

Annual Report 2018-19

This format outlines the annual reports to be published by all colleges in the Madhya Pradesh on their websites, by October 31st of each year. Part I is intended as a guide and colleges are free to alter the contents and format as they see fit. Part II, the Appendix (Institutional Performance Data and Financial Reports), is mandatory and colleges are required to report all data as per the attached format and instructions.

Important Information –

- Name of the college – **Government Model Science College**
- Place of the college – **Near Rajniwas, Civil Lines, Rewa (M.P.)**
- District - **Rewa**
- Division - **Rewa**
- Year of establishment of college – **1963**
- Name and Contact details(Mail id , Phone) of Principal –
Dr. P.K. Shrivastava
Office:-07662-256965, Mob. :- 9893328379
- Date of report submission- **19/08/2019**

Part I

1. The Principal's Report (2 pages)- Highlights the key activities, events, and successes of the past year and briefly describes major new initiatives to be undertaken over the next year:

Government Model Science College, Rewa (M.P.) established in January 1963, affiliated to A.P.S. University Rewa is a premier institution of central India. It is nodal college of Rewa district and offers 11 courses in UG and 7 courses in PG level. It is also a research center of Ph.D. in Physics, Chemistry, Geology, Botany, Zoology Mathematics and Statistics. Recently, Higher Education Govt. of M.P. has given the status of lead college of the region. It is an ideal institution for subject of science located in the heart of Rewa city is bound to make the needs of Higher Education and research. It has attained great height catering and providing better academic environment. The institution under the leadership of Principal is committed to pursuit of excellence in higher education as well as personality and character development.

The admission in the institution in UG and PG classes is through centralized online admission system strictly as per Higher Education norms. The college publishes prospectus annually in which vision and mission of the college, code of conduct, admission rules, availability of seats and reservation for various categories etc. are clearly mentioned. The college has developed its own website which is user friendly and provides information regarding admission policy, availability of course, academic calendar details about faculty members department wise, fees structure, scholarship etc. to the students seeking admission in the college. Professors of the institution on their personal level encourage school students for admission in the college. They also motivate the students by "College Chalo Abhiyan".

The centralized time table of UG classes is displayed on notice board in which details of classes, library, tutorial etc. is mentioned. The programme of CCE, project and seminars are displayed in the notice board separately. In the PG classes, similar activities are followed by the departments.

The college has a setup of an IQAC which main motive to develop quality culture in the institution, organization of seminars and conferences, and quality related themes as well as development and application of quality bench mark/parameter for various academic and administrative activities. The college is co-educational institution and about 50% girls students in each class. The college has a women cell which take care of girls students and work for their welfare. Various schemes for students such as Gao Ki Beti, Pratibha Kiran, Shyama Prasad Mukharji, Avagaman, NSS, NCC, and Red Cross are working actively.

Lectures are conducted regularly by teacher and dignitaries during the session to sensitize the staff and students on various issues such as gender, environment and water conservation etc.

Institution organizes remedial classes, tutorials, extra classes, zero classes as well as special classes for weaker students to bridge the knowledge gap of enrolled students.

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2. Overview (1 page)

(i) Vision, Mission and Objectives of the college

Vission:

Our vision is to make Govt. Model Science College, Rewa

- A name to reckon with in the academic fraternity,
- By giving a strong impetus, to creating an environment of knowledge application and
- Holistically inspiring students to become eminent leaders of tomorrow,
- With academic excellence, skill and competence in their fields.

Mission – One mission is to serve and transform the society by providing dynamic ethical and value based quality Higher Education and developing activities. Our aim is to provide an education those citizens of nation who can preserve our cultural values and morals.

- To make every student employable through holistic education and development of right skills.

- To emerge as a centre of academic excellence and research.
- To updating the staffs indulges in continuous learning process by attending and delivering lecture in conferences, seminars and workshops time to time.
- To motivate students remaining a constant learner throughout their life.
- To focus on personality development of each student through development of positive attitude, leadership quality and self awareness.

We are prepared to accept new challenges and make our Department a world class educational centre of knowledge

(ii) **Objectives:**

- To make every student employable through holistic education and development of right skills.
- To emerge as a centre of academic excellence and research.
- To update the staffs indulges in continuous learning process by attending and delivering lecture in conferences, seminars and workshops time to time.
- To motivate students remaining a constant learner throughout their life.
- To focus on personality development of each student through development of positive attitude, leadership quality and self awareness.
- To motivate the students to be sincere and responsible citizen of the nation.
- To provide better environment for career and over all development of the students.
- To provide quality education with moral values.

(iii) Brief introduction of the college (including the status (Govt. / Lead/ Constituent/ Affiliated/ Private), Parent University, UGC recognition, CPE status, etc), location & campus area

It is Government and nodal college of Rewa district and affiliated with Awadhesh Pratap Singh University, UGC recognised 12 (f) and 3 (B), offers 11 courses in UG and 7 courses in PG level. It is also a research center of Ph.D. in Physics, Chemistry, Geology, Botany, Zoology, Mathematics and Statistics. Recently, Higher Education Govt. of M.P. has given the status of lead college of the region. It is an ideal institution for subject of science located in the heart of Rewa city is bound to make the needs of Higher Education and research.

Location and Campus area:

Description of Land	Location	Total Area (in Sq. m.)	Purposes
Total Campus Area	South of the Raj Niwas, Civil Lines, Rewa (M.P.)	68796.6	Research, Teaching & Learning

(iv) History of the college with significant milestones

- College has been accredited ‘A’ grade by the NAAC in the 1st cycle upto 05 years from 2016 to 2021.
- Dr. R.N. Tiwari, Professor and Head of the Geology has been awarded Luxman Singh Gaur Award for excellence in teaching and research, a highest state level award by Higher Education Department, Govt. of Madhya Pradesh.
- Dr. R.N. Tiwari has honored by District administration on Republic Day (26 Jan, 2016) for excellence in teaching and research.

