



Government Model Science College Gwalior (MP)

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Government Science College, Gwalior (MP)

Annual Report 2016-17

PART-I

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 Science College, Gwalior**
- Place of the college: **Gwalior**
- District: **Gwalior**
- Division: **Gwalior**
- Year of establishment of college: **1961**
- Name and Contact details(Mail id , Phone) of Principal:
Dr B P S Jadon (email: hegascgwa@mp.gov.in, Mobile: 9425121177)
- Name , Post and Contact details of (mail id, Phone no.) of Reporting In charge:
 1. **Dr Rakesh Shrivastava, Professor - Geology (email: rakesh_geol@yahoo.co.in, Mobile: 9827334149)**
 2. **Dr D Kumar, Professor - Chemistry (email: drdkumar65@gmail.com, Mobile: 9425790814)**
- Date of report submission: **02.07.2017**

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.

Highlights of the key activities and events during past years:

1. College has recognised research centre in Physics, Chemistry, Mathematics, Botany, Zoology and Military Science Departments. Research activities have increased in these departments in terms increased number of research scholars.
2. College has been has been accredited with grade 'B' in second cycle of accreditation on February 2015.
3. College has been selected for financial assistance under the scheme of Rashtriya Uchcharat Shiksha Abhiyan (RUSA), Component-7 (Infrastructure grant to colleges).
4. This is the only college of Gwalior-Chambal region that offers under graduate study in Geology and post graduate study in Industrial Chemistry.

5. National Seminar on Biodiversity (Department of Botany), Workshop on Recent trends in Computational methods (Department of Chemistry), Workshop on Geological field work and workshop on Gemology (Department of Geology) were organised for improvement of the professional skill of the students.
6. Research and Development Cell is active in the college. 'Madhya Bharat Journal of Pure and Applied Sciences' is being published by the college.
7. Under self financing scheme MSc in Industrial chemistry with specialization in pharmaceutical is available. All passed out Post Graduate students are employed.
8. Under graduate students of Geology were motivated to undertake water sampling in and around Gwalior city and its analysis for drinking quality purpose.
9. Career guidance cell, personality development cell are continuously active.
10. Two NCC Army units, two NCC Naval units and one NSS Unit are actively working in college.
11. Internal computerised examination cell exists in college.
12. College has fully utilised the grants from University Grants Commission under Eleventh and Twelfth plan schemes. Grant received under RUSA has also been utilised.
13. College is committed to provide higher education particularly to SC, ST and OBC students from nearby areas.
14. Internal Quality Assurance Cell monitors the activities related with quality of higher education at college level.
15. A small set up of Vermicomposting was established in college campus under the guidance of self financing Centre of Biotechnology.
16. Two research scholars registered under Department of Botany and Military Science each were awarded PhD.
17. NSS students organised an awareness campaign in villages and nearby places for cashless transaction. About 200 plantations were made and six students participated in State level NSS camp.
18. Construction of Gymnasium hall was completed and its release to public function (लोकार्पण) was successfully held.
19. Ambitious scheme of the Government, the Smart Phone distribution at district level was implemented successfully in two phases

New initiatives to be undertaken over the next year:

1. College has initiated the proposal of upgrading the colleges into "College of Excellence". The proposal incorporates consultancy services and short term courses like petrol testing, gem testing, ground water sample testing etc. The proposal has been submitted to the Government.
2. Self financing centre of Biotechnology plans to start Mushroom cultivating Training programme for students
3. Department of Botany has set target to increase number of Research scholars.

4. Department of Geology has planned to organise workshop on Water Quality Analysis.
5. Department of English has submitted the proposal for establishment of Language laboratory.
6. Self financing Centre of Microbiology has taken initiative to develop a research laboratory in the field of microbiology.
7. Self financing centre of Industrial Chemistry plans to start new specialization of paint technology of fine chemicals. Research activity will be strengthened.
8. Research centre of Military Science Department will be strengthened.
9. NSS Unit has set target of plantation in large area of college campus. Number of students for C-grade certification will be increased. More students will be motivated and trained for National and State level camp activity.
10. Sports department has submitted proposal of making newly constructed Gymnasium hall fully equipped with latest sports equipments.
11. All departments will initiate drive to make 100% attendance of students in class.
12. Under NCC training programme, short firing range is proposed to be established in the institution. This will be a good facility to NCC cadets.

2. Overview (1 page)

(i) Vision, Mission and Objectives of the college:

Vision: Government Science College, Gwalior is committed to become a premier institute in the field basic science by offering innovative and skill enhancement programmes. The institute's endeavours are directed towards establishing a world class institute in the field of basic science where faculty and staff are trained to provide quality learning and education. The college incorporates best of the academic practices and infrastructure to provide enhanced value addition and lifelong learning opportunities to its students so as to make them contribute proactively to the development of their family, society and nation.

Mission: Though Government Science College is located in Gwalior city, but majority of the students belong to SC, ST and OBC category from nearby rural areas. Our mission is to increase enrolment of these under privileged students and bring them to the mainstream of the technological and socio-economic development of the country. Our mission is to provide quality higher education in basic science subjects.

Objectives:

- To create better academic atmosphere for faculties and students.
- To achieve excellence in terms of quality of teaching and learning.
- To equip the institution with latest technology and complete infrastructure.
- Continuous evaluation of students and improvement of methodology and pedagogy, accordingly

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

- (i) Government Lead College
- (ii) Affiliated to Jiwaji University, Gwalior
- (iii) Location - Urban
- (iv) Area of College campus - 144000 Sq. Mts.
- (v) Area of building - 1440 Sq. Mts.

(iii) History of the college with significant milestones:

