



Yearly Status Report - 2016-2017

Part A

Data of the Institution

1. Name of the Institution		GOVT MADHAV SCIENCE COLLEGE
Name of the head of the Institution		Dr. Usha Shrivastava
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		07342511803
Mobile no.		9425091028
Registered Email		madhavsciencecollegeujjain@gmail.com
Alternate Email		singhkalpana297@gmail.com
Address		Dewas road near Vikram university
City/Town		ujjain
State/UT		Madhya Pradesh
Pincode		456010
2. Institutional Status		

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	Self financed and grant-in-aid
Name of the IQAC co-ordinator/Director	Dr. D.S. Raghuvanshi
Phone no/Alternate Phone no.	07342511830
Mobile no.	9993591888
Registered Email	madhavsciencecollegeujjain@gmail.com
Alternate Email	drdeependrasingh@gmail.com

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://29e32a53-6582-4810-9c1d-bc94fcfa2cb3.filesusr.com/ugd/ccbcb0_5863e8a3fde640e695219b35e8398277.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://29e32a53-6582-4810-9c1d-bc94fcfa2cb3.filesusr.com/ugd/ccbcb0_d38aba703ba346cd87c94283ac0b8278.pdf

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
2	A	3.17	2015	14-Sep-2015	14-Sep-2020

6. Date of Establishment of IQAC

01-Jul-2008

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Framing New vision ,	10-Aug-2017	279

mission and goals of the college for next five years	5	
Charting out strategy plan for the next five years	10-Aug-2017 26	6
P.G. Diploma in Yoga and P.G.Diploma in Computer Application and Computer Science started from session 2017-18.	01-Jul-2017 365	59
Launching of new flagship program	11-Sep-2017 8	81
Industry Academia Partnership strengthening through training program and alumni base	04-Feb-2018 14	104
Student Exchange Programme	22-Feb-2018 03	7
Publication of Research Papers in High quality Journals 01/07/2016 TO 30/06/2017	01-Jul-2017 365	37
Participation of Faculty in seminar/ Conferences	01-Jul-2017 365	64
Establishment of Social Labs Society Connect Programme (SCP) in adopted villages D	07-Jan-2018 07	6
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Govt. Madhav Science P.G. College Ujjain	Stationary	State Govt.	2016 365	2880
Govt. Madhav Science P.G. College Ujjain	Parches of Material	State Govt.	2016 365	7950
Govt. Madhav Science P.G. College Ujjain	Consumable Expenses	Govt.	2016 365	13516
Govt. Madhav Science P.G. College Ujjain	Others State	State Govt.	2016 365	381755
Govt. Madhav Science P.G.	Infra structure Grant under	RUSA	2017 365	10000000

College Ujjain	component 7 RUSA			
Govt. Madhav Science P.G. College Ujjain	Ph.D.	Govt.	2017 365	257769
Govt. Madhav Science P.G. College Ujjain	Travelling Allowances	Travelling	2016 365	63465
Govt. Madhav Science P.G. College Ujjain	Office Expenses	State Govt.	2016 365	11347
Govt. Madhav Science P.G. College Ujjain	Electricity	State Govt.	2016 365	242436
Govt. Madhav Science P.G. College Ujjain	Liveries	State Govt	2016 365	82064
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	3
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

12. Significant contributions made by IQAC during the current year(maximum five bullets)
? Launching of PURE PURsuit of Research Excellence ? 03 Day workshop on " Drug Discovery Technology Approach of computational chemistry in Drug Design" Dates:08/08/2016 to 10/08/2016 ? First ever Student Research Internship in Chemistry a student Exchange program 03/11/2016 TO 05/11/2016 for CEQIC Colleges ? Industry Academia Partnership strengthening through training program on Good Manufacturing Practices ? Celebration of International Year of Pulses. ? Career Fair 2016

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

Plan of Action	Achievements/Outcomes
Launching of PURE PURsult of Research Excellence program to support research activities of students like Undergraduate research program	PURE was launched on 5TH September 2016
03 Day workshop on " Drug Discovery Technology Approach of computational chemistry in Drug Design"	03 Day workshop on "Drug Discovery Technology Approach of computational chemistry in Drug Design" was organized on Dates: 08/08/2016 to 10/08/2016. The workshop was organized in collaboration with Biotechnology group of India. Weblink.... https://29e32a53658248109c1dbc94fcfa2cb3.filesusr.com/ugd/ccbcb0_10a4e7a7d20f4b26b4f9e3819aa49547.pdf
Industry Academia Partnership strengthening through training program on Good Manufacturing Practices	Industry Academia Partnership strengthening was executed through training program on 2nd, 3rd Sept. 2016 Good Manufacturing Practices Weblink https://29e32a53658248109c1dbc94fcfa2cb3.filesusr.com/ugd/ccbcb0_6a53ef2034e64fcdaa174719b76b40a9.pdf
Organization of RD Workshops	ProteinProtein Interaction workshops organized on 0910 March 2017 by Department of Bioinformatics. Weblink https://29e32a53658248109c1dbc94fcfa2cb3.filesusr.com/ugd/ccbcb0_7130862d56b64c56a90bbd43d386380a.pdf
Student Exchange Programme	First ever Student Research Internship in Chemistry a student Exchange program was organized on 03/11/2016 TO 05/11/2016 for CEQIC Colleges. Total 42 students from 10 best colleges across the state participated in the internship. Various lectures by experts and hands on training was provided to students weblink.... https://29e32a53658248109c1dbc94fcfa2cb3.filesusr.com/ugd/ccbcb0_d84ad6ba6c6a4bb980a0c43f18e1407c.pdf
Publication of Research Papers in High quality Journals 01/07/2016 TO 30/06/2017	45
Participation of Faculty in seminar/ Conferences	71
Establishment of Social Labs Society Connect Programme (SCP) in adopted villages	State level leadership camp and Institutional special camp in adopted village Pingleshwar by NSS volunteers 40 students and 2 Program officers participated in different activities. Students in the 7 day residential camp

worked in close proximity to the society and worked on various modules starting from swacchta to protect girl child to environmental health.
 Activities Organized: Digital banking ,ODF POCSO ACT. Vermi-compost organic Farming, disaster management , Beti Bachoo https://29e32a53-6582-4810-9c1d-bc94fcfa2cb3.filesusr.com/ugd/ccbcb0_a474ae4dbc3d4255b71f1553a2fd9a6f.xlsx?dn=Pingleshwar%20camp.xlsx

International Year of Pulses Celebration

International year of pulses was celebrated with different activities like ? Poster competition on Indigenous pulses by students ? Protein Contenthow important are pulses a culinary competition with innovative entries, recipes made by students ? Lecture on chemistry of pulses. 03 Expert lectures ? Student lecture series with PPT 09 Presentations ? Paper presentation and publication by Faculty

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
janbhagidari samiti	10-Feb-2016

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

No

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2017

Date of Submission

25-Mar-2017

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)

MANAGEMENT INFORMATION SYSTEM Being a govt. college management Information system developed depending on the online portals developed by the department of higher education govt. of M.P., as well as by Vikram university Ujjain. The portals used by the college to extract and analyze information are

1. Admission portal of the DHE 2. Examination Portal 3. Scholarship Portal 4. Establishment link of the DHE 5. E Service book link of DHE 6. For financial data MP treasury link 7. AGMP for provident fund related information Information is extracted from the portals and then analyzed and stored in the central server of the college. Information is available for all reports there.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Being an affiliated constituent college, Curriculum is provided by the department of higher education Govt. of Madhya Pradesh, curriculum for undergraduate classes is designed by Central Board of Studies, Curriculum for P.G.Classes is designed by Board of studies of the university, many teachers are the Chairperson / members of the board of studies of University for different subjects. Institution ensures the effective curriculum delivery through a well-planned and documented procedure. Academic calendar provided by the department of higher education is uploaded on the college website and college strictly adheres to the academic calendar. A detailed timetable is prepared by timetable committee headed by the principal and convened by a senior faculty member. Timetable envelopes efficiently curricular activities like theory classes, practical classes, CCE, tutorials, Chamber consultation hours, ICT, library, value added courses, add-on classes and space is provided for co-curricular activities too. Head of the department takes care of the internal distribution of time table. Syllabus units are distributed to individual teachers depending upon their expertise. Entry behavior of students is judged by individual teachers in the starting classes through quiz and interactions. Teachers prepare the lesson plan and teaching content to deliver to students. Lesson plan is notified to students through notice boards in the departments. Different teaching methodologies are adopted by teachers, this includes Lecture method: Lectures are used to convey information, background and theories relating to various scientific laws. Use of ICT: for student centric approach of curriculum delivery. The college is well equipped with state of the art smart class rooms, virtual class rooms, audio-visual and other ICT facilities which are extensively used by teachers in day to day teaching to make delivery of the curriculum attractive to students. Video lectures: For in depth extensive implementation of curriculum, special lectures delivered by eminent scholars on topics related to the curriculum further intensify learning experience. Simulation Classes: Simulation classes are mainly used to implement practical Curriculum Online Groups: For effective curriculum implementation whatsapp and email study groups are created Field Projects and experiential learning: This methodology is used to implement applicatory part of the curriculum more predominantly in P.G.Classes Assignments Workshops & Seminars : Interactive teaching is promoted through students' participation in group discussions, quizzes workshops and seminars Value Added courses: Curriculum is enriched and strengthened through 30 hour value added courses, college notifies these value added courses through notice boards and classroom informations. A uniform time table is prepared for Internal Evaluation Exams. Internal exam

coordinator ensures smooth conduction of exam and proper valuation of internal books. Examination cell headed by senior faculty keeps track of the syllabus covered, through HOD. The daily diary maintained by teachers keep record of the syllabus covered. Diary is signed by the Individual Teacher and countersigned by HOD and Principal of the college. Of the 13 declared CCE modes, different classes are allotted different CCE modes making the process more analytical and exhaustive, this gives a fair insight into the effective curriculum delivery