(v) Faculties and major disciplines

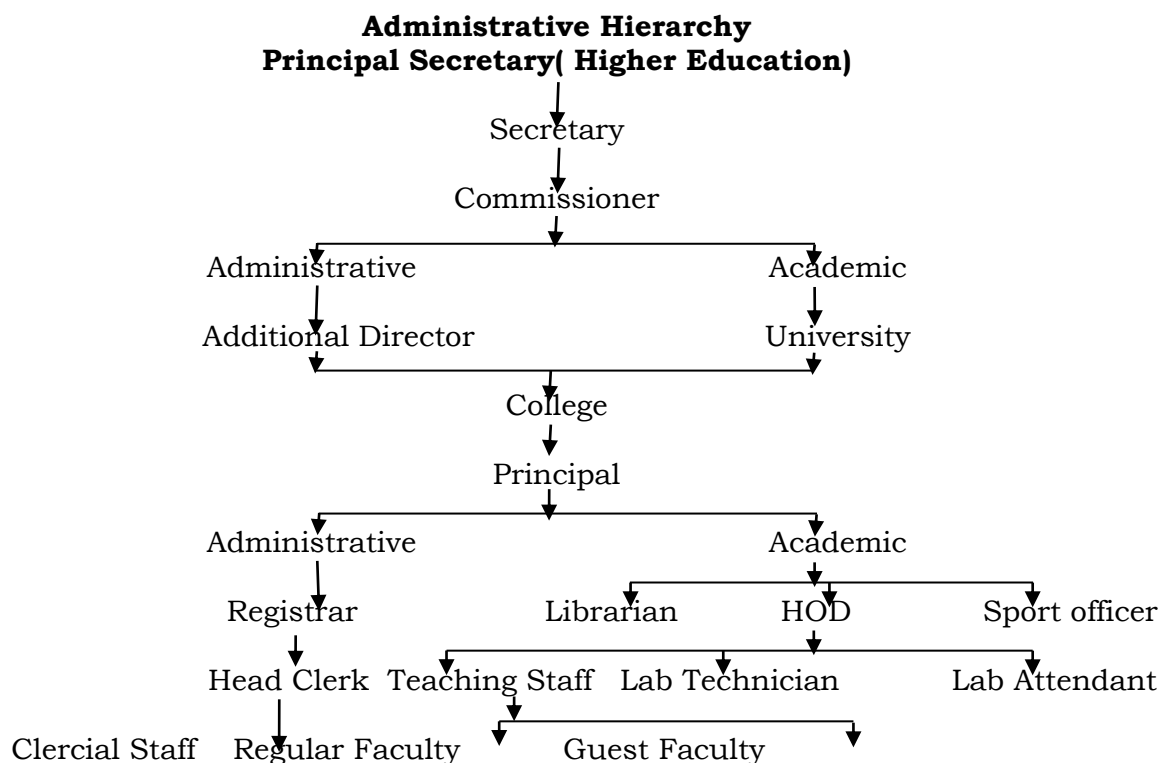
S.N	Name of Faculty	Qualification	Department/Subject
1.	Dr. Sanjeev Dubey	M.Sc., Ph.D.	Botany
2.	Dr. Praveen Singh	M.Sc., Ph.D.	Botany
3.	Dr. Abhilasha Shrivastava	M.Sc., Ph.D.	Botany
4.	Dr. Santosh Agnihotri	M.Sc., Ph.D.	Botany
5.	Dr. Pankaj Shrivastava	M.Sc., Ph.D. & D.Sc.	Physics
6.	Shri H.S. Tiwari	M.Sc.	Physics
7.	Dr. K.L. Jaiswal	M.Sc., Ph.D.	Physics
8.	Dr. Kamlesh Singh	M.Sc., Ph.D.	Physics
9.	Dr. R.N. Tiwari	M.Sc., Ph.D.	Geology
10.	Dr. S.L. Bharti	M.Sc., Ph.D.	Geology
11.	Dr. S.N. Shukla	M.Sc., Ph.D.	Zoology
12.	Dr. Suman Singh	M.Sc., Ph.D.	Zoology
13.	Dr. Arti Saxena	M.Sc., Ph.D.	Zoology
14.	Dr. Umesh Pandey	M.Sc., Ph.D.	Zoology
15.	Dr. Vinita Kashyap	M.Sc., Ph.D.	Zoology
16.	Dr. O.P. Gupta	M.Sc., Ph.D.	Chemistry
17.	Dr. Sanjay Tiwari	M.Sc., Ph.D.	Chemistry
18.	Dr. A.K. Dwivedi	M.Sc., Ph.D.	Chemistry
19.	Dr. Anita Tiwari	M.Sc., Ph.D.	Chemistry
20.	Dr. Rajendra Pandey	M.Sc., Ph.D.	Chemistry
21.	Dr. Sanjay Singh	M.Sc., Ph.D.	Chemistry
22.	Dr. Rashik Bihari	M.Sc., Ph.D.	Chemistry
23.	Dr. Vivek Verma	M.Sc., Ph.D.	Chemistry
24.	Dr. R.K. Tiwari	M.Sc., Ph.D.	Mathematics
25.	Dr. R.K. Dubey	M.Sc., Ph.D.	Mathematics
26.	Dr. Neelam Pandey	M.Sc., Ph.D.	Mathematics
27.	Dr. Neerja Sachan	M.Sc., Ph.D.	Mathematics
28.	Dr. H.N. Gautam	M.Sc., Ph.D.	Statistics
29.	Dr. Bina Sharma	M.Sc., Ph.D.	Statistics
30.	Dr. Abha Verma	M.A., Ph.D.	Economics
31.	Dr. Lata Dwivedi	M.A., Ph.D.	Hindi
32.	Dr. Kesharkali Tiwari	M.A., Ph.D.	Hindi
33.	Dr. Bhartendu Mishra	M.Lib., Ph.D.	Library
34.	Shri S.N. Mishra	M.P.Ed.	Sports

2. Guest Faculty

S.No.	Name of the Guest Faculty	Qualification	Subject
1	Dr. Arti Mishra	M.Sc., Ph.D.	Botany
2	Dr. Hidayatulla Khan	M.Sc., Ph.D.	Botany
3	Dr. Rajendra Pd. Veram	M.Sc., Ph.D.	Botany
4	Dr. Arunendra Ku. Pandey	M.Sc., Ph.D.	Chemistry
5	Dr. Bala Prasad Mishra	M.Sc., Ph.D.	Chemistry
6	Dr. Ambikesh Pandey	M.Sc., Ph.D.	Chemistry
7	Dr. Raghvendra Singh	M.Sc., Ph.D.	Chemistry
8	Dr. Krishn Kumar Shukla	M.Sc., Ph.D.	Chemistry
9	Dr. Priyanka Patel	M.Sc., Ph.D.	Chemistry
10	Dr. Rachna Pandey	M.A., Ph.D.	English
11	Dr. Amit Ku. Singh	M.Sc., Ph.D.	Geology
12	Dr. Umesh Ku. Mishra	M.Sc., Ph.D.	Geology
13	Dr. Om Prakash Sahu	M.Sc., Ph.D.	Geology
14	Shri Pushpendra Ku. Tiwari	M.Sc., M.Phil.	Geology
15	Shri Shailendra Ku. Dwivedi	M.Sc., M.Phil.	Mathematics
16	Dr. Rajiv Ku. Singh	M.Sc., Ph.D.	Military Science
17	Dr. Taresh Pd. Agrawal	M.Sc., Ph.D.	Physics
18	Dr. Shivgopal Singh	M.Sc., Ph.D.	Physics
19	Dr. Umakant Sharma	M.Sc., Ph.D.	Physics
20	Dr. Yash Ku. Singh	M.Sc., Ph.D.	Physics
21	Dr. Dinesh Pd. Patel	M.Sc., Ph.D.	Zoology
22	Dr. Shravan Ku. Pandey	M.Sc., Ph.D.	Mathematics
23	Dr. Preeteshwari Pandey	M.Sc., Ph.D.	Mathematics
24	Smt. Vidushi Mishra	M.Sc.	Mathematics
25	Shri Habib Khan	M.P.Ed.	Sports