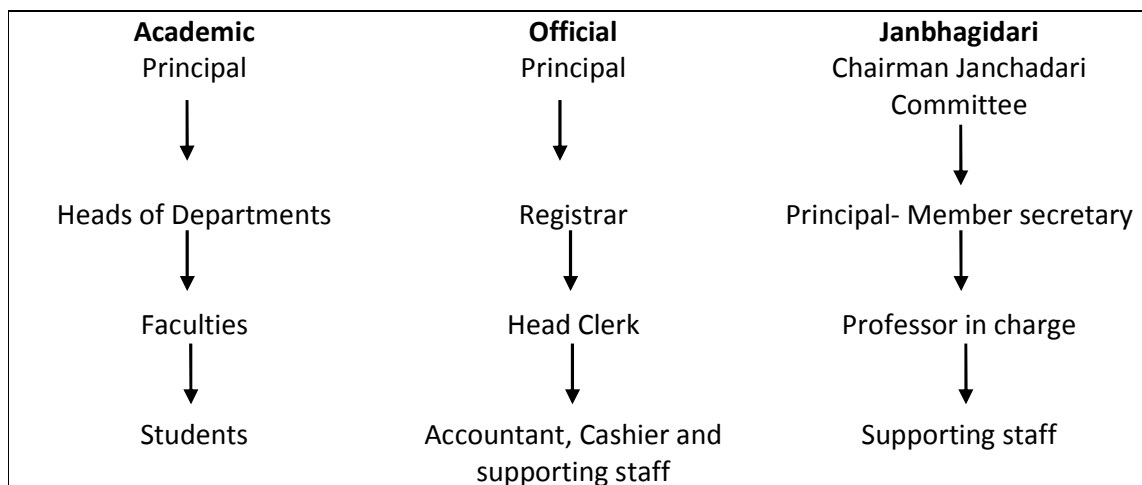
The Government Science College Gwalior was established in July, 1961. It is a premier institute of science teaching and research. The college has a long glorious history. The college was awarded B++ grade by NAAC in 2004. Prior to its formal establishment in 1961, it was known as Victoria College, which bifurcated into two centers of education— a Science college, and an Arts and Commerce College. The Science College, situated in an urban locale, spreads over an area of thirty two acres. This campus endows with a place of pride among renowned institutes. It is a government funded institution. Taking cognizance of the institute's great strides in the sphere of education, the Government of M.P. conferred on it the status of a Model College, in the year 1985. The college has grown into a multi-faceted institute of science teaching and research. The college had the status of an autonomous college for a long period. Autonomy was conferred on the institute on 2nd February 1988 but it was withdrawn in the year 2002. The college is affiliated to Jiwaji University, Gwalior, Madhya Pradesh and it is recognized by UGC under 2f and 12B during 1961. It is offering instructions in 18 UG and 10 PG programs in different science disciplines. Post graduate programmes are available in Physics, Chemistry, Mathematics, Zoology, Botany, Computer Science, Military Science, Microbiology, Biotechnology and Industrial Chemistry. The college is an approved research center of Jiwaji University and has adequate infrastructure for running Ph.D. level programmes in six subjects namely, Mathematics, Physics, Chemistry, Military Science, Zoology and Botany. This college is the only college which has Geology subject at graduation level.

(iv) Faculties and major disciplines:

This College is Science (Single faculty) college with Physics, Chemistry, Botany, Zoology, Geology and Military Science subjects.

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

The Government Science College, Gwalior belongs to non autonomous category administrative hierarchy is as follows:



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

(i) Principal: Dr. B P S Jadon

(ii) Chair person of Janbhagidari Committee: Shri Mahip Tejaswi (Nominated by the District collector)

(iii) Heads of the Departments:

Physics: Dr Nagendra Chaturvedi

Chemistry: Dr S N Dixit

Mathematics: Dr R K Shrivastava

Botany: Dr Hariom Sharma

Zoology: Dr R B Gupta

Geology: Dr Rakesh Shrivastava

Military Science: Dr Rajendra Kumar vaidya

Hindi: Dr Smt Vatsala Desai

English: Dr Smt Shobhita Upadhray

Librarian: Dr Smt Pragya Pradhan

Sports Officer: Shri Ram Gopal Arya

(iv) Administration and Office –

Administrative head: Principal

Head Clerk and in-charge of establishment: Shri Prahlad Sharma

Accountant: Shri Y N Tiwari

Cashier: Shri Pooran Singh

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 (2016-17)	UG	PG	PhD
Applications that ranked the college as the 1 st preference	*	*	
Applications that ranked the college as the 2 nd preference	*	*	
Applications that ranked the college as the 3 rd preference	*	*	
Total number of applications received	1529	186	
Number of students admitted	1529	186	

Data Source: E-pravesh portal, records of the affiliating university * Data not available

- 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
	Male/Female	SC/ST/OBC		
B.Sc.	2780/363	758/40/1154	96%	4%
P.G. courses	168/115	91/4/77	96%	4%

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 (BSc) with Biology and Mathematics	10+2 from a recognized Board or 10+2 with relevant vocational course from Board of Madhya Pradesh	Foundation course and combination of three optional subjects*

* Available combinations are:

Biology Group: Botany, Zoology, Chemistry; Botany, Zoology, Geology; Botany, Zoology, Military Science; Chemistry, Industrial Chemistry, Zoology; Chemistry, Industrial Chemistry, Botany; Chemistry, Botany, Microbiology; Chemistry, Zoology, Biotechnology; Chemistry, Botany, Biotechnology;

Maths. Group: Physics, Mathematics, Chemistry; Physics, Mathematics, Geology; Physics, Mathematics, Military Science; Physics, Mathematics, Statistics; Physics, Mathematics, Electronics; Physics, Mathematics, Computer Science; Chemistry, Industrial Chemistry, Mathematics;

Core Options at PG level

Faculty	Name of the Core Program	Eligibility	Subject Options
Science	Master of Science (MSc)	3 year Degree course with subjects of Science faculty / BSc Honours course	Physics, Chemistry, Mathematics, Botany, Zoology, Military Science

M. Phil/Ph.D. Programs

S.no.	Subject	Eligibility	No. of scholars registered
1	Physics	MSc Physics	02
2	Chemistry	MSc Chemistry	16
	Mathematics	MSc Mathematics	23
3	Botany	MSc Botany	08
4	Zoology	MSc Zoology	05
5	Military Science	MSc Military Science	08

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

Name of the Course	Department	Duration	Fees in Rs.		Seats
			Boys	Girls	
BSc Electronics	Physics	3 years	4945.00	4849.00	160
BSc Industrial Chemistry	Chemistry	3 years	*6969.00 #6945.00	*6873.00 #6849.00	120
BSc Computer Science	Mathematics	3 years	6945.00	6849.00	700
BCA	Mathematics	3 years	9945.00	9849.00	150
BSc Microbiology	Botany	3 Years	6969.00	6873.00	30
BSc Biotechnology	Zoology	3 Years	8969.00	8873.00	140
MSc Industrial Chemistry	Chemistry	2 years	19034.00	19034.00	30
MSc Computer Science	Mathematics	2 years	15034.00	15034.00	30
MSc Biotechnology	Zoology	2 Years	19034.00	19034.00	30
PGDCS	Mathematics	1 Year	15034.00	15034.00	60

*Bio group; #Maths. Group

6. Academic Calendar 2016-17:

All Government colleges follow the Academic Calendar declared by the State Government, which is as follows:

Academic Work	First/ Third/ Fifth Semester	Second/ Fourth/ Sixth Semester
Orientation Classes/Zero Classes/SWOT analysis	1 st July to 13 th July, 2016 (10 working days in July 2016)	2 nd January, 2017 (1 working day)
Teaching and Continuous Comprehensive Evaluation	14 th July to 7 th November, 2017 (90 working days)	3 rd January to 25 th April, 2017 (90 working days)
CCE Schedule	Fourth week of September, 2016	Second week of March, 2017
Preparation Leave	8 th to 14 th November, 2016 (7 working days)	26 th and 27 th April, 2017 (2 working days)
Practical Exams (Graduation/Post Graduation)	During 15 th October to 7 th November, 2016	During 25 th March to 25 th April, 2017
Semester and ATKT Exams	15 th November to 21 st December, 2016	28 th April to 26 th May, 2017
Declaration of Examination Results	Upto 31 st December, 2016	Upto 15 th June, 2017
Semester Break (for students)	22 nd to 31 st December, 2016 (10 days)	27 th May to 30 th June, 2017 (35 days)
Semester Break (for teachers)	22 nd to 31 st December, 2016 (10 days)	27 th May to 15 th June, 2017 (20 days)

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:**

Basic facilities like laboratories, class rooms, toilet, play ground, library, reading room, girls common room, safe drinking water etc are available to students to their satisfaction level; however there are complaints about insufficient furniture. Students also demand for complete four sided permanent boundary of the campus. Students express their satisfaction with the arrangements of scholarship distribution, smart phone, and stationery distribution and implantation of other schemes.