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Bio Membrane models: An Interface with Drug delivery Systems	NIL	29/07/2016	45	Yes	yes
Good manufacturing practices in pharmaceutical industry	Nil	29/07/2016	45	Yes	Yes
spoken tutorials	Nil	01/07/2016	180	Nil	Yes

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nil	NIL	Nil
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BSc	Physics CS/ CA Maths electronic chemistry statistic economics geology geogrphy	01/07/2016
BSc	chemistry botany zoology pharma micro bioinformatics biotechnology	01/07/2016
MSc	chemistry	01/07/2016
MSc	botany	01/07/2016
MSc	Zoology	01/07/2016
MSc	Mathematics	01/07/2016
MSc	Pharmaceutical Chemistry	01/07/2016

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	Nil	79

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Bio Membrane models: An Interface with Drug delivery Systems By Dr. Kalpana singh	29/07/2016	9
Bio Membrane models: An Interface with Drug delivery Systems By Dr. Kalpana singh	07/12/2016	12
Bio Membrane models: An Interface with Drug delivery Systems By Dr. Kalpana singh	03/02/2017	14
Good manufacturing practices in pharmaceutical industry By Dr. Arpan Bhardwaj	29/07/2016	8
Good manufacturing practices in pharmaceutical industry By Dr. Arpan Bhardwaj	07/12/2016	15
Good manufacturing practices in pharmaceutical industry By Dr. Arpan Bhardwaj	03/02/2017	13
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
PG Diploma	Yoga	59
MSc	Chemistry	19
MSc	Botany	4
MSc	Zoology	14
MSc	Pharmaceutical Chemistry	19
MSc	Mathematics	40
BSc	Chemistry	40
BSc	Botany	34
BSc	Biotechnology	29
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

1. Introduction :- Feedback is an essential part of all education processes. This feedback gives us very important information about all the processes and aspects of higher education. Feedback clearly and explicitly identifies what needs to be improved in order to solve the problem. 2. Sample and Tools :- Data is collected through questionnaires by randomly selected students of 6th sem of every faculty. Simple size was selected at whole population (Total numbers of students) of 6th sem students. A sample table is constructed as follows Table -1 Population and sample of 6th sem Program No. Of Student Sample B.Sc(Science) M.Sc (Chemistry) M.Sc (Botany) M.Sc (Zoology) M.Sc (Mathematics) M.Sc (Applied Microbiology) M.Sc (Pharmaceutical Chemistry) Tools :- Two feedback questionnaires are used for the analysis. First(1) Course assessment Questionnaire and Over all rating of programme by students Second(2).Overall rating of different segments. 3. Analysis and interpretation of the data:- The data analysis through the evolution of feedback scale questionnaire was interpreted on the basis of scoring table. The following table was developed for the statistical analysis of the questionnaire. Table-2 Scoring table to interpret Raw data. Range of Row Scale Percentage Interpretation 10Point 100-80 Very Good No. Of responses 79-50 Average 49-40 Very Poor Different Tables were prepared for different legends, Graphical Charts were prepared and the swoc analysis of the program is prepared based upon the data. The feedback is placed in the statutory body for analysis

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BSc	BSC PCM& CBZ	920	980	884
BCA	BCA	60	70	55
MSc	BOTANY	35	24	8
MSc	CHEMISTRY	40	52	36
MSc	APP MICRO	30	20	12
Nill	PH CHEM	50	25	19
MSc	MATHS	80	78	50
MSc	ZOOL	35	40	32
Nill	PGCQAM	30	10	3

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2016	2047	265	33	1	28

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
62	40	8	4	3	5

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

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

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

TEACHER GUARDIAN SCHEME IMPLEMENTATION THROUGH REGISTER OF MENTEE (ROM) SESSION 2016-17 Institute has a unique Teacher Guardian scheme under which every student has a particular teacher mentor who monitors the academic performance as well as well-being of the student and communicates regularly with the parents, to apprise them of their ward's performance and other related matters. TG regularly interacts with the student and help them feel comfortable especially when they are fresh in the first year. The name and contact number of the TG's are communicated to the parents, through students so that they can interact for any assistance and information desired. In addition there is a Counsellor who can assist students if they are facing stress and are getting mentally disturbed. Teacher guardians make a dedicated Register Of Mentee and enters all the mentee related information in that register. Parents are encouraged to write problems faced by their wards in the specified columns. Mentee also make themselves visible through Register of mentee (ROM). ROM helps in keeping the information intact and easily available as and when required. Mentee are in contact with the same mentor for 3 years, this makes them comfortable with the teacher and also help teacher in identification of specific problems related to mentee. Parent Teacher meet is a regular practice adopted by the teacher guardian cell. An exhaustive feedback is taken during the parent teacher meet and analysed. Feedback is kept in the statutory body also. Salient Features: • Six monthly meetings • Approximately 30 students clubbed with each teacher guardian • Strong Feed back mechanism Dr. NEELAM KAPIL COORDINATOR TEACHER GUARDIAN CELL

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2312	62	1:37

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
24	24	Nil	24	Nil

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

Year of Award	Name of full time teachers receiving awards from	Designation	Name of the award, fellowship, received from
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	state level, national level, international level		Government or recognized bodies
2016	Dr. Pradeep Lakhre	Assistant Professor	state level
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester- end/ year- end examination
MSc	C044	4th sem	05/06/2017	22/06/2017
MSc	C044	3rd sem	24/12/2017	Nill
MSc	C044	2nd sem	15/05/2017	Nill
MSc	C044	1st sem	17/12/2016	Nill
BSc	Bsc PCM CBZ	6th sem	29/05/2017	11/06/2017
BSc	Bsc PCM CBZ	5th sem	19/12/2016	Nill
BSc	Bsc PCM CBZ	4th sem	26/05/2017	18/07/2017
BSc	Bsc PCM CBZ	3rd sem	21/01/2017	20/04/2017
BSc	Bsc PCM CBZ	1st sem	25/05/2017	11/08/2017
BSc	Bsc PCM CBZ	IInd sem	20/12/2016	15/03/2017
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

REFORMS INITIATED ON CONTINUOUS INTERNAL EVALUATION SYSTEM AT THE INSTITUTIONAL LEVEL. Evaluation is fundamental to assess the learning outcome of teaching and this positively determines the extent to which the learning objectives are realized. Evaluation help learner to improve his/her achievement scholastic as well as co scholastic. Continuous and comprehensive Evaluation at institutional level covers all aspects of student development and not only focuses on rote theoretical learning. CCE accounts for 15 of the total marks per subject.

Following are the CCE modes which can be used for Internal evaluation.

Following modes are used for UG Classes Assignment Chart Objective Test Semi Surprise Test Mock Test Short Answer type Questions Library Reading Poster Questionnaire Role play PPT Following modes are used for PG Classes Book Review/ Bibliography Report writing PPT Research Paper Writing Field Projects Auto Biography Class Room Teaching Open Book System test Assignment Chart Objective Test Semi Surprise Test Mock Test Short Answer type Questions Library Reading Poster College prepares a Comprehensive calendar For CCE and sticks to that. Different CCE modes are adopted for different courses during the complete tenure of the program. Modes are chosen to help student improve Scholastic and Co scholastic aspect thereby enhancing the overall personality of the student.