3. Senior Management Team and Board of Governors (1 page)

Lists the members of the senior management team (Principal, Registrar, Deans etc.) and members of the Board of Governors including their designations and professional backgrounds.



List of Chairperson/members of Statutory Bodies like Board of Governors/ Executive Committee/ Academic Council/ Janbhagidari Samiti, etc

4. Admission Statistics (1 page)

- The number of applicants at the UG and PG level who ranked the college as their 1st, 2nd and 3rd preference, the number of applications received for PhD courses, and the number of students admitted at each level as per the following format.

Applications	UG	PG	PhD
Applications that ranked the college as the 1 st preference	700	368	
Applications that ranked the college as the 2 nd preference	417	212	
Applications that ranked the college as the 3 rd preference	490	135	
Total number of applications received	1151	415	00
Number of students admitted	810	182	00

Data Source: E-pravesh portal, records of the affiliating university

- A brief demographic profile of students admitted (in terms of gender, caste, whether from MP etc.)

A brief demographic profile of students admitted (in terms of gender, caste, whether from MP etc.)

Name of the Course	Gender	Category	% of students from the State	% of students from other states
B.Sc. & B.CA.	M	Gen	100%	Nil
	F	Gen	100%	Nil
	M	OBC	100%	Nil
	F	OBC	100%	Nil
	M	SC	100%	Nil
	F	SC	100%	Nil
	M	ST	100%	Nil
	F	ST	100%	Nil
M.Sc. & Ph.D.	M	Gen	100%	Nil
	F	Gen	100%	Nil
	M	OBC	100%	Nil
	F	OBC	100%	Nil
	M	SC	100%	Nil
	F	SC	100%	Nil
	M	ST	100%	Nil
	F	ST	100%	Nil

5. Academic Programs: Core Programs – UG & PG

Core programs at UG level

Stream	Name of the Core Program	Eligibility	Optional subjects
Science	Bachelor of Science in 11 subjects' combinations	10+2 from a recognised Board or Equivalent	All subjects are compulsory as CBZ, CBG, CGZ, CBMil., CBBiotech., PCM, PSM, PMG, SMCS, PMCS, BCA

Core programs at PG level

Stream	Name of the Core Program	Eligibility	Optional subjects
Science	Master of Science in 07 subjects as Botany, Chemistry, Geology, Physics, Mathematics, Statistics and Zoology	3 year degree course in relevant faculty/ Honours degree course in same subject	----

M.Phil/PhD Programs

Stream	Name of the Core Program	Eligibility	Optional subjects
Science	Doctor of Philosophy in 07 Departments as Botany, Chemistry, Geology, Physics, Mathematics, Statistics and Zoology	As per norms of Parental University	----

PG Diploma/ Diploma/ Certificate/ Self-financed/ Skill based Vocational/ Short term course

Name of the Course	Department	Duration	Fees	Seats
B.CA.	Physics	3 years	12500/-	60
B.Sc. (SMCs)	Mathematics	3 years	10200/-	36
B.Sc. (PMCs)	Mathematics	3 years	10200/-	36
B.Sc. (Biotech)	Botany	3 years	12202/-	60

6. Academic Calendar 2018-19

Academic work	First/Third/Fifth Semester	Second/Fourth/Sixth Semester
Orientation Classes/Zero Classes/SWOT analysis	Zero classes from 1st July to 15th July every year	NA
Teaching and Continuous Comprehensive Evaluation	Objective/descriptive	Objective/descriptive
CCE Schedule	Nov. each year	Apr. each year
Preparation Leave	01 week	1 week
Practical Exams (Graduate/Post Graduate)	As per University schedule	As per University schedule
Semester and ATKT Exams	As per University exam schedule	As per University exam schedule
Declaration of Examination Results	Result is declared by parental University	Result is declared by parental University
Semester Break (for students)	01 week	01 week
Semester Break (for teachers)	01 week	01 week

7. The Student Experience (4 pages)

Briefly describes student life in the college:

- Infrastructural facilities available to students - Classrooms, Smart classrooms, laboratories and equipment, Common Research Lab, Hostel; Canteen; Garden; Students common room, Auditorium, Sports Complex & other facilities

Infrastructural facilities available to students – Classrooms - 25, Smart Classrooms – 02, Laboratories and equipments– 10, Common Research lab – 07, Canteen – 01, Garden – 02, Students common rooms – 02, Auditorium – 01, Sport complex – 01

- Library as a learning resource- advisory committee, its composition, facilities & services (e & print), annual improvement initiatives

Member of Advisory Committee:

Dr. Suman Singh	– Coordinator
Dr. H.N. Gautam	– Member
Dr. Kesharkali Tiwari	– Member
Dr. Bina Sharma	– Member
Dr. S.L. Bharti	– Member
Dr. R.P. Pandey	– Member
Dr. Bhartendu Mishra	– Member

- The college has a central library having more than 52000 books, 22 Research Journals, 10 Magazines & 10 daily News papers.
- Most of the Departments have their separate Departmental libraries.
- There is a comprehensive collection of subject books, text books and reference books.
- Apart from these books on literature, sports life, histories fiction, novels, encyclopaedia and dictionaries are also available.
- Career counselling cell also has a separate library which helps the students for preparation of competitive exams.