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

Books and journals are in sufficient number. On line access is also available to students. Post Graduate students avail the facility of departmental library. Photocopier, reading room and storage facility need to be strengthened. Insufficiency of supporting staff sometimes appears in the form of students' dissatisfaction

- **Student support services:**
 - ✓ **IT enabled services**

College has Wi-Fi facility in each teaching department, library and office. In addition to this computers in LAN with internet facility are available in computer laboratory.

- ✓ **Financial assistance (scholarships/ schemes for SC/ST/OBC/ minority, Group & Health Insurance Schemes)**

There are various schemes of the Government; colleges provide benefit to students under the norms of these schemes. Some of these schemes are:

Gaon ki beti yojna, Vikramaditya Yojna, Pratibha Kiran Yojna, Scholarship to SC and ST students, PhD scholarship, Free books and stationery to SC, ST students, Free transport to girls etc.

- ✓ **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.**

College has two Army units and two Naval units of NCC. One unit of NSS also exists in college. Vivekanand Career Guidance cell continuously guides students for career opportunities and entrepreneurship development. Regular career fairs are also organized. Personality development cell organizes regular activities. Grievance redressal cell women empowerment cell, anti ragging committee and sexual harassment cell have been compulsorily constituted in each College.

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

Sports activities and Youth festival are important regular extracurricular activities. College, District, University, State and National level competitions are held under these activities. Students have opportunities to perform cultural activities in youth festival and Annual function of the College.

- ✓ **Major student welfare initiatives over the past year**

- Successful implementation of all government schemes.
- Students participation in college development activities

- Lectures on personality developments and cultural activities.
- Time to time feedback from students and parents for better future of the College.

✓ **Extension Activities**

Special coaching and guidance is intended to be conducted for weak students, motivational lectures, seminars, presentations etc.

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. Focuses, 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	Area of achievement
1	Gold medal (Science Group of the University)	Ku Ratika Rastogi	MSc (2015)	PG Science

*These medals are given to toppers of UG classes

- **Research scholarship/ award**

S. no	Name of the scholarship award/	Name of the recipient	Class	Area of research
-	-	-	-	-

CULTURAL

- **Participation**

S.no	Name of the event	District Level	State Level	University	National Level
1	Yuva Utsav Samuh Gayan	06	06	-	-
2	Ekal Gayan	03	-	-	-
3	Sugam Sangeet	03	-	-	-
4	Clay Modelling	03	-	-	-
5	Essay Writing	03	03	-	-
6	Debate	05	01	-	-
7	Rangoli	03	01	-	-
8	Solo Classical dance	01	01	01	-
9	Mime	05	05	05	-

- Awards and Achievements

Name of the student	Class	Event	Award/Achievement
-	-	-	-
-	-	-	-
-	-	-	-

SPORTS

- Participation

S.no	Name of the event	Division Level	State Level	University/ National Level	International Level
1.	Table Tennis	02	-	-	-
2.	Basket Ball (M)	02	01	01	-
3.	Basket Ball (W)	-	-	-	-
4.	Judo	-	-	-	-
5.	Cricket	01	-	-	-
6.	Athletics	05	02	02	-
7.	Chess	02	02	02	-
8.	Kabaddi (M)	01	-	-	-
9.	Volleyball (M)	01	-	-	-
10.	Kho-Kho (M)	05	05	05	-
11.	Hockey (M)	03	03	03	-
12.	Swimming (M)	01	01	01	-
13.	Cross Country (M)	04	01	01	-
14	Boxing (M)	02	01	01	-

- Awards and Achievements

Name of the student	Class	Sport	Award/Achievement
Yogesh Yadav	BSc I Sem	Wrestling (M)	Inter University
Swapnil Garg	BSc I Sem	Softball (M) Baseball (M)	Inter University
Bharat Banskar	BSc V Sem	Atheletics (M)	Inter University
Pavan Mishra	BSc I Sem	Atheletics (M)	Inter University
Gaurav Sharma	BSc V Sem	Cross Country (M)	
Bharat Kumar Dhakad	BSc I Sem	Handball (M)	Inter University
Bharat Kumar Dhakad	BSc I Sem	Handball (M)	Inter University
Vishwas Gaur	BSc III Sem	Kho-Kho (M)	Inter University
Ajay Sahu	BSc V Sem	Kho-Kho (M) Baseball (M)	Inter University
Vinay Singh Bais	BSc I Sem	Kho-Kho (M)	Inter University
Rohit Kumar Maheshwari	BSc I Sem	Kho-Kho (M)	Inter University
Ajay Jaiswal	BSc III Sem	Hockey (M)	Inter University
Anil Kumar	BSc I Sem	Hockey (M)	Inter University

Nishant Savita	BSc I Sem	Hockey (M)	Inter University
Shivang Gupta	BSc III Sem	Baseball (M)	Inter University
Utkarsh Shukla	BSc I Sem	Basketball (M)	Inter University
Akshatraj Sharma	BSc V Sem	Chess (M)	Inter University
Rupendra Kumar Badhai	MSc I Sem	Chess (M)	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	Social/ economic context
1	Physics	Condensed matter physics	Important area in physics
2	Chemistry	1. Synthetic work and computational chemistry 2. Development of novel drugs	
3	Botany	Ecology, Ethnobotany	
4	Zoology	Environmental studies	
5	Geology	1. Economic geology with special reference to Bauxite deposits 2. Ground water geology	Enhancement of bauxite resources of Madhya Pradesh. Quality of ground water is an important social issue
6	Military Science	Defense and national security	

• Major/Minor research projects

S. No	Name of the Faculty	Year	Title of the project	Name of funding Agency/ Industry	Total grant received
1	Dr D Kumar	2011	Computational study of some novel compounds	UGC	1.0 lac
2	Dr Mrs Shakti Bharadwaj	2015	Protecting effect of chelating agents against Vanadium toxicity in rats	MPCST	5.0 lacs

- **Papers presented in regional, national and international seminars/ conferences**

S. No.	Name of the faculty	Regional/ State	National	International
1	Physics	-	-	-
2	Chemistry	-	17	-
3	Mathematics	-	-	-
4	Botany	10	-	-
5	Zoology	02	05	-
6	Geology	02	01	02
7	Military Science	-	01	-
8	Hindi	-	02	-
9	English	-	-	-

- **Publications in national/ international journals**

S.No.	Name of the faculty	Name of the journal	Title of the paper	ISSN/ ISBN number /Impact factor
Kindly refer Annexure-				

- **List of linkages/ Collaborations/ MOUs**

At present there are no linkages, collaborations or MOU

- **College Publications: Research Journal, Magazine, Newsletter**

Research journal 'Madhya Bharat Journal of Applied Sciences' is regularly published by the college

Human Resources (2 pages)

Highlight senior faculty and administrative appointments. Describes what new areas of activity (new courses, research areas, extracurricular activities etc.) and administrative improvements are enabled by these appointments.