Class/ program UG Mode Class/ program PG Mode B.Sc.I/II Sem Objective test PG I/II Semi Surprise Test Mock Test Short Answer type Questions Book Review / Bibliography Assignment PG V/VI Research Paper writing Field Project PPT/ Assignment Semi surprise test Modes per class which are based upon tests are evaluated depending upon the evaluation method declared like open book or closed book type. All other modes have participation of students in evaluation too. Evaluated answer sheets are shown to students and if there are grievances they are attended. Online CCE marks are entered only after CCE Report sheets

are duly signed by the students. Mock Test Poster B.Sc III/ IV Sem Chart Short answer type Assignment PPT B.Sc V/VI Sem Role play poster Assignment

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

Academic Calendar is provided by the Department of Higher Education Govt. Of M.P. prior to the beginning of Academic year. Academic calendar has provisions for conducting theory classes, CCE , practical exams, end semester exams, Sports activities, Cultural activities, youth festival Semester break and summer holidays. There is admission cell, academic council as well as examination cell in the college which takes care of the implementation of academic calendar in the college. College strictly adheres to the academic calendar and organizes all the activities within the provided schedule. Teachers prepare and exhibit lesson plan on the notice board to acquaint students with the curricular plan defined in the academic calendar, a prior notification of the plan of the syllabus to be completed, teaching methodology to be adopted by the specific teacher and evaluation method to be used is notified to the students through lesson plan. College releases it's own calendar for different activities in synchronization with the academic calendar . Sports Calendar Cultural Calendar Career activities Calendar CCE Schedule Calendar Practical Exam Calendar Examination schedule is prepared and declared by the university for the whole university jurisdiction. University also notifies about the online entry of marks to be completed by the college viz CCE marks and practical marks.

2.6 – Student Performance and Learning Outcomes

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

https://29e32a53-6582-4810-9c1d-bc94fcfa2cb3.filesusr.com/ugd/ccbcb0_bdcd3d6eba404a9ba2a18b59c941018d.pdf

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
BSC	BSc	PCM&CBZ	423	414	97.87%
C044	MSc	CHEMISTRY	23	23	100%
C030	BCA	BCA	29	29	100%
C053	MSc	Drug Pharma	17	17	100%
C043	MSc	Botany	11	11	100%
C050	MSc	Maths	31	29	93%
C056	MSc	Zoology	20	19	99%
C051	MSc	Appl. Micro	8	8	100%

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2.7 – Student Satisfaction Survey

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

https://29e32a53-6582-4810-9c1d-bc94fcfa2cb3.filesusr.com/ugd/ccbcb0_5e279cf17c2340d3a72ec56271815aca.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Interdisciplinary Projects	00	NIL	0	0
Industry sponsored Projects	00	NIL	0	0
Projects sponsored by the University	00	NIL	0	0
Students Research Projects (Other than compulsory by the University)	04	Govt. Madhav Science P.G. College Ujjain	0	0
Major Projects	2	M.P. Council of science technology	268000	0
Minor Projects	2	UGC	310000	0

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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
WORKSHOP ON DRUG DISCOVERY TECHNOLOGY https://29e32a53-6582-4810-9c1d-bc94fcfa2cb3.filesusr.com/ugd/ccbcb0_10a4e7a7d20f4b26b4f9e3819aa49547.pdf	Chemistry Pharmaceutical Chemistry Biotechnology Bioinformatics	11/09/2016
Workshop on HPLC https://29e32a53-6582-4810-9c1d-bc94fcfa2cb3.filesusr.com/ugd/ccbcb0_22ef62b8a9ea4bc2bbae8fbd39ea9e61.pdf	Chemistry Pharmaceutical Chemistry	18/10/2016
Research Internship in Chemistry https://29e32a53-6582-4810-9c1d-bc94fcfa2cb3.filesusr.com/ugd/ccbcb0_d84ad6ba6c6a4bb980a0c43f18e1407c.pdf	Chemistry	05/11/2016

'Awareness Training on WHO GMP guidelines for Pharmaceutical product's https://29e32a53-6582-4810-9c1d-bc94fcfa2cb3.filesusr.com/ugd/cbcb0_6a53ef2034e64fcdaa174719b76b40a9.pdf	Pharmaceutical Chemistry	02/09/2016
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3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
00	00	00	Nil	NIL
No file uploaded.				

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
01	Swavlamban	NIL	NIL	NIL	Nil
00	NIL	NIL	NEOZENITH CONSULTING SERVICES GAUTAM KISHOR SHARMA http://www.neozenith.in/aboutus.html http://www.indiamart.com/company/51105779/enquiry.html https://in.linkedin.com/in/neozenith-corporation-786261188	Services.. Services about professional, scientific and technical activities	01/01/2017
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
00	00	00

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
CHEMISTRY	1
Botany	1
Zoology	1

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

Type	Department	Number of Publication	Average Impact Factor (if
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			any)
International	CHEMISTRY	23	2.4
International	Botany	7	00
International	Zoology	4	00
International	Physic	1	00
International	Bioinformatics	1	00
International	English	8	00
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Dr. Jeeven Singh Solanki	1
Dr. Pinki Dwivedi	1
Dr. H.S.Dwivedi	1
Dr. Jeeen Singh Solanki ISBN 978132955376 Basics of Pericyclic reactions	1
Dr. Arpan Bhardwaj:	1
Dr. Ajay M. Chaturvedi	1
Dr. Jeevan Singh Solanki	1
Dr. Kalpana Singh	1
Dr. Ajay Chaturvedi	1
View File	

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
ZIKA VIRUS SERINE PROTEASE COMPLEX (NS2B-NS3) INHIBITION BY 2-AMINO-5- {[(1Z) -AMINO ({[(Z) -BENZOYL] IMINO}) METHYL] AMINO} -N- (5-AMINO-7 -{ [CARBAMO YL	Dr. Kalpana Singh Dr. Jeeven Singh Solanki	Asian J Pharm Clin Res, Vol 10, Issue 5, 2017, 210-213	2016	1	Govt. Madhav Science P.G. College Ujjain	1

(PHENYL) METHYL] AMINO} -6- OXOHEPTYL) PENTANAMID E, IN SILICO STUDIES						
Kinetic Investigat ion Of Micellar Promoted Pyridine Based Oximate And Hydrox amate Catalysis On Phospho triester Pesticides	Dr. Rekha Nagwanshi	Catalysis Letters 2017, 147, 602-611	2016	1	Govt. Madhav Science P.G. College Ujjain	1
Hydrolytic Cleavage Of Paraoxon By Octanoh ydroxamate Ion In Cationic M icroemulsi ons	Dr. Rekha Nagwanshi	Inter. J. Chem. Kinetics 2016, 48, 601-608	2016	1	Govt. Madhav Science P.G. College Ujjain	1
Antibact erial Properties Of Amino Acid Funct ionalized Silver Nan oparticles Decorated On Graphene Oxide Sheets	Dr. Rekha Nagwanshi	Spectroc himicaActa Part A: Molecular and Biomol ecular Spe ctroscopy 2017, 281, 47-54	2016	24	Govt. Madhav Science P.G. College Ujjain	24
Green Lu minescent Cdte Quantum Dot Based Fluorescen ce Nano- Sensor For Sensitive Detection	Dr. Rekha Nagwanshi	Journal Of Fluores cence 2017, 27,781-789	2016	22	Govt. Madhav Science P.G. College Ujjain	22

Of Arsenic (Iii)						
Mn ²⁺ Doped-CdTe/ZnS Modified Fluorescence Nanosensor For Detection Of Glucose	Dr. Rekha Nagwanshi	Sensors and Actuators B: Chemical 2017, 245, 196-204	2016	18	Govt. Madhav Science P.G. College Ujjain	18
Surface Plasmon Resonance Based Spectrophotometric Determination Of Medicinally Important Thiol Compounds Using Unmodified Silver Nanoparticles	Dr. Rekha Nagwanshi	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 2017, 179, 155-162	2016	11	Govt. Madhav Science P.G. College Ujjain	11
Protein Nanoparticle Interaction: A Spectrophotometric Approach For Adsorption Kinetics And Binding Studies	Dr. Rekha Nagwanshi	J. Molecular Structure 2016, 1117, 300-310	2016	10	Govt. Madhav Science P.G. College Ujjain	10
Influence Of Octanohydroxamic Acid On The Association Behavior Of Cationic Surfactants : Hydrolytic Cleavage Of Phosphate	Dr. Rekha Nagwanshi	J. Mole. Liq. 2016, 221, 805-814	2016	6	Govt. Madhav Science P.G. College Ujjain	6

Ester						
Molecular Docking Studies Of Deacetylbi sacodyl With Intestinal Sucrasemal tase Enzyme	Dr. Kalpana Singh	Journal Of Chemical And Pharma ceutical R esearch201 6, 8(11): (70-74). Issn : 0975-7384	2016	5	Govt. Madhav Science P.G. College Ujjain	5
View File						

