanand Saraswati Mahavidyalya, Hudco, Bhilai from 21st to 23rd June 2016.
3. Capacity –Building Workshop on “Laboratory Techniques & Maintenance”. Organized by Govt. N.P.G. College of Science, Raipur. 18th-20th November, 2016.

2016-17

1. Bird Watching Workshop, Organized by Bird Count India, 06.11.16
2. Nikon School Workshop for BASIC D-SLR. Organized by Nikon India Pvt. Ltd. on 10.12.2016.
3. Nikon School Workshop for PHOTO WALK, Organized by Nikon India Pvt. Ltd. on 11. 12. 2016.
4. National workshop on “Alternatives of dissections and animal experimentation in Zoology”, Organized by Department of Zoology, Bhilai Mahila Mahavidhyalaya, Bhilai Nagar (C.G.) on 27th January to 02nd February. Abstract and (Invited talk) on, Is animal necessary for the Zoological studies? (30.01.2017) and also member of advisory committee.
5. Strategies and Challenges in Implementing Extension of Higher Education and Improvement in Quality of Higher Education. Organized by Govt. N.P.G. College of Science, Raipur. 20th June, 2017. Rusa Sponsored.
6. Road Map of Quality Enhancement. Organized by Govt. N.P.G. College of Science, Raipur. 21st June, 2017. Rusa Sponsored.
7. Examination Reform. Organized by Govt. N. P. G. College of Science, Raipur. 22nd June, 2017. Rusa Sponsored.
8. Strategies and Challenges in Implementing Semester System and Choice based Credit (CBCS) system. Organized by Govt. N. P.G. College of Science, Raipur. 23rd June, 2017. Rusa Sponsored.
9. Collection of Data, Analysis and Report Preparation. Organized by Govt. N.P.G. College of Science, Raipur. 2nd June, 2017. Rusa Sponsored.

10. National workshop on “Capacity Building in Higher Education: Use of Library resources. Organized by Govt. N.P.G. College of Science, Raipur. 27th June, 2017. Rusa Sponsored.

2017-18

1. National workshop on “Enzymology and its application (Isolation, Purification and Immbobalization of Enzymes-Amylase and Lipase”). Organized Dept. of Biotechnology and Micrbiology, Bhilai Mahila Mahavidyalaya, Bhilai 12-18 January, 2018.
2. National workshop on “Plagiarism and IPR: A Prime concern for Academia”. Jointly Organized by Pt. Sunderlal Sharma Library, SoS in Library & Info. Science, Pt. Ravishankar Shukla University, Raipur (C.G.) & Govt. Nagarjuna Post graduate college, Raipur (C.G.) 02-03 June, 2018

3. DR. PREETI MISHRA

PUBLICATION

2013

1. Jurry, R., Gupta, S. and Mishra, P. (2013): Preliminary phytochemical screening of A. aspara L. Asian J. of Chem. and Environ. Res., 6(1-2), 105-110.
2. Jurry, R., Gupta, S. and Mishra, P. (2013): Phytochemical screening of C.dactylon. Asian J. of Chem. and Environ. Res., 6(1-2): 17-21.
3. Mishra, P. and Gupta, S. (2013): Effect of leaf extract of E. alba on haematology of C. batrachus. Asian J. of Animal Science, 8(2), 73-80.
4. Preeti Mishra and Seema Gupta (2013): Blood booster plant and Fishes: A review. Research front Vol.III, 71-76.
5. Preeti Mishra and Seema Gupta (2013): Phytochemical screening of Ecliptaalba. Asian J. of Animal Science, 8(2), 112-114.
6. Mishra, P., Gupta, S. and Jurry, R. (2013): Haematopoietic effect of stem extract of E. alba on C. batrachus. Asian J. of Chem. and Environ. Res., 6: 73-79.

2014

7. Gupta, S. and Mishra, P. (2014): Effect of leaf extract of *Eclipta alba* on haematology of *C. gariepinus* (Burchell, 1852). *World Journal of Pharmaceutical Research*, 3(3): 4860-4870. RGJF-0.18
8. Mishra, P. and Gupta, S. (2014): Efficacy of stem extract of *Eclipta alba* on biochemical parameters of *Clarias batrachus*. *Indo American Journal of Pharmaceutical Research*, 4(6): 2780-2784. JF- 4.587 2231-6876
9. Jurry, R., Gupta, S. and Mishra, P. (2014): Investigation of hemapoietic effect of *Cynodon dactylon* (L.) on Indian walking catfish, *Clarias batrachus* (Linnaeus, 1758). *Journal of Experimental Zoology*, 17(2): 519-524. ISSN -0972-0030 Nasa rating- 5.1
10. Mishra, P. and Gupta, S. (2014): Haematological evaluation of *Eclipta alba* root extract in catfish *Clarias batrachus* (Linnaeus, 1758). *Journal of Pharmaceutical Scientific Innovation*, 3(3): 240-244. ISSN- 2277-4572
11. Mishra, P. and Gupta, S. (2014): Modulatory effect of *Eclipta alba* on biochemical parameters of catfish, *C. batrachus*. *World Journal of Pharmaceutical Research*, 3(4): 1223-1233. 4860-4870. RGJF-0.18
12. Mishra, P., Gupta, S. and Jurry, R. (2014): Effect of *Cynodon dactylon* on free radical load of lymphoid organs of *Clarias batrachus*. *World Journal of Pharmaceutical Research*, 3(7): 892-906. 4860-4870. RGJF-0.18

