

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>Eicchornia 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>Eicchornia 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 olaracea: 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			Pass %
		Appear	Pass	Fail	
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%