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Antibact erial Properties Of Amino Acid Funct ionalized Silver Nan oparticles Decorated On Graphene Oxide Sheets	Dr. Rekha Nagwanshi	Spectroc himica Acta Part A: Molecular and Biomol ecular Spe ctroscopy 2017, 281, 47-54	2016	8	24	Govt. Madhav Science P.G. College Ujjain
Green Lu minescent Cdte Quantum Dot Based Fluorescen ce Nano- Sensor For Sensitive Detection Of Arsenic (Iii)	Dr. Rekha Nagwanshi	Journal Of Fluores cence 2017, 27,781-789	2016	8	22	Govt. Madhav Science P.G. College Ujjain
Mn2 Dope d-Cdte/Zns Modified F luorescenc e Nanosensor For Detection Of Glucose	Dr. Rekha Nagwanshi	Sensors and Actuators B: Chemical 2017, 245, 196-204	2016	8	18	Govt. Madhav Science P.G. College Ujjain
Surface Plasmon	Dr. Rekha	Spectroc himicaActa	2016	8	11	Govt. Madhav

Resonance Based Spectrophotometric Determination Of Medicinally Important Thiol Compounds Using Unmodified Silver Nanoparticles	Nagwanshi	Part A: Molecular and Biomolecular Spectroscopy 2017, 179, 155-162				Science P.G. College Ujjain
Protein Nanoparticle Interaction: A Spectrophotometric Approach For Adsorption Kinetics And Binding Studies	Dr. Rekha Nagwanshi	J. Molecular Structure 2016, 1117, 300-310	2016	8	10	Govt. Madhav Science P.G. College Ujjain
Influence Of Octanohydroxamic Acid On The Association Behavior Of Cationic Surfactants : Hydrolytic Cleavage Of Phosphate Ester	Dr. Rekha Nagwanshi	J. Mole. Liq. 2016, 221, 805-814	2016	8	6	Govt. Madhav Science P.G. College Ujjain
Molecular Docking Studies Of Deacetylbiacodyl With Intestinal Sucrasemal tase Enzyme	Dr. Kalpana Singh	Journal Of Chemical And Pharmaceutical Research 2016, 8(11): (70-74). Issn : 0975-7384	2016	2	2	Govt. Madhav Science P.G. College Ujjain
	Dr.	Inter.	2016	8	1	Govt.

Hydrolytic Cleavage Of Paraoxon By Octanohydroxamate Ion In Cationic Microemulsions	Rekha Nagwanshi	J. Chem. Kinetics 2016, 48, 601-608				Madhav Science P.G. College Ujjain
Kinetic Investigation Of Micellar Promoted Pyridine Based Oximate And Hydroxamate Catalysis On Phosphotriester Pesticides	Dr. Rekha Nagwanshi	Catalysis Letters 2017, 147, 602-611	2016	8	1	Govt. Madhav Science P.G. College Ujjain
ZIKA VIRUS SERINE PROTEASE COMPLEX (NS2B-NS3) INHIBITION BY 2-AMINO-5-{{[(1Z)-AMINO({[(Z)-BENZOYL]IMINO})METHYL]AMINO}-N-(5-AMINO-7-{{[CARBAMOYL(PHENYL)METHYL]AMINO}-6-OXOHEPTYL)PENTANAMIDE, IN SILICO STUDIES	Dr. Kalpana Singh Dr. Jeeven Singh Solanki	Asian J Pharm Clin Res, Vol 10, Issue 5, 2017, 210-213	2016	205	1	Govt. Madhav Science P.G. College Ujjain
View File						

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

Number of Faculty	International	National	State	Local
Attended/Semi	7	28	Nil	2

nars/Workshops				
Presented papers	7	7	Nil	Nil
Resource persons	Nil	10	Nil	Nil
View File				

3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Competition quiz and Essay competition	Arunodaya Society (Flagship program EEHSAS)	2	50
NCC Day (27 Nov 2016) Swacchta Abhiyan	NCC (Flagship Program ViSTAR)	3	108
World AIDS day (2Dec) (Nukkar Natak Poster Competition quiz and Essay competition)	NCC NSS Arunodaya Society (Flagship program EEHSAS)	6	130
12 Aug 2016 Blood Donation Camp	NSS, Civil Hospital and students (Flagship program EEHSAS)	6	55
13 Aug 2016 Essay Competition	NSS	8	48
01 Oct 2016 Blood Donation Camp	NSS, Civil Hospital (Flagship program EEHSAS)	12	55
NIC Camp	NCC	3	3
16 July 2016 Plantation 50 plants	NSS and District collectorate under the Leadership of Collector Ujjain Kavindra Kiyawat NCC (Flagship Program ViSTAR)	10	88
NSS founder day (24/09/2016)	NSS unit of the college	6	100
View File			

3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
FOR Showing	Vikramaditya	Govt. of Madhya	3

extraordinary and exemplary courage during a social act of bravery	Alankaran Award https://www.naidunia.com/madhya-pradesh/ujjain-tu-sl-1056451	Pradesh V16R166050344 V14R396050015 V15R366050015	
Essay Competition	Vikramaditya Alankaran Award https://www.naidunia.com/madhya-pradesh/ujjain-tu-sl-1056451	Govt. of Madhya Pradesh V16R166050344 V14R396050015 V15R366050015	3
Essay Competition	First Prize	Sahitya Academy, Mdhya Pradesh Sanskriti Parishad Bhopal	1
Slogan Competition in DIGI Dhan Mela	First Prize Second Prize	District Administration V16R166050473 V14R166050628	2
Poster Competition in DIGI Dhan Mela	Second Prize	District Administration V16R166050541	1
State Level Leadership Camp Organized by state NSS at REHLI SGAUR 04/03/2017 TO 10/03/2017	Participation by volunteer	Madhya Pradesh State Unit of NSS V14R166050675	1
Tracking Camp Manali	Participation by Volunteer	State N.S.S. Unit V14R166050228	1
Special National Integration Camp Delhi	Participation by NCC Cadets	N.C.C. V14R166050628	2
Advance Leadership Camp	Participation by NCC Cadets	N.C.C. V14R166050624 V16R166050089 V16R166050237 V11R166010071	4
National Football Camp	Participation by N.C.C. Cadet	N.C.C. V13R166050545	1
View File			

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
AIDS Awareness	NCC NSS Rd Cross Society Arunodaya Society (Flagship program EEHSAS)	World AIDS day (2Dec) (Nukkar Natak Poster Competition, Chart and slogan competition)	6	130

		quiz and Essay competition) Awareness through expert Lecture		
Swacch Bharat	NCC NSS	NCC Day(27Nov 2016) Swacchta Abhiyan Students carried out Cleanliness drive for 2 hours daily in the month of October Lecture on Mahtma Gandhi and His vision on swacchata	18	160
Cleaning of Triveni Ghat and Rudhra Sagar under swaccha bharat abhiyan	NCC	Cleaning of Triveni Ghat and Rudhra Sagar	4	87
Gender Issue	NSS	Lecture on Gender Sensitization 24/09/2017	4	48
Gender Issue	Grievance Redressal cell	Sensitization important for Boys than girls : 1 day workshop on gender sensitization 14/10/2016	12	32
Digital India Movement	NSS and Vikram University	Digital India Workshop	2	10
Digital India Movement	NSS and SBI	Awareness for E Banking	28	100
Digital India Movement	DIGI Dhan Mela District Administration	Participation in DIGI Dhan Mela	9	129
Lecture Series	NSS and Pandit Kunjilal Dubey National Cabinet	Lectures on Cabinet process (18 Jan 2017) Lectures by Dr. Ashok Bhargav Additional Commissioner Ujjain Dr. Satish Gaur Rert. Principal	20	56

		and Professor Political Science		
Blood Donation Camp	NSS Red Cross Club District Hospital	Blood Donation Camp 01/10/2016	18	110
View File				

3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Student Exchange Research Internship in Chemistry	41	Janabhagidari Samiti	12
Workshop on HPLC	125	Janabhagidari Samiti Academic and Technical Support by PGTECH Research Institute Indore	15
View File			

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Academic	Research Collaboration	Himalaya International Ltd. Paonta Sahib Himachal Pradesh	01/06/2016	30/05/2017	30
Academic	Research Collaboration	PGTECH Research Institution Indore	01/06/2016	30/05/2017	62
Academic	Research Collaboration	Surya Group of Companies GIDC Ankleshwar Gujrat	01/06/2016	30/05/2017	48
cocarriculer activities	promotion of yoga for overall fitness	yoga life society	01/06/2016	30/05/2017	78
View File					

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate

houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
PGTECH Research Institution Indore	01/06/2016	Training/ workshops/ Projects/knowledge sharing	62
Surya Group of Companies GIDC Ankleshwar Gujrat	01/06/2016	Research Collaboration and carrying out Dissertation	48
Himalaya International Ltd. Paonta Sahib Himachal Pradesh	01/06/2016	Research Collaboration and carrying out Dissertation	30
cocarriculer activities	01/06/2016	yoga life society	78
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
12315475	281394

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Laboratories	Existing
Seminar Halls	Existing
Seminar halls with ICT facilities	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Classrooms with Wi-Fi OR LAN	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
No file uploaded.	