2015

13. Mishra, P. and Gupta, (2015): Hematinic activity of *Eclipta alba* on *Clarias gariepinus* (Burchell) 1822. *World Journal of Pharmaceutical Research*, 4(12): 2015

2016-

14. **Mishra, Preeti** and Gupta Seema (2016): Effect of root of *Eclipta alba* on biochemical parameters of *Clarias batrachus*. *World Journal of Pharmaceutical Research*, 5(7): 1935-1941
15. Mishra, P. and Gupta, S. (2017): Comparative effect of *Eclipta alba* on haematological parameters of Asian catfish *C. batrachus*. *Indian J. sci.res*, 12 (2):2017 ISSN :0976-2876(print), ISSN: 2250-0138(on line)

2017-

16. **P. Mishra** and S. Gupta (2018) Effect of *Eclipta alba* on nonspecific immune response of catfishes. *Journal of Experimental Zoology*, 21: (1), 483-490

CONFERENCES ATTENDED

2013-14

1. **“Role of Bioinformatics in Medicine”** Pt. Deendayal Upadhyay Centre for Genetic Disease and Molecular Biology, Department of Biochemistry, Pt. J.N. Medical College, Raipur (C.G.). 25th July, 2013

2014-15

1. International colloquium on endocrinology and Physiology. Dept. of Zoology, Govt. D. B .Girls College, Raipur, 29-30 sept 2014
2. National conference on “Prospects of life sciences for human welfare with special reference to Chhattisgarh” Deptt of Zoology, Govt. V.Y.P.T. Science College, Durg 7-8 Feb

2015 -16

1. National conference on “Recent advances in medicinal, plant research and its application in human health” Dept of Zoology, Bhilai Mahila Mahavidyalaya during 2-3rd March, 2015

2015-16-

1. National symposium on “Role of quality in the health Management on 25th July 2015, Organized by Pt. J.N.M. Medical College, Raipur
2. National seminar on “Enhancement Strategies in Quality Education and Research on. 27-28 November 2015 organized by Govt. N.P.G. College of Science, Raipur
3. National conference on " Prospects in Life Science: Paradigm shift in Teaching and Research in Zoological Science on 2-3 March 2016 organized by Dept. of Zoology, Govt. N.P.G. College of Science, Raipur

2016-17

1. National symposium on “Genetic basis of hematological disorders with special emphasis on Sickle cell disease." 25-26th July, 2016 Organized by Pt. J.N.M. Medical College, Raipur
2. Interdisciplinary National seminar on "Behavioral impact of animals and microorganisms on human life and their environment"organized by Dept. of Zoology, Govt. Dr. W.W.Patankar Girls PG College, Durg, 3-4 Feb 2017
- 3.National CME on “Stem cell and its application” Organized by Department of anatomy, Raipur Institute of medical sciences, Raipur CG 12 April 2017

2017-18

1. National symposium on “Quality Management in laboratory investigations and hematological disorders on 25th July 2017 Organized by Pt. Deendayal Upadhyay Centre for genetic diseases and molecular biology, Dept. of Biochemistry, Pt. J.N.M. Medical College, Raipur
2. International Conference on “Frontier in Pharmaceutical Sciences and Research with the theme “Advances in development delivery system and clinical monitoring of drugs helon 23rd& 24th September 2017 organized by Columbia Institute of Pharmacy, Raipur, CG, India.
3. National conference of Zoological society of Chhattisgarh on "Prospects of Innovation in Life Sciences and Socio-Economic Challenges” organized by Deptt. Of Zoology, C. M. D. P.G. College, Bilaspur in collaboration of Bilaspur Vishwavidyalaya 2-3 December 2017.
4. National seminar on “Recent trend in library services” held at Govt. N.P. G. College of Science, Raipur on 01 June 2018.

Workshop attended (5)

2014-15

1. RUSA sponsored workshop on “Quality Education" organized on 23.6.15 by Govt. N.P.G. College of Science, Raipur
2. RUSA sponsored workshop on “Governance, Leadership & Management" organized on 24.6.15 by Govt. N.P.G. College of Science, Raipur
3. RUSA sponsored workshop on “Examination Reforms" organized on 25.6.15 by Govt. N.P.G. College of Science, Raipur
4. RUSA sponsored workshop on “Strategies & deployment to achieve access, equity and excellence in higher system" organized on 26.15 by Govt. N.P.G. College of Science, Raipur
5. RUSA sponsored workshop on “Career Guidance" organized on 27.6.15 by Govt. N.P.G. College of Science, Raipur 2015

2016-17

1. National workshop on “Alternatives of Dissections and Animal experimentation in Zoology" organized by Deptt. of zoology , Bhilai Mahila Mahavidyalaya, Bhilai, 27 Jan-2 Feb 2017

2. RUSA sponsored workshop on “Strategies and challenges in implementing semester system and choice based credit (CBCS) system” organized on 23rd June 2017 by Govt. N.P.G. College of Science, Raipur
3. RUSA sponsored workshop on “collection of data. Analysis and report preparation” organized on 24th June 2017 by Govt. N.P.G. College of Science, Raipur
4. RUSA sponsored workshop on “capacity building in higher education: use of library resources on 27th June 2017 “held at Govt. N.P.G. College of Science, Raipur