Student support services:

✓ **IT enabled services**

- The college publishes its updated annual prospectus with the following information about the college:
- Rules and Regulation for admission from M.P. Government.
- The Attendance rules.
- Anti-ragging & ragging prevention.
- About semester system.
- Information regarding courses available in the college.
- List of faculty members and non-teaching staff.
- Information on various Welfare Schemes for students provided by the state government, such as Scholarship Scheme, Gawn ki beti Yojna, Pratibha Kiran Yojna, Vikramaditya Yojna, Central Sector Scholarship etc.
- Information regarding infrastructural facility of college.

- Information regarding co-curriculum activities like the NSS, the Vivekanand Career Guidance Cell, Red Cross wing, NCC unit, Red Ribbon unit.
- Total fee structure including that of self financed courses.
- Citizen charter.

The college, prior to the publication of the prospectus, reviews the information given in it through a committee consisting of faculty members.

Technical Equipments in the College:

S.N.	Department Name	Computer make	No. of computer	Configuration
1	Mathematics	HCL	06	Intel Core I-3 Make HCL Infinity series Item code 189.0.5 Window-7
		Computer Notebook HLBs	01	Basic Computer Celeron Ram DDR 2 GB HLBs Tech. P. Ltd.
		Photocopy Ricoh	01	Afico MP2000 L2/2000/L/CE L7126750612 412743DF 2010 ARDF
2.	Com. Science	Vintron	05	Intel Pentium IV 1.5 GHz & 2.4 Ghz 128MB Ram /206B
		COMPAQ	01	Pentium IV 2.6 GHz, 512KB Cache Memory 128MB Ram.
		HCL	03	Intel Pentium IV 530, Processor 3GHz, 1 MB L2 Cache Memory, 256 MB 400MHz DDR2 Ram.
		Projector HCL	01	HCL Infinite Limited, Infocus Projector screen tripod, Glass Beaded 70×70
3.	BCA	HCL	10	Intel Core, CPU, 2GB Ram Monitor
4.	Zoology	HCL	02	Intel Operating System, Core 2.6 Ram 2 GB, Hard Disk 500 MB
		HCL	01	Intel Core i-5 Ram 2 GB, Hard Disk 500 GB
		LCD Projector	01	

		Interactive board	01	
		Photo copier	01	Duplexing machine A3
		Color printer	01	A4
5.	Botany	HCL	01	Intel Core, CPU, 2GB Ram Monitor
		LCD projector	01	
		Visual presenter	02	
		Multimedia projector	01	
		Interactive board	01	
		Printer	01	Samsung
6.	Physics	HCL	04	Desktop Computer Core I3 CPU, 4 GB Ram, 500 GB HDD, 18.5" LED Monitor
		Laptop	01	Intel i3
		LCD projector	03	
		Interactive board	01	
		Photocopier	02	Duplex A3/A4 respectively
		Printer	02	A4
7.	Chemistry	HCL	01	Inter Core 2 duo
		LCD projector	01	
		Audio-visual system	01	
8.	Statistics	HCL	04	Inter i3
		LCD projector	01	
		Interactive board	01	
		Photocopier	01	A3
		Printer	01	A4
9.	Biotechnology	HCL	01	Intel i3
10.	Geology	HCL	01	Intel i3
		LCD	01	
		Printer	01	HP
		Laptop	01	

		Photocopier	01	
11.	Sport	HCL	01	Inter i3
		Printer	01	A4
12.	Library	HCL	08	Intel i3
		Compac	01	P4
		Laptop	01	Inter i3
		Photocopier	01	A3
		Printer	01	A4
13.	Store	HCL	05	Inter i3(2), i5(3)
		LCD TV	01	'32' inch
		Photocopier	02	A3
		Printer laser	03	A4
14.	Remedial Coaching	HCL	01	Intel i3
		Photocopier	01	A3
		LCD projector	01	
15.	Career guidance cell	HCL	01	Intel i3
		Printer	01	A4
16.	IQAC/ RUSA cell	HCL	03	Intel i3
		Photocopier	01	A3

Personal enhancement & development schemes- NCC, NSS, Facilities for physically challenged & slow learners; Tutor-Guardian Scheme, Grievance Redressal Cell, Entrepreneurship Cell, Remedial classes, Career Guidance Cell:

NSS: The College has two units of NSS. The unit holds one annual training camp and carries on various social awareness programmes.

NCC: There are two platoons working in the college for male and female students. The cadets participate in RDC, ATC, NIC and other camps and activities.

YRC: The college has an unit of Youth Red cross Wing. The unit holds annual progress such as First-aid training camps, Health camps, Blood donation camp, environment awareness, Sweep plan, Voter awareness and disaster management camps.

Sports: College has badminton court, Table-tennis hall, Gymnasium and a sport room where other indoor games like Carom, Chess etc. are played by the students. College uses its own playground for its outdoor sports like football & hokey and Cricket, for Athletics, basket ball & kho-kho. College has its own playground.

Judo-Karate- Regular judo-karate classes are going on in the college campus. Large numbers of girls are participating in these classes.

From last three year girls of our college have received awards at the State level.

Hygiene- Special lectures on health & hygiene, personal hygiene, and importance of hygiene for Boys & Girls are also organized to give awareness about hygiene for the students regularly.

Public Speaking- There is a “**Cultural Manch**” in the college where programmes on cultural activities, public speaking etc are organized.

Health- Specific health check-up camp is regularly organized by NSS and Red Cross Unit every year. Specific women centric health problems, their causative factor, prevention methods are also discussed through eminent Doctors of the District.

Auditorium- Badminton hall is uses time to time as Auditorium.

The students depot their grievances in the suggestion box placed inside the campus and it is available to all the students. They are also free to share their grievances with class teachers and the Principal also. The concerned cell takes necessary action regarding the issues. The semester cell acts as linkage between the university and students the formalities related to exams and results.

Grievances addressed.

1. Anti-ragging committee is formed.
2. Anti-Eve-teasing squad is formed.
3. Grievance redress Cell is formed.
4. C.M. Help Line is formed.

Various conferences were organized in time to time such as Nasha Mukti Abhiyan, Beti Bachao.

✓ **Extracurricular activities: Calendar of activities (Sports, Youth Festival, cultural and literary events), Achievements, Awards:**

Sports, Youth Festival, Cultural and Litreray events were organized by the college according to Calander provided by Higher Edcation of M.P. Govt. and University.