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
SOUL	Partially	00	2021

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text	36203	18955500	130	50000	36333	19005500

Books						
Reference Books	644	82290	Nil	Nil	644	82290
e-Journals	5	Nil	10	Nil	15	Nil
Weeding (hard & soft)	67	4978	Nil	Nil	67	4978
Journals	15	Nil	Nil	Nil	15	Nil
Digital Database	52	Nil	16	Nil	68	Nil
e-Books	50	Nil	85	Nil	135	Nil
View File						

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr. Kalpana Singh	non equilibrium thermodynamics	PPT hosted on slide share	18/08/2016
Dr. Kalpana Singh	Enzymes	PPT hosted on slide share	23/09/2016
Dr. Kalpana Singh	Application of spectroscopy to inorganic molecules	PPT	26/09/2016
View File			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	124	2	5	8	1	2	19	100	0
Added	24	0	0	4	0	0	0	100	0
Total	148	2	5	12	1	2	19	200	0

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

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
NIL	00

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary

component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
327743	327743	1237957	1237957

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

4.4.2 Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website . https://29e32a53-6582-4810-9c1d-bc94fcfa2cb3.filesusr.com/ugd/ccbcb0_739322232362461fb36db8d14d348854.pdf The physical, academic and support facilities in college are well maintained and augmented through well chartered procedures and policies, the optimum utilization of all these facilities to the maximum benefit of students as well as teaching and non-teaching staff lies in the core of constitution of these policies. There are different committees to take care of different facilities.

1. LIBRARY: College has a well-developed library with two sections. One section is utilized for reading lending and borrowing of books, this has reprographic facility. There is a librarian and library committee which seeks suggestions from the teachers for purchase of books through HOD. Library committee completes the physical verification of Library by 31st March of every year and recommends the books for writing off. Library committee also takes care of the maintenance of library by fumigation and anti-termite treatment every year. Second section is dedicated to e library it has 30 computers connected in a Lan to a server. NLIST ID and password is provided to all teachers .Registers are kept in the manual section as well as in e library to record the footfall of students as well as teachers. All PG departments have their own departmental library ILS (Interlibrary services) are well practiced through central library, this helps research scholars of different departments in their interdisciplinary research, 2. LABORATORY: Laboratories are developed and maintained by the respective departments. Equipments are purchased and maintained as per the need of the particular departments. There is a purchase committee which takes care of the purchase related affairs as per the purchase rules provided by DHE and Gross financial rules published by the govt. from time to time. College has separate UG and PG laboratories to address specific demands of UG and PG students, there is an advanced instrumentation Research Lab in the college with sophisticated advanced equipment like IR (Brooker alpha) , UV (LabIndia), Microwave Synthesis, Incubation chambers, HPLC, PCR, GELDOC etc. This laboratory is operated under the guidance of a senior professor, certified Laboratory Technician is appointed in the laboratory to operate and maintain equipments. Laboratory provides opportunity to all the research scholars and faculty of the college to work on the sophisticated equipments. Research scholars from outside the college are also permitted to work on the equipments after taking permissions from the competent authority. A register is prepared where all the usages are recorded. Interdepartmental use of Laboratories and classrooms is always permitted and encouraged. 3. COMPUTERS: College has 2 computer laboratories developed and maintained by department of Computer science and computer application, along with e library and individual computers in the departments. These computer labs are maintained by the self-finance budget of Janabhagidari, and utilized after regular classes for conducting computer based seminars and workshops. These are also used as browsing nodes by non-computer science students also.

<https://29e32a53-6582-4810-9c1d->

[bc94fcfa2cb3.filesusr.com/ugd/ccbcb0_739322232362461fb36db8d14d348854.pdf](https://29e32a53-6582-4810-9c1d-bc94fcfa2cb3.filesusr.com/ugd/ccbcb0_739322232362461fb36db8d14d348854.pdf)

CRITERION V – STUDENT SUPPORT AND PROGRESSION**5.1 – Student Support**

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	00	0	0
Financial Support from Other Sources			
a) National	Post metric SC	398	3929297
b) International	00	Nil	0
View File			

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Induction	01/07/2016	728	college
Training Coordinator M.P. from IIT Bombay Ms. Priyanka Shroff website	01/08/2016	554	The Directorate of Technical Education Madhya Pradesh in association with Spoken Tutorial Project Team of IIT Mumbai
Personal counselling	01/07/2016	232	An initiative of National Mission on Education through Information and Communication Technology (NME-ICT), MHRD, Government of India to promote IT literacy through open source software
Spoken Tutorials	01/08/2016	600	An initiative of National Mission on Education through Information and Communication Technology (NME-ICT), MHRD, Government of India to promote IT literacy through open source software.
Personality Development	06/02/2017	52	IIJT, Indore

Yoga Workshop	12/01/2017	72	Personality development cell of the college
bridge class	01/07/2016	632	College
Mentoring	01/07/2016	1943	College Teachers
Writing computer programmes in CC	17/08/2016	36	BCA Department
View File			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2016	Lecture series on NET/SLET Examination	40	480	2	53
2016	One Day Workshop on Management Entrance Exam	26	Nil	Nil	Nil
2016	Lecture on Banking and Railway exam	32	Nil	Nil	Nil
2016	Entry to Defence Services	180	Nil	1	Nil
2016	Entry to police Services	70	Nil	2	Nil
2016	Lecture on UPSC & PSC Examination	18	Nil	Nil	Nil
2016	Career option available after UG	Nil	58	Nil	Nil
2016	Opportunities in higher education	Nil	62	Nil	Nil
2016	National & international scholarships available after UG &	Nil	56	Nil	Nil

	PG				
2016	Lecture to promote self employment	Nill	104	Nill	Nill
View File					

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
6	6	7

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
EWAY Indore/ Ripples Advisory Pvt. Ltd. Indore	52	15	TCS, Indore	8	1
View File					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2016	Nill	00	00	School of Studies in Chemistry	P G Course in Chemistry
2016	Nill	00	00	Govt. Madhav Science P.G. College Ujjain	P G Course in Applied Microbiology
2016	Nill	00	00	Govt. Madhav Science P.G. College Ujjain	P G Course in Botany
2016	Nill	00	00	Govt. Madhav Science P.G. College Ujjain	P G Course in Mathematics
2016	34	B.Sc Program Govt. Madhav	Chemistry Botany zoology	Govt. Madhav Science	P G Course in Chemistry

		Science College, Ujjain	physics Mathematics	P.G.College Ujjain	
2016	Nil	00	00	Govt. Madhav Science P.G.College Ujjain	P G Course in Pharmaceutical Chemistry
View File					

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

Items	Number of students selected/ qualifying
NET	1
SET	3
CAT	2
Any Other	7
View File	

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

Activity	Level	Number of Participants
Musical Instrumentation perception	Inter College	1
Poster	Inter College	1
Musical Instrumentation non perception	Inter College, District Level Youth Festival	1
Music Vocal solo Indian	Inter College	1
Music Vocal Group Song Indian	Inter College	7
Music Vocal Group Song western	District Level	4
Music Solo Classical	District Level	1
SOLO Singing(western)	Inter College	1
View File		

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
Nil	00	Nil	Nil	Nil	00	00
No file uploaded.						

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

5.3.2 Activity of Student Council representation of students on academic administrative bodies/committees of the institution (maximum 500 words) Student Council is the main student organization present on the Higher Education

campuses with the purpose of providing services to students and acts like a bridge between the Students and Governing body of the college. Generally Students council is an elected body having students from all fields, Since 2006 indirect method of election as per Supreme Court's order on the implementation of the Lyngdoh Committee report are franchised in the state, however due to some administrative decisions affiliated to the Department of Higher education Govt. of M.P. Student council elections are not held in the state in 2015-16. Students are represented in various committees and clubs through nominations by the principal of the college on recommendation of the respective committee coordinators. Committee Coordinators invite registrations from the students desired to be associated with the respective committees and clubs as per their interest areas. Students are the members of all committees and participate in decision making, being one of the most important stakeholder. Students have their say in the financial decisions also as 2 students are the members of Amalgamated fund committee. Two students are members of IQAC also. Other committees also have student representations. Students are in the steering seat for organization of Annual Function and youth festival. Every committee has a teacher coordinator as well student coordinator. Students are also in the Editorial board of the Pragya the college Magazine. Committees with active participation of students are ? Amalgamated Fund ? Internal Quality Assurance Cell ? Sports ? Cultural and Literature club and Committee ? Pragya College Magazine Editorial Board ? Science Association ? Annual Function and Youth festival ? Alumni Association ? Anti-Ragging ? Discipline Committee.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