2017-18

1. National workshop on Plagiarism and IPR: A prime concern for academia: 2-3 June 2018

3. PROF. INDU MANDRIK

PUBLICATION

2016-17-

1. Kavita Das, Renu Maheshwari and InduMandric (2017)Some behavioral observations of the Indian Robin *Saxicoloides fulicata*.. Indian journal of scientific research 12(2): 107-110, 2017. Issn :0976-2876(print), ISSN: 2250-0138(on line)

CONFERENCE ATTENDED

2014-15

1. National symposium on “Digital Medicine” 25.7.2014, Pt. J. N. M. Medical college Raipur.
2. International Colloquium on “Endocrinology and Physiology”; 29th -30th September, 2014, Govt. D. B. Girls’ P.G. College, Raipur

2015-16

1. National symposium on “Role of quality control in Health Care Management” 25.7.2015, Pt. J.N.M. Medical college Raipur
2. National Conference on “Prospects in life sciences: Paradigm Shift in Teaching and Research in zoological science” 02-03 March, 2016; Govt. Nagarjuna P.G. College of Science, Raipur

2016-17

1. National symposium on “Genetic Basis of haematological disorders with special emphasis on sickle cell disease” 25-26 July, 2016; Pt. J.N.M. Medical college Raipur
2. Interdisciplinary National Seminar on “Behavioral impact of animals and microorganisms on Human life and their environment”; 3-4 Feb 2017, Govt. Dr. W. W. Patankar Girls’ P.G. College, Durg

2017-18

1. National symposium on Quality management in laboratory investigations and Haematological disorders. 25th July 2017, disease 25- 26 July 2016. Pt DDU Center for genetics diseases and molecular biology, Deptt. Of Biochemistry, Pt. J.N.M. medical college, Raipur, C.G.
2. National seminar-2018, Recent trend in Library sciences. Pt. Sunderlal Sharma library and SOS in library and Info science **1 June 2018**-, Pt R.S.U., Raipur(C.G.) and Govt. N.P.G. college of science.

Workshop attended

2014-15

1. Workshop on “Quality Education”, 23-06-15, Govt. Nagarjuna P.G. College of Science, Raipur.
2. Workshop on “Governance, Leadership and Management” , 24-06-15, Govt. Nagarjuna P. G. College of Science, Raipur
3. Workshop on “Examination Reforms” , 25-06-15, Govt. Nagarjuna P. G. College of Science, Raipur
4. Workshop on “Strategies Development and deployment to achieve, access, equity and excellence in higher system”, 26-06-15, Govt. Nagarjuna P. G. College of Science, Raipur
5. Workshop on “Career Guidance” , 27-06-15, Govt. Nagarjuna P.G. College of Science, Raipur

2016-17

1. National workshop on “Alternatives of dissections and animal experimentation in zoology”; 27th Jan-02nd Feb, 2017; Bhilai Mahila Mahavidyalaya, Bhilai
2. Workshop on “Strategies and challenges in implementing extension of higher education and improvement in quality of higher education.” ; 20th June, 2017, Govt N. P. G College of Science.

3. Workshop on “Examination Reforms”; 22nd June, 2017, Govt. N. P. G. College of Science
4. Workshop on “Strategies and challenges in implementing semester system and choice based credit system.”; 23rd June, 2017, Govt N. P. G College of Science.
5. Workshop on “Collection of data, analysis and report preparation”; 24th June, 2017, Govt. N. P. G. College of Science.
6. National workshop on “ Capacity building in higher education : Use of library resources” ; 27th June, 2017, Govt. N. P. G. College of Science

2017-18

1. National workshop on Plagiarism and IPR: A prime concern for academia: 2-3 June 2018

DR.KAVITA DAS

PUBLICATION

2015-16

1. Maheshwari R., Gupta S., Das K. (2015): Impact of landfill waste on health: An overview IQSR Journal of Environmental Sciences. Toxicology and food technology (IQSR. JESTFT) e-Issn: 2319-2402 p-ISSN 2319-2399 pp-08-14 www.ioassjournals. Sep 2015.
2. Aganiwanshi, S., Ratre, M. Karangawanker, P. Das K.(2015): Effect of constant light and dark on packed cell volume in *Clarias batracus*. IQSR journal of Environmental Sciences. Toxicology and food technology (IQSR. JESTFT) e-Issn: 2319-2402 p-ISSN 2319-2399 pp-08-14 www.ioassjournals. Sep 2015.vol 1 issue 5, pp 50-53

2017-18

1. Kavita Das, Renu Maheshwari and Indu Mandrik (2017): Some behavioral observations of the Indian Robin *Saxicoloides fulicata*. Indian journal of scientific research 12(2): 107-110, 2017. Issn :0976-2876(print), ISSN: 2250-0138(on line)

CONFERENCES ATTENDED

2014-15

1. Symposium on Digital medicines, Pt DDU Center for genetics diseases and molecular biology, Deptt. Of Biochemistry, Pt. J.N.M. medical college, Raipur, C.G.
2. **International colloquium on endocrinology and** physiology 29-30 September 2014, Department of zoology Govt. D.B. girls P.G. Autonomous College , Raipur.
3. National CME biochemical aspects of inborn error of metabolism 17 Jan Deptt. Of Biochemistry LA M Medical college Raigarh CG
4. National conference on prospects of life science for human welfare with special reference to Chhattisgarh & first Chhattisgarh Congress pf ZSC. 7-8 Feb 2015 Dept of Zoology Govt. V.Y.T.P.G Autonomous College, Durg.