1. Faculty and Administrative appointments: Teaching and Non-teaching

Positions	Teaching Faculty				Non Teaching Faculty	Technical Staff
	Prof	Promoted Prof	Assistant Prof	Guest Faculty		
Sanctioned by UGC/ University/ State Govt	06	-	70	-	83	25
Filled						
Sanctioned by Management/ Janbhagidari Samiti/ Other authority	-	-	-		-	-
Filled	-	-	-			-

2. Guest Faculty: subject-wise appointments – 2016-17

S. No.	Name of the Guest Faculty	Qualification	Subject
1	Dr Sunita Agrawal	MSc, PhD	Physics
2	Dr Sarika Shrivastava	MSc, PhD	Physics
3	Dr Mamta Chouhan	MSc, PhD	Physics
5	Dr Supriya Dixit	MSc, PhD	Physics
6	Dr Anu Agrawal	MSc, PhD	Physics
7	Dr Vikas Naik	MSc, PhD	Physics
8	Kamlesh Kumar Nigam	MPhil, NET	Physics
10	Shailendra Singh Kushwah	MSc	Physics
11	Dr Archana Shrivastava	MSc, PhD	Chemistry
12	Dr Nitu Goswami	MSc, PhD	Chemistry
13	Dr Geetanjali Goswami	MSc, PhD	Chemistry
14	Dr Sonal Agnihotri	MSc, PhD	Chemistry
15	Dr Vijay Singh Kushwah	MSc, PhD	Chemistry
16	Ku Anamika Pathak	MSc	Chemistry
17	Dr Nisha Tomar	MSc, PhD	Botany
18	Dr Amit Kumar Singh Chauhan	MSc, PhD	Botany
19	Dr D K Chaturvedi	MSc, PhD	Zoology
20	Dr Rekha Yadav	MSc, PhD	Zoology
21	Dr Gajendra Rajput	MSc, PhD	Zoology
22	Dr Vijay Rajoria	MSc, PhD	Military Science
23	Dr Abdul Ishaq Shekh	MSc, PhD	Military Science
24	Kamal Singh Rajoria	MTech, NET	Electronics
25	Mrs Sangeeta Rajput	MSc	Industrial Chemistry
26	Mrs Namita Agrawal	MSc	Industrial Chemistry
27	Mrs Ankita Kharya	MSc	Industrial Chemistry
28	Dr Bhanu Shrivastava	MSc, PhD	Microbiology
29	Dr Ashima Husain	MSc, PhD	Biotechnology

3. Annual improvement in academic, research & administrative Initiatives

Priority and emphasis has been given for regular class room teaching as per time table. Students are regularly motivated to attend all classes. Interesting methods of teaching like power point presentation, internet access, seminars, preparation of charts, models, write-up, working on computers etc are used and applied. Students are encouraged to do best in CCE. They are guided how to answer questions correctly. Faculty members are encouraged to produce good research work, to organise Regional and National seminars and conferences on topics and issues of general interest.

10. Events and Initiatives (5 pages)

(Describe major events including seminars, conferences, competitions, student study trips etc. Focuses on what was achieved and learned, and how the college will follow up. Describe significant academic, administrative, student support, fundraising, and other initiatives over the past year. The description of each initiative will be structured around the need for the initiative, how it was designed, what resources were used, what results were achieved, and which features of the initiative drove success.)

In session 2016-17 following programmes were organised:

A regional seminar on “Recent trends in computational methods” was organised by the Department of Chemistry.

Two days workshop on “Gemology and Gem testing” was organised by the Department of Geology”. This work shop was followed by the field work. Students were taken to field trip around Gwalior.

11. Institutional Development plan (4 pages)

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

Detailed Institutional Development plan:

Indicator*	Baseline Value	Target for [current year]	Value as on 30 th September [current year]
Construction of new classrooms (RUSA)	70 Lakh	To complete this work	Amount release so far 90 Lakh (utilized till now 85.70 Lakh as per PIU); work is about to complete
Renovation – Physics & Geography	70 Lakh	To complete this work	

Role of Internal Quality Assurance Cell (IQAC) in academic audit and initiating quality assurance strategies and processes:

1. IQAC regularly performs academic audit.
2. It plays a key role in taking feedback from students and teachers time to time.
3. The feedback obtained are analyzed and discussed with teachers and Heads of the Departments.
4. Actions related to College level are immediately taken and matter/policy issues are conveyed to higher level.

12. Placement Report (3 pages)

Describes the college's placement cell activities, placement rate and salary statistics, and lists major employers and sectors of employment (disaggregated by gender and course studied). Profiles successful alumni and identifies emerging placement trends.

Activities of Placement Cell

S. no.	Name of the activity	Name of the Resource Person/ agency	Date & Duration
1.	Maintenance of natural resources	Dr S N Dikshit	26.10.2016 (for two hours)
2.	Success in my hand	Dr Anoop Pandey	25.11.2016 (for two hours)

Placement Details

S.no.	No. of Students Selected	List of employers/companies	Salary Package
1.	50	03: Ascom Group, Indore	1.20 lacs p.a.
		15: Axis bank	1.44 lacs p.a.
		11: Eureka Forbs	1.80 lacs p.a.
		03: Max Life Insurance	1.20 lacs p.a.
		08: Techies IT Solution	1.20 lacs p.a.
		10: Yadav computer, Gwalior	0.84 lacs p.a.

Alumni Profile

S. no.	Name of Alumni	Employment status	Name of the organisation
1	Shri Saurabh Dubey	Director	Private MNC
2	Shalin Sharma		Department of Women and Child Welfare, GoMP
3	Shiv Dayal Singh Pal	Novel Writer	
4	Dr Ankita Agrawal	Assistant Professor	AIIMS, Bhopal
5	Dr Kamlesh Katrolia	Junior Scientist	NIMR, Delhi
6	Lovely Kumari	Data Operator	INODATA, Noida
7	Neelesh Kumar		CIPLA
8	Radhe Shyam		CIPLA

13. Innovations and Best Practices

College has two best practices:

1. **Vermicomposting in college campus:** Vermicompost is the product of the composting process using various species of worms, usually red wigglers, white worms and other earthworms to create a heterogeneous mixture of decomposing vegetable or food waste, bedding materials and vermicast. This project was initiated by self financing centre of Biotechnology. The students of BSc and MSc Biotechnology participated in this project. Just behind the Block-B of college building, within college campus. This was a small scale

project for training of students and material existing in college campus was used.

2. **Water quality project:** Student of BSc Geology took initiative to test ground water quality in and around Gwalior City. Students were motivated and guided for this project by teachers of the Geology Department of the College. Student selected about 15 locations in map and collected water samples from these locations. Samples were brought to laboratory of the Geology Department and tested for selected drinking quality parameters. These parameters are: Colour, Odour, temperature, Total Hardness, Alkalinity Chloride, fluoride, and faecal colliform. The results obtained were compared with drinking water standard parameters and a report was prepared and submitted giving conclusions and recommendations.