✓ **Major student welfare initiatives over the year 2018-19**

Major Welfare initiatives in the year 2018-19

Free ship for students: during the session 2018-19:

Name of the scheme	No. of students	Amount
MMVY	757	2971771/-
MMJKY	153	860960/-

Number of students receives financial assistance from state government, central government and other national agencies during the session 2018-19:

Name of the scheme	State	No. of student	Total
1. Post-Metric Scholarship	SC	219	1752000/-
	ST	61	579500/-
	OBC	244	1830000/-
2. Gaon ki Beti Yojna		172	860000/-
3. Vikramaditya Yojna		47	117500/-
4. Pratibha Kiran		03	15000/-

- Extension Activities

Government Model Science College, Rewa has been the centre of research leading to Ph.D. for the last 40 years. At present we have about 65 students registered for Ph.D. under various supervisors in the departments of Physics, Chemistry, Zoology, Botany, Mathematics and Geology. The college has 25 faculty members as registered research supervisors.

The institute have recognized research center/s of the affiliating University or any other agency/ organization?

College is a recognized research center of A.P.S. University, Rewa (M.P.). Professors of Zoology, Geology & Chemistry are the member of RDC.

Recently research committee has organized a workshop on publication of research papers. Committee has recommended organizing conference and seminars regularly for enhancement of

There is a Research committee in the college to monitor and address the issue of research. The committee comprises of following members:

1. Dr. P.K. Shrivastava
2. Dr. O.P. Gupta
3. Dr. R.N. Tiwari
4. Dr. Sanjeev Dubey
5. Dr. S.N. Shukla
6. Dr. R.K. Tiwari
7. Dr. Sanjeev Dubey

8. Student Achievements (5 pages)

Highlights the most significant academic and non-academic achievements of students over the past year. This can include major academic awards and scholarships received student research, and sports and other extracurricular activities. Focusses, in particular, on profiling top achievers and describing how resources provided by the college helped these students succeed.

ACADEMIC

• Merit

S.No.	Name of the award/medal/meritorious scholarship	Name of the recipient	Class	Award/Achievement
1	Principal Medal Award	Nevedita Pandey	B.Sc.	B.Sc. Mathematics group
2	Principal Medal Award	Sarvesh Kumar	B.Sc.	B.Sc. Biology group
3	Principal Medal Award	Shivani Singh	M.Sc.	M.Sc. Mathematics
4	Principal Medal Award	Rajendra Prasad	M.Sc.	M.Sc. Statistics
5	Principal Medal Award	Pooja Singh	M.Sc.	M.Sc. Physics
6	Principal Medal Award	Anjana Pandey	M.Sc.	M.Sc. Chemistry
7	Principal Medal Award	Vinit Gautam	M.Sc.	M.Sc. Zoology
8	Principal Medal Award	Sandhya Gupta	M.Sc.	M.Sc. Botany
9	Principal Medal Award	Deepali Patel	M.Sc.	M.Sc. Geology

• Research scholarship/ award: Nil

S. No	Name of the scholarship award/	Name of the recipient	Class	Area of research
NA	NA	NA	NA	NA

CULTURAL

• Participation

S.no	Name of the event	Distri ct Level	State Level	University	National Level
01	Rangoli	08	02	02	-
02	Quiz	18	-	-	-
03	Group Song	10	-	-	-
04	Mono-acting	02	-	-	-
05	Debate	03	-	-	-

• Awards and Achievements

S.No.	Name Of Activity	Name Of Participants	Class	Result
1	Questionnaire and Debate	Sarvesh Singh Parihar	B.Sc. V Sem.	Questionnaire – Second, Debate – First
2	Poster Presentation	Raj Pratap Singh	B.Sc. II Year	Second
3	Collage	Pragati Tiwari	B.Sc. II Year	First
4	Rangoli	Akriti Singh	B.Sc. V Sem.	First
5	Solo Song	Sheerin Tiwari	B.Sc. V Sem.	First
6	Modern Singing	Nainsi Soni Namrta Singh	B.Sc. II Year M.Sc. I Sem.	First Third
7	Debate	Shailvi Mishra	B.Sc. II Year	First
8	Speech	Alok Tiwari Saurabh Tripathi Arpit Tiwari	B.Sc. I Year B.Sc. I Year B.Sc. I Year	Second Third Third
9	Poster Presentation	Divya Dwivedi	B.Sc. II Year	Third
10	Poster Presentation	Suchita Namdeo Depti Soni	B.Sc. II Year	Second
11	Rangoli	Saumya Rai Rubi Patel	B.Sc. V Sem. B.Sc. II Year	Second Third
12	Questionnaire	Anjali Sharma Jyoti Agnihotri Sachin Vishwakarma Adarsh Mishra	B.Sc. V Sem. B.Sc. V Sem. B.Sc. I Year B.Sc. I Year	First First Third Third

13	Clay Malling	Atul Tripathi Akriti Singh Alka Singh	B.Sc. II Year B.Sc. V Sem. B.Sc. V Sem.	First Third Second
14	Debate	Diksha Pandey Anoop Tiwari Anoop Tiwari	B.Sc. II Year B.Sc. V Sem. B.Sc. V Sem.	Second Third Third

SPORTS

S.No.	Name vidha	District		Division		State		Organized					
		M	F	M	F	M	F	District		Division		State	
								M	F	M	F	M	F
1	Table Tennis	05	05	03	02	01	--	--	--	Y	--	--	--
2	Chess	06	05	02	01	01	--	--	--	--	--	--	--
3	Badin- ton	05	05	--	03	--	02	--	Y	--	--	--	--
4	Yoga	03	--	--	--	--	--	--	--	Y	Y	--	--
5	Kabaddi	12	12	01	02	--	02	--	--	--	--	--	--
6	Bolly- Ball	12	--	--	--	--	--	--	--	--	--	--	--
7	football	05	11	--	03	--	03	--	Y	--	Y	--	--
8	Athletics	--	--	12	10	01	--	--	--	--	--	--	--
9	Basket ball	02	05	01	02	01	--	--	--	--	--	--	--
10	Kho-kho	12	12	01	06	01	03	--	Y	--	--	--	--
11.	Cricket	15	06	01	04	--	--	--	Y	--	--	--	--

• Awards and Achievements

Name of the student	Class	Sport	Award/Achievement
Kartikeswar Agnihotri	B.Sc. I Year	Athletics	State/All India University
Vishwendra Prakash Soni	B.Sc. II Year	Basketball	State/ Zonal Inter University
Ritik Shrivastava	B.Sc. I Year	Chess	State/ Zonal Inter University
Sachin Gupta	M.Sc. Final	Table Tennis	State
Sriniwas Sahu	B.Sc. II Year	Kho-kho	State
Akanksha Sahu	B.Sc. II Year	Football	State/ Inter University
Amrita Singh	B.Sc. II Year	Kho-kho	State
Radha Singh	M.Sc. Previous	Kho-kho	State
Nidhi Nantwa Pandey	B.Sc. III Year	Kho-kho	State
Ragini Singh	B.Sc. II Year	Badminton	State/Inter University
Sneha Singh Baghel	B.Sc. III Year	Football	State/Inter University
Priyanka Tiwari	B.Sc. III Year	Badminton	State
Komal Mishra	B.Sc. II Year	Kabaddi	State
Ankita Singh	B.Sc. II Year	Kabaddi	State
Amisha Singh	B.Sc. II Year	Football	State/Inter University

9. Research Activities (4 pages)

Identifies major research themes, places these themes in their social and economic context, highlights major research achievements (publications, collaborations, intellectual property produced, external funding received etc.), and profiles top researchers. Lays out the research agenda and identifies themes for the coming year.