2015-16

1. National symposium on Role of quality control in health management 25July 2015.Pt. D.D.U. Center for Genetic diseases and molecular biology, Deptt. of Biochemistry, Pt. J.N.M. Medical college, Raipur, C.G.
2. Interdisciplinary **International seminar** , 22-24Sep2015 Swami Shri Swaroopa nand Saraswati Mmahavidyalaya Bhilai
3. National conference on prospects in life science, paradigm shift in teaching and research in zoological sciences under ZSC 2-3 March 2016 by Deptt. Of Zoology Govt.N.P.G.College of Science, Raipur.

2016-17

1. National symposium on Genetic basis of haematological disorders with special emphasis on sickle cell disease 25- 26 July 2016. Pt. D.D.U. Center for genetics diseases and molecular biology, Deptt. Of Biochemistry, Pt. J.N.M. Medical college, Raipur, C.G.
2. Interdisciplinary national seminar, “Behavioral impact of animal and microorganisms on human life and their environment”. Deptt. Of Zoology Govt. Dr, W.W. Patenker girls P.G, college Durg.3-4-F february 2017

3. National conference on “Tribal health and their nutritional status in Chhattisgarh New vistas”. 20-21 January 2017. By Deptt. Of Zoology Govt. N.C.J. Arts Science and Commerce college Dali Rajhara, Dist. Balod C.G.
4. National CME on stem cell and its application on 12th april 2017. Deptt. Of Anatomy Raipur, Institute of medical sciences.(RIMS)

2017-18

1. National symposium on “Quality Management in laboratory investigations and hematological disorders” on 25th July 2017 Organized by Pt. Deendayal Upadhyay Centre for genetic diseases and molecular biology, Dept. of Biochemistry, Pt. J.N.M. Medical College, Raipur
2. National conference of Zoological society of Chhattisgarh on "Prospects of Innovation in Life Sciences and Socio-Economic Challenges” organized by Deptt. Of Zoology, C. M. D. P.G. College, Bilaspur in collaboration of Bilaspur Vishwavidyalaya 2-3 December 2017
- 3 National seminar, on “ Recent trend in Library sciences”. Pt. Sunder lal Sharma library and SOS in Library and Info science, Pt R.S.U., Raipur (C.G.) and Govt. N.PG. college of Science **June 2018-**
- 4 . International Colloquium on “Ambient Science to strengthen the Green economy”. National Cave research and protection organization, India. 7 -10 June 2018

Workshop attended

2014-15

1. Bioinformatics in medical sciences. **26-31 july 2014** Dept.of Biochemistry, Pt. J.N.M. Medical College, Raipur (C.G.)
2. Five one day workshop of rusa 23-27 june 2015 of RUSA Govt NPG college of science . Raipur CG
 - “Quality education” **23rd June, 2015.**
 - Governance, Leadership & Management”. **24th June, 2015.**
 - “Examination Reforms”. **25th June, 2015.**
 - “Strategies development and deployment to achieve access, equity and excellence in higher system”. **26th June, 2015.**
 - “Carrier Guidance”. **27th June, 2015.**

2016-17

1. Bird watching workshop, held on urja park, Raipur, 6.11 2016, Organized by bird count India.

2. Nikon school workshop for basic D-SLR on 10-12 2016.
3. Nikon school workshop for Photowalk 11.12. 2016.
4. National workshop on Alternative of dissections and animal experimentation in Zoology. Sponsored by UGC, CRO, Bhopal By, Bhilai mahila Mahavidyalaya, Bhilai nagar. 27January 2017 to 2nd February 2017.

6 one day work shop 20- 27 2017- of RUSA Govt NPG college of science . Raipur CG

1. Strategies and challenges in implement Extention of Higher education and improvement in Quality of higher education. 20th June
2. Road map of Quality Enhancement. 21st June
3. Examination Reforms. 22nd June-
4. Strategies and challenges in implementing semester system and choice based credit (CBCS) system. 23rd June
5. Collection of data, analysis and report preparation. 24th June
6. Capacity building in higher education: use of library resources. 27 June

2017-18

1. State level Workshop on-Science and technology for Harnessing Natural Resources towards sustainable Development. Dr. Radhabai Govt. Navin Kanya Mahavidyalaya Raipur, C.G. Poster presentation- Rain water harvesting. March 10, 2018
2. National sickle cell update and workshop- Sickle cell center Department of medicine and biochemistry, CIMS, Bilaspur In collaboration with Dr. G. Bose memorial sickle care center Bilaspur (c.g). 25th March 2018
3. National workshop-2018. Plagiarism and IPR: A prime concern for academia. Pt. Sunderlal Sharma library and SOS in library and Info science, Pt R.S.U., Raipur(C.G.) and Govt. N.P.G. college of science. 2-3 June 2018

5. DR. SHASHI GUPTA

PUBLICATION

2014-15

1. **Gupta S.**, Maheshwari R. and Ramtake A. (2015). Assessment of Chronotype, Body Mass Index and its Relation with Peak Expiratory Flow Rate. International Journal Of Pharmacology and Biological Sciences, Volume: 9, No. 1&2. ISSN 0973-6808.