3234

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

207424

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni meet 02

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

6.1.1.1 Mention two practices of decentralization and participative management during the last year (maximum 500 words) Committees with Faculty and Student Participation for administrative work and conduction of examination Participative management and decentralization of management is ensured through various committees which have members from faculty as well students. There are administrative, academic , sports , extension and co-curricular committees headed by coordinators or HODs. These coordinators and HODs are respectively responsible for calling meetings of their corresponding committees and have full power to take decisions in the presence of principal. Staff Council is responsible to take policy decisions and every staff member has his/her say in the staff council. Important committees like RUSA and Janabhagidari has nodal officer along with other members to take care of related administrative work. Internal Examination cell prepares the calendar for CCE and Practical Exams

dates are decided through a well chartered procedure, Departmental meetings are organized by HODs to decide upon the dates , HOD communicates these agreed upon dates in the meeting called by examination Cell In charge and the calendar is prepared and communicated to all departments after signature by the principal. Scholarship Disbursal: Scholarship form forwarding and disbursal is one of the most cumbersome and diligent task, executed by the college administration. 90 of the college students get Scholarships/ awards or benefits under one or the other schemes which includes Post Matric SC, ST, OBC, Gaon ki Beti, Pratibha Kiran, Awaas Yojna, Awagaman Yojna, Vikramaditya, Central Sector, Aggregated Scheme etc. This Year a nodal officer was appointed amongst the faculty not less than the designation of Associate Professor to take care of these schemes.

Different subcommittees are constituted under Nodal officer for different scholarships. There are members from class III section also. Different teams were made for Form forwarding, Form Collection and then finally forms are approved by the principal and sent online to respective scholarship providing organizations for scholarship sanction to students. Form Forwarding officers are faculty which are notified through meetings and formats about the important documents to be submitted with scholarship forms . The participative management applied to scholarship disbursal has reduced the time required in the whole procedure, This made it possible to disburse scholarships on time.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	? Curriculum Development Curriculum is provided by the department of Higher education Govt. of M.P. For traditional courses, University provides the curriculum for self finance subjects which is being developed by the board of studies of the university, many teachers are the members of board of studies of University. Curriculum is implemented imbibing different methodologies. Curriculum for value added courses is developed by the college and approved by the academic counselling board of the college. The curriculum of value added courses is developed keeping in view the market orientation of the parent subject. Curriculum for P.G. Courses is also designed by the affiliating university and teachers are the members/ Chairpersons board of studies
Teaching and Learning	? Teaching and Learning. Teaching and learning procedure in the college are a mixed blend of traditional, modern and ICT based methods. Depending upon the topic to be covered teachers notify their mode of teaching to students. Lesson plans are prepared by teachers and notified to students well in

advance to make teaching more participative and student centric, students are informed about flip classes well in advance. Different teaching methodologies like traditional teaching through board, ICT, experiential learning, project based teaching, workshops and seminars are used.

Examination and Evaluation

? Examination and Evaluation Examination forms are filled online, enrolment process is also online, CCE as well as practical examination marks are entered online and send to university for further processing. Different CCE modes are utilized for internal evaluation of different classes. Evaluation is done through different innovative methods like open book system, students has participation in the evaluation mechanism a cumulative judgement sheet is prepared and marks are communicated to the individual student. End semester Examination is Conducted in the shift as decided by the university a team having senior professors is appointed to conduct examination. The examination protocol is as follows Centre Superintendent Shift Superintendent Asstt Shift Superintendent one @ 300 students Permanent Invigilator @ shift Invigilator one @ 25 students

Research and Development

? Research and Development College is recognized research centre in 04 subjects Botany, Zoology, Chemistry and Maths. 12 professors are research supervisors in these 04 subjects 44 students are registered for Ph.D. under these research supervisors 13 Ph.Ds are awarded. Apart from these teachers Dr. R.K.Neema Professor Economics and Principal of the college Dr Usha Shrivastava professor Political Science are also recognised guides with research centres at other centres. College has a research and development cell which takes care of Research and development related activities. One Minor Project sponsored by UGC and one RD project sponsored by MPCST is approved in department of Chemistry in 2015-16. Research and development cell motivates teachers to submit research proposals to different funding agencies. One major project is submitted to DST for funding in

2015-16. Students are also promoted to opt for small research based projects to strengthen RD ecosystem of the college.

Library, ICT and Physical Infrastructure / Instrumentation

? Library, ICT and Physical Infrastructure / Instrumentation College Library is automated through SOUL software. College has NLIST membership and teachers can use NLIST. College has e library with 30 computers. E library provides access to educational websites and e content. Library has partial open access and provides for reprographic facility. Library operating hours are from 10.00 a.m to 6.00p.m. in the regular working days and from 8.00 a.m. to 7.00 p.m. in the examination days. College librarian helps students in lending and borrowing books from the library. PG department have their own libraries which are looked after by the faculty of the department.

Human Resource Management

? Human Resource Management Human Resource is managed by the Department of Higher education Govt. of M.P. Permanent appointments lies in the domain of DHE only. Department advertises the vacancies and provides appointment after following due defined procedure through Vyapam or PSC. DHE arranges for the guest faculty against vacant teaching posts. The process is online and there is a chartered mechanism for this Guest faculty for self finance subjects are appointed through advertisement as per process chalked out by the DHE https://29e32a53-6582-4810-9c1d-bc94fcfa2cb3.filesusr.com/ugd/ccbcb0_2e53e783061848609530db6ddbcd6975.pdf

Industry Interaction / Collaboration

? Industry Interaction / Collaboration Through RD workshops / consortium participation MOU signed with Industry for Research/ Internship / trainings Industry Catalysed Lectures IQAC meetings

Admission of Students

? Admission of Students Admissions are through online admission portal managed and hosted by DHE Govt. of M.P. by a well chartered procedure.https://29e32a53-6582-4810-9c1d-bc94fcfa2cb3.filesusr.com/ugd/ccbcb0_e00de864574c4708bf48dabe8cc69a18.pdf Rules are framed by DHE which takes into account reservation policy updated time to time

by the govt. Generally admission is completed in a three step process. Last step is college level counselling. All admissions to the opening batch of the respective programs are completed by 15th of August.

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

E-governance area	Details
Planning and Development	? Planning and Development Budget for different schemes are allocated by the DHE, Proposals are invited online through email id provided by DHE and college adheres to that , depending on the quality and need assessment budget and different development schemes are sanctioned. College has its website hosted on NIC.
Administration	? Administration Different Committees are constituted and displayed on the website, Coordinators are informed about the various issues related to their committees through mails, For different issues there are online discussion forums also.
Finance and Accounts	? Finance and Accounts Salary Component and other treasury related issues are taken care of through SWAN connectivity.
Student Admission and Support	? Student Admission and Support Admissions are through online admission portal hosted by Department of Higher Education Govt. of M.P. Scholarships are also taken care of through on line Scholarship portal Welfare schemes are also communicated to students through DHE website and College Website Avas Yojna execution is also through online process.
Examination	? Examination Online enrolment procedure Online Exam form submission Online Exam fees submission Online CCE marks Entry on University portal Online Practical marks entry on University portal

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2016	nil	nil	nil	Nil

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2016	Quality Assurance in Research	Quality Assurance in Research	11/07/2016	11/07/2016	16	16
2016	Research Proposal writing	NIL	12/10/2016	12/10/2016	18	Nil
2016	Scientific writing for indexed journals	NIL	08/12/2016	08/12/2016	21	Nil
2017	M.P.Store Purchase rules	NIL	06/01/2017	06/01/2017	12	Nil
2016	Proper stock entries	NIL	09/01/2017	Nil	5	Nil
2016	Purchase procedure	NIL	06/02/2017	Nil	5	Nil
2016	NIL	Handling on instrumentation	07/10/2016	07/10/2016	Nil	8

[View File](#)

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Scientific writing for indexed journals	21	08/12/2016	08/12/2016	01
Research Proposal writing	18	12/10/2016	12/10/2016	01
Quality Assurance in	16	11/07/2016	11/07/2016	01

Research				
Refresher course Chemistrty	1	02/07/2016	22/07/2016	20
Refresher course Physics	1	13/10/2016	28/10/2016	15
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nil	22	Nil	19

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Medical Reimbursement, Leave encashment, group insurance, duty leave to attend seminars/ conferences, Study leave, loans from GPF, Retirement benefits	Medical Reimbursement, Leave encashment, group insurance, loans from GPF, Retirement benefits	insurance, Scholarships, endowments, Awards, free ships, Beneficiary schemes.

6.4 – Financial Management and Resource Mobilization

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

<p>6.4.1 Institution conducts internal and external financial audits regularly (with in 100 words each) Yes College conducts internal and external financial audits regularly. There is an accounts committee which conducts internal financial audits. Accountant of the college prepares and submits financial accounts for audit. External audit is performed in two ways 1. Professionally hired Chartered accountant who is preferably approved and appointed on behest of the janabhagidari samiti performs the audit and submits it's report. External financial audit is also performed by a team of auditors from AGMP Gwalior</p>

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
nil	0	NA
No file uploaded.		