Major research themes

S.No.	Department	Prioritized research area and expertise
1.	Physics	1. Cosmic rays
		2. Solar and Geomagnetism
2.	Mathematics	1. Fixed points
		2. Cosmology
3.	Botany	1. Plant Physiology
		2. Medicinal Botany
		3. Environmental Biology
4.	Zoology	1. Entomology
		2. Ichthyology
		3. Limnology
5.	Geology	1. Hydrogeology
		2. Sedimentology
		3. Geomorphology
6.	Chemistry	1. Chemical Kinetics

Minor/Major research projects

Nature of the project	Duration year from to	Title of the project	Nature of the funding agency	Total grant	Total grant received till date
				Sanctioned	Received
Minor	2016-2018	Assessment & Management of Ground Water Resource of Rewa Region	MPCOST	4,88,000/-	4,88,000/-

Papers presented in regional, national and international seminars/conferences

S.No.	Name of faculty	Regional/State	National	International
1	Dr. R. P. Mishra	02	02	01
2	Dr. Sanjeev Dubey	---	02	---
3	Dr. Abhilasha Shrivastava	---	02	---
4	Dr. Pankaj Shrivastava	01	03	01
5	Dr. R.N. Tiwari	---	05	---
6	Dr. S.L. Bharti	---	01	---
7	Dr. S.N. Shukla	02	01	---
8	Dr. Arti Saxena	---	02	---
9	Dr. Vinita Kashyap	---	01	---
10	Dr. O.P. Gupta	---	02	---
11	Dr. Sanjay Tiwari	---	01	---
12	Dr. A.K. Dwivedi	---	01	---
13	Dr. Anita Tiwari	---	02	---
14	Dr. Rajendra Pandey	---	02	---
15	Dr. Sanjay Singh	---	01	---
16	Dr. Rashik Bihari	---	01	---
17	Dr. R.K. Tiwari	01	01	01
18	Dr. Neelam Pandey	---	01	---
19	Dr. Neerja Sachan	---	02	---
20	Dr. H.N. Gautam	---	01	---
21	Dr. Bina Sharma	---	02	---
22	Dr. Lata Dwivedi	---	01	---
23	Dr. Kesharkali Tiwari	---	01	---

Publications in National/International journals:

S.No.	Name Of the Faculty	Regional/State	National	International
1.	Dr. R.P. Mishra	01	---	---
1.	Dr. P.K. Shrivastava	06	12	05
2.	Dr. K.L. Jaiswal	05	05	03
3.	Dr. O.P. Gupta	03	04	03
4.	Dr. Sanjay Tiwari	01	02	01
5.	Dr. Rasik Bihari	01	---	01
6.	Dr. D.P. Shukla	09	09	10
7.	Dr. Rishi Tiwari	09	05	13
8.	Dr. Sanjeev Dubey	01	02	02
9.	Dr. Abhilasha Shrivastava	04	01	02
10.	Dr. A.P. Singh	01	02	01
11.	Dr. Santosh Agnihotri	03	02	03
12.	Dr. S.N. Shukla	09	04	04
13.	Dr. Suman Singh	02	05	02
14.	Dr. Arti Saxena	05	14	03
15.	Dr. Umesh Pandey	02	02	01
16.	Dr. R.N. Tiwari	09	20	05
17.	Dr. H.S. Tiwari	02	---	01
18.	Dr. Lata Dwivedi	02	01	04
19.	Dr. Bhartendu Mishra	01	01	01
20.	Dr. Anita Tiwari	01	02	---
21.	Dr. Neerja Sachan	01	---	---
22.	Dr. Praveen Singh	04	01	---
23.	Dr. Vinita Rani Kasyap	05	05	---
24.	Dr. S.L. Bharti	03	---	---
25.	Dr. Bina Sharma	01	02	---
26.	Dr. A.K. Dwivedi	---	---	---
27.	Dr. R.P. Panday	---	---	---
28.	Dr. H.N. Gautam	02	01	01
29.				

List of linkage/collaborations/MOUS: **Nil**

College Publication: Research Journal, Magazine, Newsletter:
PARAKH

10. Human Resource:

1. Number of teaching and non-teaching positions in the institution.

Positions	Teaching faculty			Non-teaching staff	Technical staff
	Professor	Associate Professor	Assistant Professor		
Sanctioned by the UGC/University/ State Government Recruited	14	---	44	77	---
Filled	22	05	06	58	---
Sanctioned by the Management/ Janbhagidari Samiti/ other authority Recruited	---	---	---	12	---
Filled	---	---	---	12	---