2015-16

1. Shashi Gupta (2015): Impact of Landfill Waste on Health: An Overview. IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT) e-ISSN: 2319-2402, p- ISSN: 2319-2399. Volume. 1 Issue. 4, PP 17-23, Sept. 2015
www.iosrjournals.org.

CONFERENCE ATTENDED

2014-15

1. International Colloquium on Endocrinology and Physiology. Dept. of Zoology, Govt. D.B.G.P.G. Autonomous College, Raipur, (C.G.), 29 – 30 September, 2014.
2. **National Conference** on Prospects of Life Sciences for Human Welfare with Special Reference to Chhattisgarh. Jointly organized by Zoological Society of Chhattisgarh and Dept. of Zoology, V.Y.T. P.G. Autonomous College, Durg 7-8 February, 2015.

2015-16

1. National Symposium on “Quality Control in health care management: Alternative roles” Organized by Pt. JNM Medical College, Raipur. Date 25 July, 2015.
2. Human Impact on conservation of Plant Diversity on “Conservation of Plant Diversity: Global Issues” organized by Dr. Radhabai Navin Kanya Mahavidyalaya. 7th August 2015
3. National Seminar on Trend of voting behavior in Indian Democratic System. Organized by Minimata Girls College Baloda Bazar-Bhatapara. Date 20-21 September, 2015.
4. Interdisciplinary International Seminar “Impact of Landfill waste on health, an overview”. Organized by Swami Shri Swaroopananad Saraswati Mahavidyalaya Hodco Bhilai, C.G. 22-24 September 2015
5. National conference of “Prospects in Life Sciences : Paradigm Shift in Teaching and Research in Zoological Sciences”. Organized by Department of Zoology, Govt. Nagarjuna P.G. College of Science, Raipur (Chhattisgarh) 02-03 March 2016.

2016-17

1. National Symposium on “Genetic basis of Haematological disorders with special emphasis on Sickle Cell Disease. Organized by Pt. Deendayal Upadhyay Center for

Genetic Diseases & Molecular Biology, Dept. of Biochemistry, Pt. J.N.M. College Raipur on 25th & 26th July, 2016. Awarded by 04 Credit hours

2. National CME “Stem cell & its application. Organized by Department of Anatomy, Raipur Institute of Medical Sciences, Raipur (C.G.). 12th April, 2017. (Chairperson for one session)

2017-18

1. National symposium on “Quality Management in laboratory investigations and hematological disorders on 25th July 2017 Organized by Pt. Deendayal Upadhyay Centre for genetic diseases and molecular biology, Dept. of Biochemistry, Pt. J.N.M. Medical College, Raipur
- 2 June 2018- National seminar-2018, Recent trend in Library sciences. **Pt. Sunderlal Sharma library and SOS in library and Info science, Pt R.S.U., Raipur (C.G.) and Govt. N.PG. college of science.**
3. International Colloquium on – Ambient Science to Strengthen the Green Economy. Organized by National Cave Research and Protection Organization. Co-sponsored by C.G. Cost and India SERB.

DR, PALLAVI SINHA

PUBLICATION

1. Maximizing power generation from dark fermentation effluents in microbial fuel cell by selective enrichment of exoelectrogens and optimization of anodic operational parameters. Jhansi L. Varanasi, Pallavi Sinha, Debabrata Das. Biotechnology Letters (ISSN: 0141-5492) (2017).
2. Improvement in energy recovery by dark fermentative biohydrogen followed by biobutanol production process using obligate anaerobes Romit Mitra, G. Balachandar, Vaishali Singh, Pallavi Sinha, Debabrata Das. International Journal of Hydrogen Energy Volume 42, (2017) **Impact Factor-3.548.**

Details of Co-Curricular activities

2013-2014

Excursion tour to Fish Farm Tirga

" सोशल वर्क "

है राजीव गांधी मत्स्य गंगा का भ्रमण ३ मछली पालन के तरीके एवं इनके लाभ को जानना। यहाँ मछली की प्रजनन, बीज उत्पादन तथा इनके विकास की विभिन्न अवस्थाओं के बारे में जाना। विभिन्न उह तालाबों में से रोड़, कतला, भूगल झींगा तथा अन्य मछलियों के विभिन्न अवस्थाओं का निरीक्षण कराया गया। मछली पालन के विभिन्न पहलुओं जैसे प्रजनन, अण्डों की हचिंग, नर्सरी स्थानांतरण, तालाब में स्थानांतरण, सुरक्षा, रखरखाव तथा इनमें होने वाली बिमारियों के बारे में बताया गया तथा मछली एम्ब्रियो का निरीक्षण कराया गया।

मार्गदर्शक :- संचालक, राजीव गांधी मत्स्य गंगा हेमर एवं प्राध्यापक गण प्राणी शास्त्र विभाग

विषय :-

(1) नशा मुक्ति हेतु जागरूकता पर व्याख्यान :- दिनेश कुमार साहू (एम.एस.सी. प्रथम द्वारा)

(2) बाल विवाह रोकथाम के प्रति जागरूकता पर चर्चा :- मनीषा साहू रिज, पटेल, शहानम लानो (एम.एस.सी. अंतिम द्वारा)

गोदाम - हेमर, गिद्धा - धमतरी (छ.ग.)