6.4.3 – Total corpus fund generated

17243503

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Department of higher	Yes	Academic Council

		Education Govt. of M.P.		
Administrative	Yes	Financial Audit is done by AGMP Gwalior	Yes	IQAC

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

6.5.2 Activities and support from the Parent – Teacher Association (at least three) ? Student Counselling ? Anti Ragging activities ? Personality development classes for students

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

6.5.3 Development programmes for support staff (at least three) ? Instrumentation Training for Laboratory Technicians ? Capacity building through ICT ? Empowerment through Digital India Knowhow

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

6.5.4 Post Accreditation initiative(s) (mention at least three) ? Skill Up gradation Program for Support Staff ? Structured Coaching classes for NET/SLET ? ICT enabled admissions, examination system and evaluation process

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2016	Awareness Training on WHO GMP guidelines for Pharmaceutical product's https://29e32a53-6582-4810-9c1d-bc94fcfa2cb3.files.usr.com/ugd/ccbcb0_6a53ef2034e64fcda174719b76b40a9.pdf	02/09/2016	02/09/2016	03/09/2016	37
2016	WORKSHOP ON DRUG DISCOVERY TECHNOLOGY Multidepartmental venture Chemistry, Pharmaceutical	08/09/2016	08/09/2016	12/09/2016	48

1 Chemistry, Biotechnology and Bioinformatics Co Organized the workshop https://29e32a53-6582-4810-9c1d-bc94fcfa2cb3.filesusr.com/ugd/ccbcb0_10a4e7a7d20f4b26b4

2016	Workshop on HPLC https://29e32a53-6582-4810-9c1d-bc94fcfa2cb3.filesusr.com/ugd/ccbcb0_22ef62b8a9ea4bc2bbae8fbd39ea9e61.pdf	04/10/2016	04/10/2016	18/10/2016	125
2016	Student Research Internship in Chemistry https://29e32a53-6582-4810-9c1d-bc94fcfa2cb3.filesusr.com/ugd/ccbcb0_d84ad6ba6c6a4bb980a0c43f18e1407c.pdf	03/11/2016	03/11/2016	05/11/2016	41
2016	National Consortium on economic aspects of Photonics https://29e32a53-6582-4810-9c1d-bc94fcfa2cb3.filesusr.com/ugd/ccbcb0_7130862d56b64c56a90bbd43d386380a.pdf	03/02/2016	03/02/2016	04/02/2016	478
2016	Celebration of International Year of	06/07/2016	01/07/2016	31/12/2016	126

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES**7.1 – Institutional Values and Social Responsibilities**

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Lecture on Gender Sensitization in one day workshop on Vivekananda and personality development	13/01/2017	13/01/2017	52	16
Quiz on Indian cultural values and moral values	30/09/2016	30/09/2016	30	50
???? ??? ????? ?????	03/08/2016	05/08/2016	20	47
??????? ??? ?????	03/08/2016	05/08/2016	38	52
????????????? ??? ????????????	03/08/2016	05/08/2016	40	68
??????? ?????????? ?? ???? ???? ???????	03/08/2016	05/08/2016	4	8
??????? ???? ??? ???? ???? ????? ???? ???? ?????	03/08/2016	05/08/2016	18	52
??????? ?????????? ??? ?????????	03/08/2016	05/08/2016	30	51
????? ??? ?????? ?????	03/08/2016	05/08/2016	54	36
????????? ?????????	03/08/2016	05/08/2016	28	12
?????????? ?? ????????????? ?????? ? ???? ?????	03/08/2016	05/08/2016	72	200
? ???? ?? ????? ? ?????	03/08/2016	05/08/2016	48	42

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

Percentage of power requirement of the University met by the renewable energy sources

7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as: Percentage of power requirement of the College met by the renewable energy sources The campus has solar panels and exterior lighting system is run through Solar power only, however it accounts for too less the component of power requirement of the college. However college has adopted eco restoration techniques the account of which is given under best practices.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	No	Nil
Ramp/Rails	Yes	1
Braille Software/facilities	No	Nil
Rest Rooms	Yes	1
Scribes for examination	Yes	2
Special skill development for differently abled students	No	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2016	25	1	16/07/2016	1	Tree plantation Drive in the campus	Tree plantation to increase the green envelope and binding	86
2016	Nil	1	20/07/2016	01	Tree Plantation Drive in the assigned areas	Tree plantation to increase the green envelope and binding capacity of soil to prevent soil leaching	128

2016	Nil	16	02/10/2016	75	Cleanliness drive at Triveni Ghat/ Gau Ghat and Rudra Sagar	Cleanliness drive at ghats and Rudra sagar to increase the holding and storage capacity of Ghats	67
2016	Nil	4	01/12/2016	15	Lecture on Clean and safe potable water (04	Lecture on Clean and safe potable water	52
2017	Nil	3	12/01/2017	18	Workshop on Water crisis management Society workshops	Workshops to demonstrate in society about proper usage of water and what can be done to preserve and conserve water	180

[View File](#)

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Student Charter For on campus in house students	01/07/2016	Student charter contains dos and don'ts in the college campus and guides students how to evolve through campus life. The charter provides a Explanation about all the activities on campus. It covers activities from admissions to graduation. A must have compendium is published in house in print and e format.
Career Guidance Booklet For Alumni For on campus in house students	01/07/2016	Available for students as well as alumni specifically for alumni

of latest batches. Contains information about Career opportunities after graduation, Options for higher education opportunities after graduation and scholarships available for higher education and Ph.D. The booklet contain information about Loan facility provided by DHE

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
''QUOMI EKTA SAPTAH'' to foster National harmony among students National Integration Activities Essay competition Slogan Patriotic Song Poster Competition	18/11/2016	25/11/2016	132
Activities to promote cleanliness among students and society	02/10/2016	12/12/2017	68
Developing Cognitive empathy Through social service based activities like Blood donation Camps Beti Bachao Disaster Management	01/10/2016	13/01/2017	108
View File			

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

- Expansion in green cover through regular plantation during rainy season and then conservation of green cover through various activities like regular care of plants
- Increasing the use of renewable energy (solar systems)
- Decreasing the carbon footprints through regular servicing and maintenance of electrical equipment
- Rain water harvesting
- Development of aqua culture lab in the campus: Indigenous aqua lab prepared and maintained by the students and staff of the college

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Describe at least two institutional best practices Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link GOVT. MADHAV SCIENCE P.G.COLLEGE

UJJAIN M.P. A GRADE ACCREDITED THROUGH NAAC DST-FIST COLLEGE BEST PRACTICE:
STRESS MANAGEMENT AND VALUE INCULCATION THROUGH YOGA https://29e32a53-6582-4810-9c1d-bc94fcfa2cb3.filesusr.com/ugd/ccbcb0_3675be34e3e74a618df0bd38a1836f64.pdf

CONTEXT: Today's college students are no exception to the modern world, they feel stress of our busy modern world. As per a study conducted 45 of the students said they experience more than average stress and 87 said they felt overwhelmed by all they had to do at least once in the previous year. Effects of the stress are, stressful themselves they may lead to symptomatic effects like upset stomach, headaches, exhaustion and difficulty sleeping or even there can be irritability, restlessness and depression. Some turn to drugs, alcohol, tobacco and food to deal with stress, but overindulging in any of these leads to more stress and the vicious cycle goes on to spoil a young brilliant budding mind. So it brings us to think that there must be something other than and with academics in perfect synchronization which must be done. Dating back to 5000 years, Yoga is considered by many to be the answer to stress related problems and as an oldest defined practice of self-development. Many studies have found that a little yoga can minimize stress and increase productivity. It is believed that yoga is so effective for stress relief because, aside from the physical benefits that yoga brings, it encourages a good mood, an increase in mindfulness, and a healthy dose of self-compassion.

OBJECTIVES: ? Stress management in students through practicing simple yoga methods ? Value inculcation and personality development through practicing Yoga ? Developing Empathy through practicing Yoga COLLEGE STRENGTH ? This has been the most striking feature of the college and over the years it earned name and fame to the academic circle. College has a formal MOU with INTERNATIONAL YOGA LIFE SOCIETY an institute which is recognised globally by International Yoga Alliance, European Yoga Confederation etc. Two staff members here in are Vice-Presidents and four teachers are recognised Yoga Teachers that train staff and students along with the services rendered to the society. College Staff and students participate in International Yoga Conferences and present research papers, they also help in various social service camps in nearby villages.