14. SWOC Analysis (strength , weaknesses, Opportunity and Challenges)

Strength:

- College is located in the heart of the city and is easily approachable from all parts of the city.
- College has a huge campus with about 30 well ventilated class rooms.
- College has lush green campus which provides good working environment to the staff and students.
- There is a proper facility for parking for students and staff.
- College has a very big play ground, with a separate hall for table tennis and badminton.
- There is a newly constructed sports complex for indoor games.
- Faculties are well experienced, highly qualified, competent and dedicated.
- Most of the departments are actively engaged in research.
- College has 5 self finance courses.
- College has a well established Virtual cum Smart class.
- There are two outstanding museums in Zoology and Botany departments, with a unique collection of some rare species of animals and plants.
- College has Geology Department, the only department in Gwalior-Chambal region that provides under graduate teaching in Geological sciences.
- There is a well furnished common room for girls.
- Library is fully automated and Wi-fi enabled.
- There are two NCC wings: army and naval.

Weanesses:

- In addition to its own examinations, the college has to conduct various competitive examinations and examinations of many private colleges which disturb the normal academic working of the college.
- Teaching staff is over burdened with non-academic work.
- Poor academic background and language problem of the students are major constraints in motivating and guiding them higher studies and research.
- There is no permanent faculty in self finance courses.

- Office is only partially computerized.
- The college has to conduct classes and university examinations, simultaneously which, sometimes, affect normal teaching.

Opportunities:

- College has a big playground which can be utilized for national level events.
- The potentiality of highly qualified and experienced teaching staff can be exploited in more fruitful manner.
- Exchange of knowledge across the institutions in the area.
- Research activities of the institution can be utilized for the benefit of the society.

Challenges:

- There is a need to enhance ICT facilities available in the college.
- A separate building is required for self finance courses.
- Collaboration with industries other research institutes is required for enhancement of research and academic activities.
- To set up a English language lab to improve the communication skill of the students.
- The college requires more training programs to empower and update the faculty members.
- More emphasis in terms of grant is required on proper maintenance of class rooms furniture, chemicals, glassware etc.
- Banking facility in the campus may prove more helpful.

15. Looking Ahead (3 pages) Future Plans

Lays out the college’s priorities and goals over the coming year. Describes key initiatives planned, what each initiative is expected to achieve, and how it will contribute to the college’s long term development.

Detailed IDP of the college is attached herewith

Key Initiatives Planned/ implemented

S. No	Head (administrative/ academic, etc)	Nature of proposal	Expected Outcome
1	Academic	Up-gradation of the college into College of Excellence	1. Infrastructural development of college. 2. Research activities will be increased. 3.
2.	Academic	Construction of separate block for self financing courses.	Extension of more need based branches and courses can be started.

16. Appendix: Institutional Performance Data and Financial Reports

Provides key data on the institution and its performance, including achievement against strategic plan targets and financial reports. This section is mandatory. All data fields must be completed, in the format and as per the instructions attached.

Part II

Appendix: Institutional Performance Data and Financial Reports (all part II data kindly fill in attached excel sheet)

1. Sanctioned seats and enrolment

(a) Sanctioned Seats					
	SC	ST	Other Reserved Categories	General	Total
Undergraduate	389	486	413	1142	2430
Postgraduate	56	70	59	165	350
PhD	-	-	-	-	102

Data Source: AISHE

(b) Enrolment							
		Undergraduate			Postgraduate		PhD
		Year 1	Year 2	Year 3	Year 1	Year 2	
SC	Male	307	182	139	49	13	02
	Female	38	14	11	26	11	03
ST	Male	18	10	10	01	-	-
	Female	06	01	02	-	-	-
Other Reserved Categories	Male	525	304	277	38	12	04
	Female	34	14	16	16	15	03
General	Male	530	583	263	40	16	31
	Female	71	54	20	17	32	19
Total	Male	1380	1079	689	128	41	37
	Female	149	83	49	59	58	25

Data Source: AISHE

Number of sanctioned seats by discipline group and enrolment in the 1st year as on September 30th [current year]				
Discipline Group	Undergraduate		Postgraduate	
	Sanctioned Seats	Enrolment	Sanctioned Seats	Enrolment
Arts				
Commerce				
Criminology and Forensic Science				
Cultural Studies				
Defence Studies				
Design				
Disability Studies				
Education				
Fashion Technology				
Fine Arts				
Fisheries Science				
Foreign Languages				
Gandhian Studies				
Home Science				
Indian Languages				
IT & Computer				
Journalism and Mass Communication				
Law				
Library and Information Science				
Linguistics				
Management				
Marine Science and Oceanography				
Oriental Learning				
Physical Education				
Religious Studies				
Science	2430	1529	350	287
Social Science				
Social Work				
Women Studies				

Data Source: AISHE

2. Transition and on-time graduation

(a) Transition from the 1st year to the 2nd year (Undergraduate)				
		Number of students admitted to the 1 st year in [the previous academic year] (*) 2014-15	Of (*), the number of students currently enrolled in the 2 nd year who:	
			Passed all subjects in the 1 st year (Enrolment 2016-17)	Were Allowed to Keep Terms
SC	Male	232	182	*
	Female	15	14	*
ST	Male	12	10	*
	Female	01	01	*
Other Reserved Categories	Male	415	304	*
	Female	15	14	*
General	Male	608	583	*
	Female	55	54	*
Total	Male	1267	1079	*
	Female	86	83	*

Data Source: AISHE, examination results declared by [affiliating university/autonomous college] * Data not available

(a) Transition from the 1st year to the 2nd year (Postgraduate)				
		Number of students admitted to the 1 st year in [the previous academic year] (*) 2014-15	Of (*), the number of students currently enrolled in the 2 nd year who:	
			Passed all subjects in the 1 st year (Enrolment 2016-17)	Were Allowed to Keep Terms
SC	Male	24	13	*
	Female	10	11	*
ST	Male	-	-	*
	Female	-	-	*
Other Reserved Categories	Male	19	12	*
	Female	23	15	*
General	Male	23	16	*
	Female	46	32	*
Total	Male	66	41	*
	Female	83	58	*

Data Source: AISHE, examination results declared by [affiliating university/autonomous college] *Data not available

(b) On-time graduation (Undergraduate)			
		Number of students admitted to the 1st year in [year t-3] (*)	Of (*), the number of students who passed all final year examinations for the previous academic year
SC	Male	*	*
	Female	*	*
ST	Male	*	*
	Female	*	*
Other Reserved Categories	Male	*	*
	Female	*	*
General	Male	*	*
	Female	*	*
Total	Male	*	*
	Female	*	*

Data Source: AISHE, examination results declared by [affiliating university/autonomous college] * Data not available

(b) On-time graduation (Postgraduate)			
		Number of students admitted to the 1st year in [year t-2] (*) 2014-15	Of (*), the number of students who passed all final year examinations in the current year
SC	Male	20	*
	Female	16	*
ST	Male	-	*
	Female	-	*
Other Reserved Categories	Male	21	*
	Female	11	*
General	Male	32	*
	Female	42	*
Total	Male	73	*
	Female	69	*

Data Source: AISHE, examination results declared by [affiliating university/autonomous college] * Data not available