कार्यक्रम स्थल - शांठ ३० मा० विशाल्य हेमर, (धमतरी)

अपस्थिति :- समस्त छात्र - हायर सेकेंडरी (11वीं, 12वीं)

मउ छात्र पाठ्य शास्त्र (एम.एस.सी. - प्रथम, अंतिम)

प्राचार्य एवं शिक्षक गण - शांठ ३० मा० वि० हेमर

प्राध्यापक गण - शांठ नागार्जुन स्ना० विज्ञान महा० रायपुर (छ.ग.)

इस अवसर पर बाल विवाह एवं नशा मुक्ति जागरूकता के पोस्टर प्राणी शास्त्र विभाग द्वारा विद्यालय के प्रदर्शन किया गया।

प्रायोजक - C.P.E. (आर्गेनाइजेशन आफ कैंम्पेन फॉर सोशल वर्क)

प्राणी शास्त्र विभाग

शांठ नागार्जुन स्ना० विज्ञान महाविद्यालय रायपुर (छ.ग.)

- 1) पर्यावरण प्रदूषण के दुष्परिणामों के प्रति आगरकता :- रिंकु पटेल एवं पद्मा नेहाम (एम. एस. पूर्वी अंतिम) द्वारा व्याख्यान ।
- 2) लास्टिक के कारण होने वाले प्रदूषण एवं दूष्परिणामों के प्रति आगरकता :- डॉ. कविता दास (सहाय प्राध्यापक, प्राणीशास्त्र विभाग) द्वारा व्याख्यान ।
- 3) नदियों के दुष्परिणामों के प्रति आगरकता :- बिष्णु कुमार झा (एम. एस. पूर्वी) द्वारा व्याख्यान ।
- 4) कैचूला व्याक बनाने की विधि एवं इससे लाभ :- बिष्णु कुमार झा एवं भूपेन्द्र झा (एम. एस. पूर्वी) द्वारा व्याख्यान ।
- 5) सामाजिक सुरक्षितों के प्रति जागरूकता :-
 गोदग्राम :- ग्रामपौड, जिला - रायपुर (झारखण्ड)
 कार्यक्रम स्थल :- शांठो मां विद्यालय, कैमर पौड, जिला - रायपुर
 उपस्थिति :- प्राणीशास्त्र विभाग प्राध्यपक गण
 छात्र - 35 (एम. एस. सी. - पूर्व एवं अंतिम)
 प्राचार्य - शांठो मां विद्यालय पौड, ग्राम - पंचायत के पदाधिकारी
 गण - सरपंच, उपसरपंच एवं पंचगण तथा उपस्थित लगभग 150 ग्रामीण ।
- अन्य सामाजिक कार्य :- नशा भूमि पर नुक्कड़ नाटक का प्रदर्शन (एम. एस. सी. - पूर्व द्वारा)
- उल्लेखित विषयों के वीस्टर विद्यालय के प्रधान किया गया ।
- 1) पौधारोपण फलदार एवं फल वाले पौधों का किया गया ।
- 2) सिंचाई तथा स्फार्ड के विभिन्न सामग्री जैसे बाजरी, फसल कूड़ादान का वितरण प्राणी शास्त्र विभाग द्वारा विद्यालय को प्रदान किया गया ।
- इस अवसर पर उपस्थित ग्रामीणों ने पर्यावरण प्रदूषण रोकने, नशान करने तथा वृक्षारोपण करने का निश्चय किया ।
- तापसी में जंगल पर्यटन स्थल का भ्रमण प्राणीशास्त्र विभाग द्वारा किया गया ।

Date

Page No.

Signature

प्रायोजक :- C.P.E. - भार्गोनाइजेक्षण भाषा कैम्पेन कार सोशल वर्क



2014-15

1. Excursion tour to Tirga

Context: Field tour serves as an opportunity for exploration, discovery and original experience of animal life.

Aim: To gain the practical knowledge of the aquaculture and vermiculture in the field and aware the villagers to a number of social evils by the students.

Activity: M.Sc. students along with faculty members **Dr. Seema Gupta and Smt. Indu Mandrik** visited a **fish farm at, Tirga**, Dist. Durg on 17/10/2014 to study induced breeding, fish pond & its maintenance, identification of male & female fish and integrated farming, prawn culture and Vermiculture.

They performed Nukkad Natak against “Andh-vishwas” and also delivered lectures on different social issues like Nasha Mukti, Dahej Pratadana, Human Rights amongst the students of Govt. H.S. School of Tirga Village. Students participated in plantation with local school students.

Learning outcome -They learned about fresh water fish culture, Vermi culture, prawn culture and learn how to aware the villagers to various social evils.

Beneficiary- Approximately 46 M.Sc. Students and teaching staff and non-teaching staff



Guest Lectures:

- a. **Dr. A.K Pati** (Professor of Bio-science, Pt. Ravi Shankar Shukla University, Raipur 492 010, India) delivered lecture (11.9.14) on “Academic output –How to Augment and measure”h-index. He stated that the ***h-index*** is an index that attempts to measure both

the productivity and citation impact of the published body of work of a scientist or scholar. The index is based on the set of the scientist's most cited papers and the number of citations that they have received in other publications. The index can also be applied to the productivity and impact of a scholarly journal as well as a group of scientists, such as a department or university or country. The index was suggested in 2005 by Jorge E. Hirsch, a physicist at UCSD, as a tool for determining theoretical physicists' relative quality and is sometimes called the *Hirsch index* or *Hirsch number*.