2. Guest Faculty

S.No.	Name of the Guest Faculty	Qualification	Subject
1	Dr. Arti Mishra	M.Sc., Ph.D.	Botany
2	Dr. Hidayatulla Khan	M.Sc., Ph.D.	Botany
3	Dr. Rajendra Pd. Verma	M.Sc., Ph.D.	Botany
4	Dr. Arunendra Ku. Pandey	M.Sc., Ph.D.	Chemistry
5	Dr. Bala Prasad Mishra	M.Sc., Ph.D.	Chemistry
6	Dr. Ambikesh Pandey	M.Sc., Ph.D.	Chemistry
7	Dr. Raghvendra Singh	M.Sc., Ph.D.	Chemistry
8	Dr. Krishn Kumar Shukla	M.Sc., Ph.D.	Chemistry
9	Dr. Priyanka Patel	M.Sc., Ph.D.	Chemistry
10	Dr. Rachna Pandey	M.A., Ph.D.	English
11	Dr. Amit Ku. Singh	M.Sc., Ph.D.	Geology
12	Dr. Umesh Ku. Mishra	M.Sc., Ph.D.	Geology
13	Dr. Om Prakash Sahu	M.Sc., Ph.D.	Geology
14	Shri Pushpendra Ku. Tiwari	M.Sc., M.Phil.	Geology
15	Shri Shailendra Ku. Dwivedi	M.Sc., M.Phil.	Mathematics
16	Dr. Rajiv Ku. Singh	M.Sc., Ph.D.	Military Science
17	Dr. Taresh Pd. Agrawal	M.Sc., Ph.D.	Physics
18	Dr. Shivgopal Singh	M.Sc., Ph.D.	Physics
19	Dr. Umakant Sharma	M.Sc., Ph.D.	Physics
20	Dr. Yash Ku. Singh	M.Sc., Ph.D.	Physics
21	Dr. Dinesh Pd. Patel	M.Sc., Ph.D.	Zoology
22	Dr. Shravan Ku. Pandey	M.Sc., Ph.D.	Mathematics
23	Dr. Preeteshwari Pandey	M.Sc., Ph.D.	Mathematics
24	Smt. Vidushi Mishra	M.Sc.	Mathematics
25	Shri Habib Khan	M.P.Ed.	Sports

3. Annual improvement in academic, research & administration initiatives

<p>Academics: -1. Tests at regular interval 2. Purchasing of new books/reference books 3. Zero class, tutorial introduced in time table</p> <p>Research: - 1. Organization of National/International seminars 2. Students seminar 3. Publication of Journals</p> <p>Administration: - 1. Introduce dress code of students 2. Regular monitoring of each student 3. Adopted cashless system</p>
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Events and Initiatives

S.No.	Name of Department	Topic	Date
1.	Physics	1. Cosmic ray modulation in inner Heliosphere	
2.	Zoology	1. Research Seminar in Zoology Dept.	
3.	Geology	1. National seminar on Watershed management for sustainable development. 2. National Conference on Recent advancement in mineral & water resources. 3. National workshop on Science & Environment. 4. International Conference on Natural Resources, Environment & Health (ICNRH-17)	
4.	Mathematics		
5.	Study Tours	Study tours have been organised regularly by the Zoology, Geology and Botany departments	

12. Institutional Development Plan (4 pages)

Describe the college's activities over the past year under different schemes, discusses performance against strategic/institutional development plans and commitments over the previous year.

Indicator	Baseline value	Target for current year	values as on 30 th September
Student enrolment	2017-18	Increase by 10% of the last year	Increased 8%
Employment	2017-18	100%	14%
Hostel facility	2017-18	1000 students	Nil
Infrastructure	2017-18	Construction of 05 extra classrooms	Nil
Computer lab	2017-18	Computer 1:10	1:40
Library facility	2017-18	Purchase of reference books in research library 1:5	1:2
	2017-18	research facilities 60 journals	10
	2017-18	research lab	Nil
	2017-18	text books 1:5	1:2
	2017-18	reading books with capacity of 2000 students	Nil
	2017-18	computerized library (with Inflibnet 'N' list facility) with 60 computers	computerized library (with inflibnet 'N' list facility) 10 computer
	2017-18	separate library building	Nil
	2017-18	separate well equipped labs. for science students - 08	Nil
Student support	2017-18	canteen 01	Nil
Student support	2017-18	girl's common room - 1	01
	2017-18	toilet block for girls and boys	01
	2017-18	staff room	Nil
	2017-18	staff quarters	Nil
Sports infrastructure	2017-18	Sports equipments	1:50

Role of Internal Assurance Quality Cell (IQAC) in Academic Audit and initiatives in quality assurance strategies and process

The college has a setup of an IQAC which main motive to develop quality culture in the institution, organization of seminars and conferences, and quality related themes as well as development and application of quality bench mark/parameter for various academic and administrative activities.

Regular academic audit done by the IQAC provides the direction for improvement of the teaching learning process.

It prepares the schedule for conduction of the various academic and co-curricular activities according to the academic calendar. IQAC prepare various policies to improve teaching and learning process and it assures their implementation also. Parents and students feedback response arrangements are done. IQAC manages to conduct regular feedback from students.

Institution has integrated framework for quality assurance of the academic & administrative activities –

- Academic quality assurance framework –
- Guest lectures
- Lectures of talented students
- Adoption of innovative teaching network
- Smart classes.
- Administrative quality assurance
- Periodical meeting with faculty incharge, convener of different committees & staff members.
- Feedback from students.
- Implementation of dress code.

13. Placement Report (3 page)

Activities of placement cell and details

S.No.	Name of the activity	Name of the resource person/agency	date and duration
1.	Short-term Training Programme	Deen Dayal Sanrachana, Tilak Nagar Rewa (M.P.)	11.02.2019
2.	Short-term Training Programme	Deen Dayal Sanrachana, Tilak Nagar Rewa (M.P.)	28.08.2018
3.	Agricultural Based Industry	MAPCOST (M.P.)	24.03.2019

Placement details:

S.No.	No. of students placed	Employer/Company	Salary package
1.	106	Reliable First	2.98L
2.	94	Bajaj Allianze	3.10L
3.	80	Shiv Shakti Biotechnology, Jabalpur	2.62L
4.	143	Sampoorn Solution, Jabalpur	2.85L
5.	77	SBI Life Insurance, Rewa	2.50L

Alumni Profile:

S.No.	Name of Alumini	Employment Status	Name of the Organization
1	Prof. R.K. Singh	Professor	G.D.C., Rewa (M.P.)
2	Neelmani Agnihotri	Dy. Collector	GAD
3	Dr. Santosh Agnihotri	Professor	Govt. Model Science College, Rewa
4	Dr. Santosh Mishra	Commissioner	GAD
5	Prof. R. P. Tiwari	Vice Chancellor	Dr. H.S. Gaur University Sagar
6	Dr. V. P. Mishra	Retd. Dy Director General	Geological Survey of India

14. Innovations and Best Practices

Innovations introduced during the last four years are as below:

- Development of Botanical Garden.
- Blood donation camp.
- Sweep plan (Voter Awareness programme).
- Dress Code and Id card for students as well as staff members of the institution.
- Career development.
- Pratibha Kiran Yojna, Avagaman Yojna, Dr. Shyama Prasad Mukharji Yojna, Gao ki Beti Yojna, Vikramaditya Yojna etc.
- Celebration of various festivals such as Environment day, Earth Day, Van-Mahotsav, Yuva Utsav, Teachers' day.
- Students organize fair well and welcome party in the ending of semester and starting of the semester respectively.
- Geology department has started D.P. Dubey Gold medal for topper of M.Sc. students.