3. Faculty and administrative staff in position and training

(a) Faculty and administrative staff in position as on 30th September, [current year]								
		Reserved					UR	Total
		SC	ST	MP Residents	Females	Others		
Assistant Professor	Sanctioned*	-	-	-	-	-	-	70
	Filled (Regular)	07	-	-	11	-	30	37
	Filled (Contract)	-	-	-	-	-	-	
	Guest Lecturers	01	-	-	12	05	15	21
Associate Professor	Sanctioned*	-	-	-	-	-	-	
	Filled (Regular)	-	-	-	-	-	-	
	Filled (Contract)	-	-	-	-	-	-	
	Guest Lecturers	-	-	-	-	-	-	
Professor	Sanctioned*	-	-	-	-	-	-	06
	Filled (Regular)	-	-	-	03	-	18	18**
	Filled (Contract)	-	-	-	-	-	-	
	Guest Lecturers	-	-	-	-	-	-	
Admin. Staff (all)	Sanctioned*	-	-	-	-	-	-	111
	Filled (Regular)	14	04	-	11	10	54	82
	Filled (Contract)	-	-	-	-	-	-	
Accountant	Sanctioned*	-	-	-	-	-	-	
	Filled (Regular)	-	-	-	-	-	-	
	Filled (Contract)	-	-	-	-	-	-	

Data Source: AISHE

*Data for category wise sanctioned posts is not available

** Number includes promoted professors.

(b) Training of faculty and administrative staff between October 1st [previous year] to September 30th [current year]				
		Leadership and management training	Training in the area of academic specialisation	Other training
Assistant Professor	Number trained		37	
	Avg. number of days			
Associate Professor	Number trained			
	Avg. number of days			
Professor	Number trained		18	
	Avg. number of days			
Administrative Staff (all)	Number trained			01
	Avg. number of days			
Accountant	Number trained			
	Avg. number of days			

Data Source: Compiled from training certificates submitted by faculty/administrative staff

(c) Faculty qualifications as on 30th September, [Current Year]					
		PhD	Post graduate	Under graduate	Others
Assistant Professor	Regular	26	09	-	02
	Contract	-	-	-	-
	Guest Lecturers	18	02	-	-
Associate Professor	Regular	09	-	-	-
	Contract	-	-	-	-
	Guest Lecturers	-	-	-	-
Professor	Regular	18	-	-	-
	Contract	-	-	-	-
	Guest Lecturers	-	-	-	-

Data Source: AISHE

4. Student support services

(a) Financial support received (from all sources) by students in the college between October 1st [previous year] to September 30th [current year]							
		Undergraduate		Postgraduate		PhD	
		Number	Average Value (Rs.)	Number	Average Value (Rs.)	Number	Average Value (Rs.)
SC	Male	-	-	-	-	-	-
	Female	-	-	-	-	-	-
ST	Male	-	-	-	-	-	-
	Female	-	-	-	-	-	-
General	Male	-	-	-	-	-	-
	Female	-	-	-	-	-	-
Total*	Male	Total scholarships 1313 (UG, PG, PhD)					
	Female	Total scholarships 96 (UG, PG, PhD)					

* Financial support is only in the form of scholarship. No category data is available.
Data Source: AISHE

(a) Financial support received, from the DHE, by students in the college between October 1st [previous year] to September 30th [current year]							
		Undergraduate		Postgraduate		PhD	
		Number	Average Value (Rs.)	Number	Average Value (Rs.)	Number	Average Value (Rs.)
SC	Male	-	-	-	-	-	-
	Female	-	-	-	-	-	-
ST	Male	-	-	-	-	-	-
	Female	-	-	-	-	-	-
General	Male	-	-	-	-	-	-
	Female	-	-	-	-	-	-
Total	Male	Total grant received by the government in different heads = Rs 30.65 Crores Total amount received by fee = Rs 1.59 Crores					
	Female						

Data Source: College records, DHE

(b) Hostel occupancy as on 30th September, [Current Year] (all hostels)			
Capacity		Number of residents	
Males: Females:			
SC	Male	Nil	
	Female		
ST	Male		
	Female		
General	Male		
	Female		
Total	Male		
	Female		

Data Source: Hostel register verified against fee receipts on record

(c) Hostel occupancy as on 30th September, [Current Year] (girls only hostels opened after _____)	
Capacity	Number of residents
SC	N.A.
ST	
General	
Total	

Data Source: Hostel register verified against fee receipts on record

5. Examination Results

(a) Examination results for [previous academic year] (undergraduate)											
		SC		ST		Other Reserved Categories		General		Total	
		M	F	M	F	M	F	M	F	M	F
1st year	Appeared	307	38	18	06	525	34	530	71	1380	149
	1st division										
	2nd Division										
	3rd Division										
2nd year	Appeared	182	14	10	01	304	14	583	54	1079	83
	1st division										
	2nd Division										
	3rd Division										
3rd year	Appeared	130	11	10	02	277	16	263	20	689	49
	1st division										
	2nd Division										
	3rd Division										

Data Source: AISHE, Examination results declared by [affiliating university/autonomous college]

(a) Examination results for [previous academic year] (postgraduate)											
		SC		ST		Other Reserved Categories		General		Total	
		M	F	M	F	M	F	M	F	M	F
1st year	Appeared	49	26	01	-	38	16	40	17	128	59
	1 st division										
	2 nd Division										
	3 rd Division										
2nd year	Appeared	13	11	-	-	12	15	16	32	41	58
	1 st division										
	2 nd Division										
	3 rd Division										

Data Source: AISHE, Examination results declared by [affiliating university/autonomous college]

6. Placement and student tracking

(a) Placement and Tracking of Students who graduated in [previous academic year] (Undergraduate)						
		Number of students who graduated in [the previous academic year] (*)	Of (*), the number of students who were successfully tracked and are:			
			Employed / Self-employed	In education / training	Unemployed	Not in the labour force
SC	Male	145	39	05	111	-
	Female	13	02	02	09	-
ST	Male	10	03	01	06	-
	Female	02	-	02	-	-
General	Male	513	102	46	365	-
	Female	31	12	03	16	-
Total	Male	668	144	52	472	-
	Female	46	14	07	25	-

Data Source: Records of the college placement cell

(b) Placement and Tracking of Students who graduated in [previous academic year] (Postgraduate)						
		Number of students who graduated in [the previous academic year] (*)	Of (*), the number of students who were successfully tracked and are:			
			Employed / Self-employed	In education/ training	Un employed	Not in the labour force
SC	Male	13	06	02	05	-
	Female	11	04	01	06	-
ST	Male	-	-	-	-	-
	Female	-	-	-	-	-
General	Male	28	17	05	06	-
	Female	45	21	03	21	-
Total	Male	41	23	07	11	-
	Female	56	25	04	27	-

Data Source: Records of the college placement cell

7. PhD's Awarded

Number of PhDs awarded between October 1 st [previous year] to September 30 th [current year]	
Discipline Group	Number
Agriculture	-
Arts	-
Commerce	-
Criminology and Forensic Science	-
Cultural Studies	-
Defence Studies	-
Design	-
Disability Studies	-
Education	-
Fashion Technology	-
Fine Arts	-
Fisheries Science	-
Foreign Languages	-
Gandhian Studies	-
Home Science	-
Indian Languages	-
IT & Computer	-
Journalism and Mass Communication	-
Law	-
Library and Information Science	-
Linguistics	-
Management	-
Marine Science and Oceanography	-
Oriental Learning	-
Physical Education	-
Religious Studies	-
Science	13
Social Science	-
Social Work	-
Women Studies	-
Literature	-
Other	-
All disciplines	-