The index is based on the distribution of citations received by a given researcher's publications. Hirsch writes:

A scientist has index h if h of his/her N_p papers have at least h citations each, and the other $(N_p - h)$ papers have no more than h citations each.

In other words, a scholar with an index of h has published h papers each of which has been cited in other papers at least h times. Thus, the h -index reflects both the number of publications and the number of citations per publication. The index is designed to improve upon simpler measures such as the total number of citations or publications. The index works properly only for comparing scientists working in the same field; citation conventions differ widely among different fields.

The h -index serves as an alternative to more traditional journal impact factor metrics in the evaluation of the impact of the work of a particular researcher. Because only the most highly cited articles contribute to the h -index, its determination is a simpler process. Hirsch has demonstrated that h has high predictive value for whether a scientist has won honors like National Academy membership or the Nobel Prize. The h -index grows as citations accumulate and thus it depends on the "academic age" of a researcher.

b. Dr. V.K. Gupta(24.9.2014) delivered a lecture on Alternative to animal dissection

2015-16

Excursion Tour: Visit to Wildlife Sanctuary, Barnavapara,

Context: Study tours are important in many ways. It provides valuable educational opportunities away from the classroom, without using textbooks and other tools used in a normal course. Students will have a greater knowledge of how presently wildlife conservation and management relates to the economy and environment as well as in future.

Aim: Observed local animal and plant life in their natural habitat and learned to identify common wildlife species

Activity: M.Sc. students visited a Wildlife Sanctuary, Barnavapara, Dist. Mahasamund with teaching faculty Dr. Seema Gupta, Dr. Renu Maheshwari and Dr. Kavita Das and non-teaching staff on 05.04.2016. This sanctuary was established in 1976 under Wildlife Protection Act of 1972. The area of sanctuary is 245 sq km and is well known for its fauna and flora. This sanctuary is mainly comprised of Bamboo, Sal, Terminalia, Teak and many other varieties of trees. The rich flora supports a wide variety of wildlife. During the visit students got opportunity to interact with Ranger of Barnawapara Mr. Manoj Chandrakar and discussed about rules and regulation of forest. He explained how to identify the animals and how one should behave in the Jungle. In addition he also discussed about wildlife conservation. During the visit we got opportunity to see Monkey, Bison, Neelgay (Male & Female), Deer, Bear and variety of birds like Peacock, Red vented Bulbul, Crow, Dove, Neelkanth, Sparrow etc.



. Guest lectures

a. . Dr. H.K Wardia delivered a lecture on **fish culture** in Chhattisgarh

Context: Fish production in the Chhattisgarh had registered a growth of more than 130 per cent over a period of a decade. With the increase in the production, Chhattisgarh had now placed in top six fish producing states in the country. "The state government encouraged the fish farming by giving numerous incentives to the fishermen and it had brought the required change..

Aim: There are numerous job opportunities in government and the private sector. Candidates can go for entrepreneurship or self-employed in their own fisheries-related business

Learning outcome: Fisheries in India is a very important economic activity and a flourishing sector with varied resources and potentials. Students learned about fish culture

Beneficiary: M.Sc. Students

b. . A lecture for NET Examination preparations was organized on 9.4.16 by Mr. Bhupendra Sahu





2016-2017

Guest Lectures

S.No	Date	Lecture Given By	Topic	To Class
1.	4.10.16	Dr. A. K. Pati	Biological clock and Rhythm	M.Sc. students
2.	6.10.16	Dr. Meetu Gupta	Wild life animal and Wild life crime	
3.	7.11.16	Mr. Ramit Singal	Bird watching and documentation	
4.	22.3.17	Dr. V. N. Mishra	Soil and water testing and its concepts	

2017-2018

Guest lecturers:

a. Lecture of Dr. K.N. Bapat (Principal, Govt.N.P.G. College of Science,Raipur) on 28.7.17

Context: Leaving home and traveling to a new country can be a stressful experience, even though it may be something to have planned and prepared for. Many people are surprised when they experience the impact of culture shock, and it can be helpful to realize your

experience is actually quite normal. It includes the shock of a new environment, meeting lots of new people and learning the ways of a new country.

Aim: An overseas trip is an amazing opportunity for students to practice their language skills, especially the communicative skills of understanding and speaking and are more often than not the skills that students are generally most nervous about for end of exams. A trip to abroad gives them unique opportunity to get extensive practice.