Best Practices

- Vivekanand Career Cell is actively engaged in last four years to increase the percentage of jobs to the students.
- Faculty members in the chairmanship of Principal guide to the students and their parents at the time of UG/PG admission regularly.
- Job opportunities of subject combination/subject. Due to this students choose appropriate subject as per their interests.
- Vivekanand Career Cell organizes workshops/lectures series by inviting the experts who delivers lecture and motivate the students to opt career as per requirements.
- At the end of semester, institution organizes career fair at district level students of different colleges get benefit by the activity.

- Near about 900 students have been selected in different organization in last four years. It is higher in the division level in comparison to any college.
- Professor of Geology Department is also guiding to M.Sc. students from last four years. They provide books, model papers and also organizes mock test. Due to this 80% of the students have got the job in government and private organizations such as MPPSC, Rajiv Gandhi Watershed, Khanna Association Limited, Deep Industries etc.
- Department of Geology under the headship of Prof. R.N. Tiwari has also started D.D. Dubey Gold Medal (Retd. Senior Professor of Geology) for topper in M.Sc. Students and excelled in research & teaching schemes of the year 2014-15 Sushmita Pandey has got the D.P. Dubey Gold Medal. Dr. R.N. Tiwari has awarded D.P. Dubey Gold Medal for excellence in teaching & research.
- Department also organized Alumni meet (Geology) which is very important to students. It may be very helpful for the placement of students. Dr. V.P. Mishra, Dy. Director General Geology, 1st batch has participated in the Alumni meet other senior faculty members has appreciated the conference.

15. Strength, Weakness, Opportunities and Challenges (SWOC)

Analysis

Strength: -

- It is lead, premier and nodal college of the district Rewa.
- Staff members are highly qualified and research oriented.
- Teachers are recognized Ph.D. guide of the A.P.S. University, Rewa (M.P.)
- Research is very significant point of the college. More than 65 students have got Ph. D. in different subjects in the last four years.
- LCD Projectors, smart classroom, Wi-fi, and other ICT facilities are available.

- Beautiful Botanical garden with a rich diversity of medicinal plants as well as ornamental plants.
- National seminars/conferences are organized in a particular interval of time.
- Total publication per year is higher than other institution.
- NCC – 02, NSS-02, Red Cross and Red Ribbon activities are organized regularly.
- Excellent museum of Zoology, Geology and Botany department having a diverse variety of specimens.
- Reference books/research books are published by the professors and teaching faculties.
- Placement and skill development cell provide opportunities for students to secure a bright career.
- Very good results of UG and PG classes.
- Professors are the member of the editorial team of various national journals and international journals.
- Various modern teaching methodologies are used in the UG and PG classes by the professors. Professors are members of various committees.
- Center of Pre Ph.D. courses on various subjects.
- Very good library.
- Very good outdoor playground.
- Very nice subject combinations – CB Mil, SMECo, PSM, CGZ, CBG, PMG etc.
- We have organized Pre. Ph.D. course work in Botany, Geology and Zoology Departments.
- About 1000 students have got placement in Govt. & Private sectors during the last four years.
- 80% students of Geology department have got employment (PSC, Rajiv Gandhi Watershed, Central Drilling Nagpur etc.).
- Yoga Camps are organized regularly.
- Indoor/Outdoor games are organized regularly.
- A very good teaching environment and pollution free zone.

Weakness:-

- About fifty percent posts are vacant.
- Lack of funds for research activities.
- Lack of time for research work.
- Availability of recent books and research journals.

- Lack of conference halls, seminar auditorium, well equipped automated office.
- Lack of interdisciplinary research activities.

Opportunity: -

- There is huge scope for the development (infrastructure and equipments).
- Huge scope for starting job oriented courses in the present context.
- Develop research culture in all departments.
- Career development.
- Huge scope of employment.

Challenges: -

- High teacher student ratio.
- Communication skills.
- Placement of maximum UG & PG students.
- Course which can fulfil the demand of society.
- To increase the percentage of our students.
- To maintain tradition and culture of college.
- To maintain the competitive environment.
- To provide employment to maximum students.
- To collaborate for research with University and research in National laboratories to improve research facilities.

16. Looking Ahead (3 pages)

Layout out the college's priorities and goals over the coming year.

Describes

S.No.	Description of Building (s)	Location	Proposed Area (Sq. m.)	Total Area (Sq. m)	Purpose	Justification
1.	Multipurpose Hall	Govt. Model Science College, Rewa (M.P.)	1440	40468.6	Teaching & Learning	Required for teaching and learning

Key initiatives planned what each initiative is expected to achieve and how it will contribute to the college's long term development

S.N.	Head (Administrative/ Academic, etc)	Nature of Proposal	Expected Outcome
1	Academic	Seminar & Conference	100%
2	Academic	Publication of Journal (PARAKH)	100%
3	Academic	Pre. Ph.D. Coursework	100%
4	Administration	Administrative officer	100%

Proposed Outcomes –

- In terms of Better Employability (Output in terms of Inter disciplinary and cross disciplinary learning).
- Quality gains (Output in terms of Governance, Faculty (ratio), Academic reforms, Autonomy).
- Better research yields (Output in terms of, Publications, PhDs, M. Phil.) Investment.
- Output in terms of Access, Excellence and Equity.

17. Appendix: Institutional Performance Data and Financial Reports:

Financial Reports

A. Total Income		
Sl No.	Category/Head	FY 2018/2019
		(budgeted) Amount in Hundred thousands
Grants: National		
1	UGC	00
2	Distance Education Council	00
3	Other Central Govt. Departments	00
Other Grants		
4	Grants received from state government	335137094
5	Grants received from local bodies	575000
6	Donation	00
7	Tuition fees	294588
8	Other fees	10575897
9	Interests	343665
10	Sale of Application forms	268100
11	Other Income	48682658

B. Total Expenditure		
Sl. No.	Category/Head	FY 2016/2017 (budgeted)
1	Salary, Allowance and Retirement benefits	335137094
2	Buildings (Construction and Maintenance)	00
3	Library and Laboratory	113596
4	Scholarships	12265845
5	Grants to College	00
6	R &D	00
7	Sports	00
8	Other Expenses	35625307
9	Accounts (Audit) Status, whether audited? (Yes/No) If yes, by Local Fund/ CA	Yes, by Local authorized CA and Audit Team AGMP Gwalior

CA Audit Report 2018-19: **Attached**