Regular YOGA CLASSES are conducted in college Gymnasium ? An E-Magazine (YOGANANTA) on Yoga is also published by UYLS which has touched 25000 mark in circulation. College staff members are the Editorial team of magazine ? The activities of college are recognised and reported in the Cycle- II report of NAAC team THE PRACTICE: ? Special Yoga Classes for students in the morning hours (01 hour classes) in batches. ? Yoga classes by Yoga instructors teachers as well as senior students who earn expertise through practice ? Different techniques found to reduce stress are used which includes • Controlled breathing • Meditation • Physical movement • Mental imagery • Stretching ? These simple yoga exercises has magical benefits , which includes • Reduced stress and anxiety • Sound sleep • Reduced cortisol levels • Improvement of many medical conditions • Allergy and asthma symptom relief • Lower blood pressure • Smoking cessation help • Lower heart rate • Spiritual growth • Sense of well-being • Reduced muscle tension • Increased strength and flexibility • Slowed aging process ? Special camps by registered students to old age helpage homes, special children's hostels, jails, Special schools. This inculcates empathy and values in these students

OBSTACLES FACED: ? Time, Yoga requires commitment and discipline, students sometimes find it hard to cope with regular theory and practical classes. ? Arrangement of Instructors from outside, financial provisions ? Family expectations STRATEGIES ADOPTED TO OVERCOME THEM: ? Slot adjustment in college timetable for yoga ? Yoga during the morning hours ? Taking help from qualified college teachers for Yoga classes

IMPACT OF THE PRACTICE: ? Improvement in the number of students enrolling for different career oriented workshops , as they are more cheerful ? Improvement in number of students placed ? Improvement in the merit positions ? Inclination towards more society oriented programs ? Establishment of SCP (Society Connect Program) in college in the session 2016-17 RESOURCES REQUIRED: Resources are provided by

the college apart from this no big resource is required for yoga ? Space for Yoga Practice ? Yoga Instructor ? Some e content like DVD for Yoga ? Books on Yoga BEST PRACTICE 2. GOVT. MADHAV SCIENCE P.G.COLLEGE UJJAIN M.P. A GRADE ACCREDITED THROUGH NAAC DST-FIST COLLEGE BEST PRACTICE ECO RESTORATION ADDRESSING CARBON FOOTPRINT CHALLENGE https://29e32a53-6582-4810-9c1d-bc94fcfa2cb3.filesusr.com/ugd/ccbcb0_55a9cdcedd334eelbe7750aa4cc46201.pdf

CONTEXT: Ecological restoration is the process that assists in the recovery of an ecosystem that is damaged, degraded or destroyed. Manipulation of biotic and abiotic variables play an important role in addressing the ecological restoration projects. Eco restoration includes the restoration of degraded forests specifically the reintroduction of native species and removal of non-native invasive one. Other efforts include reducing greenhouse gas emissions, increasing carbon sequestration and long term stability, slowing and reserving land and water quality degradation. College being a science college purely have students from different science fields like Chemistry, Botany, Zoology, Microbiology, Biotechnology, Bioinformatics, Physics, Mathematics and Computer science, recognizes its responsibility towards climate issues and eco restoration. Continuous and cautious efforts of students and staff of Govt. Madhav Science P G College has made this activity as a Best Practice.

OBJECTIVES: ? To make students understand about Ecological Restoration ? To make Students aware of Carbon foot print challenge ? To have sustainable eco restoration practices on campus ? Implementation of green practices like laboratory water neutralization and checking the soil quality on campus ? Organization of Community workshops led by students based on green energy and afforestation COLLEGE STRENGTH ? College has expert professors working in the area of green technologies and eco restoration ? College has a huge campus to have ecolaboratory for afforestation and development of green envelope ? College has a 1.2 acre of Aqua laboratory. THE PRACTICE: ? Construction of the 1.2 acre aqua lab by the college students over a period of 10 months to raise the ground water level. This has resulted in to recharging of the water of this area. ? Installation of solar water panels in the campus, to inculcate the use of green energy ? Plantation drive in the month of August, September and October. Plantation of native plants of Malwa region around campus to improve upon the green envelop with help from Forest Department ? Development of green Hillocks in the campus to stop runoff of soil during rainy season. ? Water treatment of laboratory water by checking ph to acidity or basicity to neutralize this water. ? Community Workshops with the help of NSS in the adopted village during 7 days special camp OBSTACLES FACED: ? Time constraint for the students opting for eco restoration, owing to their academic benchmark activities. ? Financial Resources involved STRATEGIES ADOPTED TO OVERCOME THEM: Academic Flexibility is provided to the students registered for the best practice by adjusting CCE Schedule and providing extra classes for workshop days and plantation drive days IMPACT OF THE PRACTICE: ? 1.2 acres aqua lab has been constructed. ? Recharged the ground water of the area. ? Area had an acute water scarcity a couple of years back .After the construction of lab the Bore-wells never dry up even in peak summer season . ? Installation of Solar Panels in the campus to reduce dependency on traditional energy sources for exterior lightning. ? Green Envelop around the campus

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

https://29e32a53-6582-4810-9c1d-bc94fcfa2cb3.filesusr.com/ugd/ccbcb0_0ebd1cc4692b484b96d949ca764eaa93.pdf

7.3 – Institutional Distinctiveness

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

Practicing Science through Science Fests and Social Labs: College is one of the biggest colleges in the Ujjain region and it is the only college catering specifically to science students in the Ujjain region. College believes in nurturing young minds, in a way that they can have an edge for environmental issues while practicing science with their scholastic aptitude. Here emphasis is not only on studying and practicing science in Laboratories but focus lies on bringing research from labs into the society. College through its conscious effort has developed an ecosystem where social labs have become an indistinguishable component of teaching, learning and evaluation mechanism. UNESCO dedicates particular year to some significant scientific attribute, the whole year is celebrated on those lines as well as during the National Science day 28th February UNESCO declared theme is celebrated along with the theme declared for National Science day by Department of Science and Technology (DST). Year 2015 was declared as the International Year of Light and Light based technologies by UNESCO. A National Science Fest was organized on the theme of "FROM PHOTONICS TO ECONOMIC IMPACT OF LIGHT" on 3rd and 4th of February 2016 https://29e32a53-6582-4810-9c1d-bc94fcfa2cb3.filesusr.com/ugd/ccbcb0_7130862d56b64c56a90bbd43d386380a.pdf The Fest catered to the needs of all stakeholders of scientific fraternity and ensured participation of 505 participants through cocktail of events which included ? Competitions for students (P.G., U.G. and 102 level) Total participation 319 college students 102 not included in the number. 20 students from 102 level participated ? National Consortium of Academicians and Scientists on "From Photonics to Economic Impact of Light" for Academia, Industry representatives and Research Scholars total participation excluding students 186 ? Lecture Series on " Photonics and Economic Impact of Light and Light Based Technologies" College was appreciated for its efforts in the IYL booklet published by International society for Photonics. A special edition of Journal (IJETMR) was also edited and consortium papers were published in that special edition. A field project on water quality was also completed by 5 students of PG Chemistry.

Provide the weblink of the institution

https://29e32a53-6582-4810-9c1d-bc94fcfa2cb3.filesusr.com/ugd/ccbcb0_249d7050a5e4448aa7a3b91e375d5c3c.pdf

8.Future Plans of Actions for Next Academic Year

Teaching learning has been strength of college, college has always strived for the development of innovation ecosystem with strengthening of teaching learning methodologies in the college. ICT has given new dimensions to teaching learning and innovation ecosystem. Few points which IQAC considers to be very important and based upon which Future Plan of action of college is chalked out are ? Framing new Vision and Mission of the college for next five years ? Identification of the Goals of the college for next five years depending upon the SWOC of college ? Collaboration with Institutes of National Importance like IIT Indore and IISER Bhopal and Cluster Institutes of M.P for hand holding for Undergraduate Research Programme. ? Student exchange program under Cluster and participation of students in Ek Bharat Shresth Bharat Programme ? Organization of RD Seminars and Workshops and a Seminar on Intellectual Property Right ? Strengthening of Incubation centre and promotion of Start Up Culture in the college ? Strengthening of Academic Counselling Cell ? Focus on soft skills training to students specifically Communication skills ? Promotion of Faculty to write more research proposals to funding agencies like UGC/ DST/CSIR/SERB etc. ? Purchase of Equipment through RUSA Grant Students are the major stakeholders and graduation outcome is the most important success parameter, following are the important points to be considered for next session ? Proper and broad coverage of Student Connect programme (SCP) to know about the passed out batch (Fresh) ?

Special classes for NET/ SET and National level competitive exams ? Establishment of Helpdesk for students during admissions, scholarship cases, exam related queries and CCE queries ? Extra supplementary classes to help slow learners Governance and leadership ? Preparation of Strategic plan for the next five years ? RUSA Detailed Project Reports ? Infrastructure Augmentation through RUSA BEST PRACTICE ? To develop institute as a premium institute for organisation of different science related activities with social relevance in reference to events of National as well as International importance _____