Dr. K.N. Bapat shared his experiences about his trip to abroad



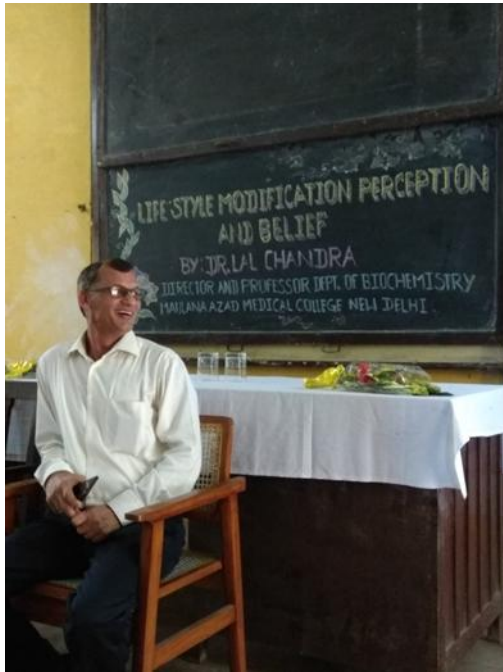
Outcome: Students got awareness on – language learning Opportunities, their culture, interaction with new friends having new ideas intended to motivation.

b. Dr. Lal Chandra delivered a lecture (Director and Professor, Deptt of Biochemistry, Maulana Azad Medical College, New Delhi) on 27.7.17. His talk was based on “Life style modification perception and belief”.

Context: The positive effects of lifestyle intervention programmes might be enhanced when targeted to the health-related behavior of the users. The beliefs and attitudes regarding a healthy life style, influence on lifestyle behavioral change and the needs to support a healthy lifestyle in the local community.

Aim: Promoting healthy lifestyles

Outcome: Life-style modification based on behavior therapy is the most important and effective strategy to manage the healthy life.



Extension activities done by the Department

2013-2014

Lecture given in Demar

a. Lecture delivered on water pollution and its effect on animals

b. Described harm of alcohol drinking and demonstration of vermicomposting in village
Pond Lecture on Nasha Mukti, Baal vivaah

1) पर्यावरण प्रदूषण के दुष्परिणामों के प्रति जागरूकता :- रिकु पटेल (एम.एस.सी. पूर्व) द्वारा व्याख्यान ।

2) ज्वारिमूक के कारण होने वाले प्रदूषण एवं दूषपरिणामों के प्रति जागरूकता :- डॉ. कविता दास (सहाय प्राध्यापक, प्राणीशास्त्र विभाग) द्वारा व्याख्यान ।

3) मद्य के दुष्परिणामों के प्रति जागरूकता :- विष्णु कुमार झा (एम.एस.सी. पूर्व) द्वारा व्याख्यान ।

4) कैचिंग ब्याक बनाने की विधि एवं इसके लाभ :- विष्णु कुमार झा एवं भूपेन्द्र झा (एम.एस.सी. पूर्व) द्वारा व्याख्यान ।

5) सामाजिक सुरक्षा के प्रति जागरूकता :- गोदग्राम :- न्यामपोडा, जिला :- रायपुर (झारखण्ड)

कार्यक्रम स्थल :- झारखण्ड मातृ विद्यालय, कैमर पोडा, जिला :- रायपुर

उपस्थिति :- प्राणीशास्त्र विभाग प्राध्यापक गण

छात्र :- 35 (एम.एस.सी. पूर्व एवं अंतिम)

प्राचार्य :- झारखण्ड मातृ विद्यालय पोडा, ग्राम :- पंचायत के पदाधिकारी

गण :- सरपंच, उपसरपंच एवं पंचगण तथा उपस्थित लगभग 150 ग्रामीण ।

अन्य सामाजिक कार्य :- नशा मुक्ति पर नुकसान नाटक का प्रदर्शन (एम.एस.सी. पूर्व द्वारा)

उल्लेखित विषयों के पोस्टर विद्यालय के प्रधान किया गया ।

3) पोषारीपण फलदायक एवं फल वाले पौधों का किया गया ।

4) सिंचाई तथा स्वच्छता के विभिन्न सामग्री जैसे बातरी, फलदायक का वितरण प्राणी शास्त्र विभाग द्वारा विद्यालय को प्रदान किया गया ।

इस अवसर पर उपस्थित ग्रामीणों ने पर्यावरण प्रदूषण रोकने, नशान करने तथा वृक्षारोपण करने का निश्चय किया ।

तापसी में जंगल पर्यटन स्थल का भ्रमण प्राणीशास्त्र विभाग द्वारा किया गया ।

Date

Page No.

Signature

प्रायोजक :- C.P.E. :- भार्गवाज्जेडन भाषा केंद्र के फार सोशल वर्क

2014-15

Nukadd Natak against “Andh-vishwas” and lectures on different social issues like Nasha Mukti, DahejPratadana, Human Rights amongst the students of Govt. H.S. School of Tirga Village

Context: Field tour serves as an opportunity for exploration, discovery and original experience of animal life.

Aim: To gain the practical knowledge of the aquaculture and vermiculture in the field and aware the villagers to a number of social evils by the students.

Activity: M.Sc. students along with faculty members **Dr. Seema Gupta and Smt. Indu Mandrik** visited a **fish farm at, Tirga,** Dist. Durg on 17/10/2014 to study induced breeding, fish pond & its maintenance, identification of male & female fish and integrated farming, prawn culture and Vermiculture.

They performed Nukkad Natak against “Andh-vishwas” and also delivered lectures on different social issues like Nasha Mukti, Dahej Pratadana, Human Rights amongst the students of Govt. H.S. School of Tirga Village. Students participated in plantation with local school students.

Learning outcome -They learned about fresh water fish culture, Vermiculture, prawn culture and learn how to aware the villagers to various social evils.

Beneficiary- Approximately 46 M.Sc. Students and teaching staff and non-teaching staff