Data Source: AISHE

8. Research and consultancy – As it is a Govt. College with regular traditional subjects. Faculty members are not involved in consultancy

Revenue generated through externally funded research and consultancies over [previous financial year]		
Discipline Group	Number of active projects	Total Revenue Generated (Rs. lakhs)
Arts		
Commerce		
Criminology and Forensic Science		
Cultural Studies		
Defence Studies		
Design		
Disability Studies		
Education		
Fashion Technology		
Fine Arts		
Fisheries Science		
Foreign Languages		
Gandhian Studies		
Home Science		
Indian Languages		
IT & Computer		
Journalism and Mass Communication		
Law		
Library and Information Science		
Linguistics		
Management		
Marine Science and Oceanography		
Oriental Learning		
Others / Inter-disciplinary		
Physical Education		
Religious Studies		
Science	Nil	
Social Science		
Social Work		
Veterinary and Animal Sciences		
Women Studies		
All disciplines		

Data Source: College/university records

Number of papers published in peer-reviewed journals between October 1st [previous year] to September 30th [current year]			
Discipline Group	Number of papers published		Number of published papers through cross-institute research collaboration
	International Journals	National Journals	
Arts			
Commerce			
Criminology and Forensic Science	-	-	-
Cultural Studies	-	-	-
Defence Studies	-	-	-
Design	-	-	-
Disability Studies	-	-	-
Education	-	-	-
Fashion Technology	-	-	-
Fine Arts	-	-	-
Fisheries Science	-	-	-
Foreign Languages	-	-	-
Gandhian Studies	-	-	-
Home Science	-	-	-
Indian Languages	-	-	-
IT & Computer	-	-	-
Journalism and Mass Communication	-	-	-
Law	-	-	-
Library and Information Science	-	-	-
Linguistics	-	-	-
Management	-	-	-
Marine Science and Oceanography	-	-	-
Oriental Learning	-	-	-
Others / Inter-disciplinary	-	-	-
Physical Education	-	-	-
Religious Studies	-	-	-
Science	99 (Annexure-1)		
Social Science	-	-	-
Social Work	-	-	-
Women Studies	-	-	-
All disciplines			

Date Source: College records based on published papers submitted by faculty

9. NAAC accreditation and UGC autonomy

	Date of Application (LOI & SSR submitted)	Date on which accreditation was received	Grade	Valid till
1st Cycle	-	-	-	-
2nd Cycle	-	2014-15 (February, 2015)	B (2.79 on 4.00 point scale)	2019
3rd Cycle	-	-	-	-

Date of submission of the Annual Quality Assurance Report for the current year. 2015

Does the college have currently valid UGC autonomy? _____ **No** _____ .

10. Institutional Trends

Variable	Baseline Value	[Year 1]	[Year 2]	[Year 3]	[Year 4]	Current Year
Percentage of sanctioned seats in the 1 st year filled (undergraduate, all categories)	1450	99%	97%	98%	94%	96%
Percentage of sanctioned seats in the 1 st year filled (postgraduate, all categories)	300	73%	71%	60%	55%	54%
Transition rate from the 1 st year to the 2 nd year (undergraduate, all categories)	887	64%	63%	64%	60%	61%
On-time graduation rate (undergraduate, all categories)	887	64%	63%	64%	60%	61%
Transition rate from the 1 st year to the 2 nd year (post graduate, all categories)	152	70%	73%	71%	73%	75%
On-time graduation rate (postgraduate, all categories)	114	70%	73%	71%	73%	75%
Regular faculty in position rate (all levels, reserved categories)	*	*	*	*	*	60% filled
Regular faculty in position rate (all levels, unreserved categories)	*	*	*	*	*	
Percentage of regular faculty with PhDs (all levels)	*	*	*	*	*	80%
Employment rate of graduates from the previous academic year (undergraduate, all categories)	*	*	*	*	*	*
Employment rate of graduates from the previous academic year (postgraduate, all categories)	*	*	*	*	*	*
Percentage of total revenue generated through externally funded research	Nil	Nil	Nil	Nil	Nil	Nil
Number of papers published in peer-reviewed, international journals	As per information collected from faculty members about 100 papers were published by 16 faculty members (Kindly refer enclosed Annexure-1)					

Source: Tables under section 1-8. * Data not available

11. Financial Reports

College account is audited by Government auditor

12. All India Survey of Higher Education

Date on which all applicable fields of the Data Collection Format for the All India Survey of Higher Education were completed and submitted **_01/03/2017**.

Instructions

- All data is to be reported as on 30th September of the current year.
- Postgraduate courses refer to courses at the Masters and MPhil level.
- The number of sanctioned seats is the number of students the college is authorized, by the UGC/DHE/affiliating University, to admit in the first year of its degree programs.
- The number of sanctioned faculty posts is the number of faculty the college is authorized, by the UGC/DHE/affiliating University, to recruit on a full-time basis.
- Enrolment is defined as the number of students who have paid their admission fees for joining a degree program by September 30 of the respective academic year.
- Admission is defined as the number of students who have paid their admission fees for joining a degree program, in the first year, by September 30 of the respective academic year and who have never been enrolled in that degree program previously.
- Other Reserved Categories include all categories of students (for e.g. sports quota, extracurricular quota, residents of Jammu and Kashmir etc.) for whom a fixed percentage of sanctioned seats are reserved.
- Examination results are to be reported for examinations held in the previous academic year, and the results for which were declared by 30th September of the current year.
- Allowed to keep terms refers to students who did not pass all subjects in the previous year but were allowed to transition to the next year of their respective degree programs.
- Regular faculty refers to faculty employed on open-ended, full-time contracts as per UGC norms.
- Contract faculty refers to faculty employed on fixed term, full-time contracts as per UGC norms.
- Guest Lecturers refers to faculty employed on a per lecture or per day basis as per UGC norms.
- Data on scholarships is to be reported on all scholarships awarded between 1st October of the previous year and 30th September of the current year.
- A hostel seat is considered occupied if a student has been allotted a seat in the hostel and the student, to whom the seat was allotted, has paid the hostel fee for the current academic year.
- Examination results refers to the average score obtained by a student, in the respective academic year, across all exams that are used to assess whether the student has met the requirement of the degree program in which he/she is enrolled.
- Student tracking refers to having up to date contact information (mobile phone and/or email address) and status (employment, unemployed, in formal education or training, not in the labour market/other) for each student for up to six from the end of the academic year when the student passed out (graduated).
- Externally funded research and consultancies refer to research and/or development funded through consultancy contracts or partnerships with a sponsor or purchaser who is external to the institution.

- A peer-reviewed journal is one that subjects an author's research to review and evaluation by others who are experts in the same field, before the research is published.
- An international journal is one that has an International Standard Serial Number (ISSN) issued by the ISSN International Centre.
- A paper is said to be published through cross-institute research collaboration if the primary affiliation of at least two authors is to different colleges/institutions.
- The institutional performance indicators common across all institutions can be found in the PIP. Institution-specific performance indicators can be found in the MOU signed between the Institution and the Department of Higher Education.
- The standard Chart of Accounts refers to the standard format for audit reports as notified by the Department of Higher Education through its orders.

Annexure -1
Research papers published by faculties in last 5 years

SNo	Department	SNo	Name of faculty	No of papers
1	Chemistry	1	Dr D Kumar	15
2	Mathematics	2	Dr R K Shrivastava	16
		3	Shri H S Jatav	08
		4	Dr D P Agrawal	04
		5	Dr Rajshree Mishra	03
3	Botany	6	Dr R K Khare	07
		7	Dr A C Raghuvanshi	02
		8	Dr V K Sewariya	02
4	Zoology	9	Dr R B Gupta	05
		10	Dr Meenakshi Chaturvedi	01
		11	Dr D K Sharma	07
		12	Dr Shakti Bharadwaj	02
		13	Dr Tripti Sharma	02
		14	Smt Adarsh Dixit	15
5	Geology	15	Dr Rakesh Shrivastava	07
		16	Dr Suyash Kumar	03
	Total			99

**Government Science College
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Annexure - 3

➤ **Admission details (2016):** Wherever necessary expand the tables by adding rows.

➤ **Programme wise details (UG):** (An example of a programme is B.Com)

	No. of Students applying for the programme	No. of students selected for the programme
B.Sc. (3 year programme)	1529	1529
Total	1529	1529

• **Programme wise details (PG):**(An example of a programme is M.Sc. (Chemistry))

	No. of Students applying for the programme	No. of students selected for the programme
MSc Physics	25	25
MSc Chemistry	30	30
MSc Maths	26	26
MSc Botany	17	17
MSc Zoology	24	24
MSc Geology	Not applicable	Not applicable
MSc Military Science	4	4
M Sc Industrial Chemistry	8	8
MSc Computer Science	19	19
MSc Microbiology	13	13
MSc Biotechnology	7	7
PGDCS	13	13
Total	186	186

➤ **Total enrolment of students in First year during the following years (Programme Wise)**

		2013	2014	2015	2016	2017 [Planned]
	B.Sc.	-	-	-	1529	
	Total (UG)					
PG	MSc Physics	-	-	-	25	
	MSc Chemistry	-	-	-	30	
	MSc Maths				26	
	MSc Botany				17	
	MSc Zoology				24	
	MSc Geology				NA	
	MSc Military Science				4	
	M Sc Industrial Chemistry				8	
	MSc Computer Science				19	
	MSc Microbiology				13	
	MSc Biotechnology				7	
	PGDCS				13	
	Total (PG)				186	

➤ **What the following financial support is available in your college for disadvantaged students in addition to scholarships?**

- Loans (Please provide details such as the name of the bank, scheme and the number of students who avail such loans).

Not applicable

- Opportunity to work and earn (Please provide details)

Not applicable

➤ **Course wise failures in (2016)**

	UG			PG	
	In 1 st Year	In 2 nd Year	In 3 rd Year	In 1 st Year	In 2 nd Year
Number of students who failed in only one subject	350	300	180	20	7
Number of students who failed in 2 subjects	250	200	120	15	5
Number of students who have failed in more than 2 subjects	87	45	20	40	13
Total	687	545	320	75	25

- List three subjects (Programme wise) which have the maximum failures.

UG	Subjects	PG	Subjects
B.Sc.	Maths Physics Chemistry	MSc	Physics Chemistry maths

➤ **Infrastructure details(2016)**

Infrastructure	Existing		Required for present student strength	
	Number	Area(in sq. mts)	Number	Area (in sq. mts)
Building	03 Blocks	12000 sqm Approx.	02 Blocks	1600 sq m
Class rooms	25 including 1 smart class	2700 sq.m. Approx.	20	2160 sq.m. Approx.
Computer Lab	02	138 sq.m. approx.	02	216 sq.m.
Communication lab	-	-	-	-
Other labs (for ex. Chemistry lab) 1. Physics - 8 2. Chemistry - 6 3. Botany - 3 4. Zoology -5 5. Geology – 2 6. Mil Sc -1	25	3000 sq.m.	6	650 sq.m.
Faculty rooms (Staff rooms in each department)	15	540 sq.m.	10	360 sq m
Student meeting rooms (Girls Common Room)	01	30 sq.m.	02 (one more for girls and one for boys)	60 sq.m.
Conference hall	nil		01	600 sq m
Auditorium			01	1000 sq.m.
Administrative building (Administrative Block)	01	500 sq.m.	01	300 sq m
Library (one multi level library)	01	450sq.m.	Extension required	
Sports complex (Gym)	01	800 sq.m.	-	-
Play grounds	01	2000 sq.m.	-	

➤ **Library details (2016)**

- Is reading room facility available?

Yes ✓

No

	Existing	Required for present student strength
Books	110000 Approx.	8000 Approx.
Magazines	26	31
Newspapers	11	15
Academic Journals	Online N list Offline 11	Offline 51

➤ **Infrastructure for Student Engagement Activities (2016)**

	Existing	If not, provide reasons why these cannot be provided.
NCC NSS Others	<i>Yes /No (If yes provide details like no. of students participating)</i> 02 Unit – NCC Army Wing 02 Unit – NCC Naval wing 02 Unit - NSS	N.A.
Clubs like literary club /Music club/Movie club/Marketing club	<i>Yes /No (If yes provide details like no. of students participating)</i> Only staff club is available	N.A.
Personal Development/ Personality Development programmes	<i>Yes /No (If yes provide details like no. of students participating)</i> College has personality development cell which regularly guides students as per academic calendar.	N.A.
Facilities to help students prepare for competitive exams.	<i>Yes /No (If yes provide details like no. of students participating)</i> Students are being guided by the teacher s time to time for this purpose. Udan coaching is being organized by District Administration	N.A.

➤ **Industries present in the region**

Around Gwalior, Malanpur, Sitholi and Banmor are industrial areas. The important industries in these three areas are dairy, chemical and textile. Handicraft and other small are also found as scattered.

➤ **No. of industries with linkages to the college (for factory visits, placements, guest talk, etc.)**

As such college has no linkage with any industries but industries from these areas mentioned above are invited every year in the placement and Career Avasar Mela by the Vivekanand Rojgaar Prakoshtha of the College. Vivekanand Career Guidance Cell organises lectures/guest talk/training for the benefit of students as per academic calendar and orders of the State Government D.H.E. Govt. of M.P.

➤ **Gap analysis in terms of your student competencies and the requirement of employers.**

Students studying in this institution mostly belong to Suburban and rural areas. Majority of students are also engaged part time in activities such as agriculture, farming, etc. Employers are invited through Career Avasar Mela every year under career guidance scheme of the State Government.

➤ **No. of students desirous of pursuing higher studies.**

- Number of students applying: 100% of PG
- Number of students who are successful: 50%
- Reasons for students for not getting admitted to PG.(please tick the applicable options)

- Poor percentage of marks in Graduation. ✓
- Poor performance in competitive exams.
- Not able to face interviews successfully.

➤ **Do you conduct Entrepreneurship Training Programmes? (please provide details)**

Entrepreneur Development program is being conducted by EDP cell of Madhav Institute of Science and technology, Gwalior, every year for both students and faculty members. Students are encouraged to attend these programs