

The Annual Quality Assurance Report (AQAR) of the IQAC
Govt. Holkar(Model, Autonomous) Science College, Indore(M.P.)

AQAR of Academic Year
(July 1, 2016 to June 30, 2017)

Part – A

<u>Data of the Institution</u>		
1.	Name of the Institution	Govt. Holkar (Model, Autonomous) Science College, Indore
•	Name of the Head of the institution	Dr. K. N. Chaturvedi
•	Designation	Principal
•	Does the institution function from own campus	Yes
•	Phone no./Alternate phone no.	0731-2446806 / 0731-2464074
•	Mobile no.	9425064354
•	Registered Email	principalhsc@rediffmail.com
•	Alternate Email	--
•	Address	AB Road, Bhanwarkua
•	City/Town	Indore
•	State/UT	M. P.
•	Pin Code	452001
2.	<u>Institutional status</u>	
•	Autonomous Status (provide the date of Conformant of Autonomous Status)	01/09/1989
•	Type of Institution: Co-education/Men/Women	Co-education
•	Location : Rural/Semi-urban/Urban	Urban
•	Financial Status	UGC 2f and 12 (B) and Self-financing (Partially)
•	Name of the IQAC Co-ordinator/Director	Dr. R.K.Sharma
•	Phone no. /Alternate phone no	0731-2446806 / 0731-2464074
•	Mobile	9425081367
•	IQAC e-mail address	IQAC_hsc@rediffmail.com
•	Alternate Email address	raj_rma@yahoo.co.in
3	Website address	http://www.collegeholkar.org
•	Web-link of the AQAR	https://collegeholkar.org/pdfs/AQAR_2016-17.pdf
4	Whether Academic Calendar prepared during the year?	Yes
•	If yes, whether it is uploaded in the	Yes

	Institutional website			
•	Web link			https://collegeholkar.org/pdfs/Academic%20calender%202016-17.pdf.pdf
5.	Accreditation Details			
Cycle		Grade	CGPA	Year of Accreditation
1 st		***	--	2001
2 nd		B	2.75	2009
3 rd		A	3.23	2016
6.	Date of Establishment of IQAC:DD/MM/YYYY			01/11/2003
7. Internal Quality Assurance System				
7.1 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
Regular meeting of IQAC			20/07/2016	12
Regular meeting of IQAC			12/06/2017	14
Submission of AQAR15-16 to NAAC			09/05/2017	--
College Participated in NIRF			29/11/2016	--
College Participated in AISHE			23/02/2017	--
Feedback from all stakeholders collected, analysed and used for improvements			Collected and analyse and used for improvement at various department level	
8. Provide the list of Special Status conferred 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
Model			State Govt.	05/07/85
Autonomous			UGC	09/07/89 to till now
9.	Whether composition of IQAC as per latest NAAC guidelines			Yes
•	upload latest notification of formation of IQAC			Uploaded on Website (Annexure I, 2016-17)
10.	No. of IQAC meetings held during the year			02
•	The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website..... Yes/No(Please upload, minutes of meetings and action taken report)			Yes (Annexure II, 2016-17)
11.	Whether IQAC received funding from any of the funding agency to support its activities during the year? Yes/No			No
•	If yes, mention the amount and year			Nil

12.	Significant contributions made by IQAC during the current year (maximum five bullets)
❖	<i>Three Seminars/workshops organized during the session through different departments of the college.</i>
❖	<i>Approx. 209 faculties were participated in various seminars/workshops, Approx. 40 papers were presented by the faculties in various seminars, 10 candidates awarded Ph.D. degree under the guidance of faculty members, 04 major and 03 minor projects are ongoing, About 93 research papers are published by the faculty member in various peer-reviewed journals/proceedings during the session.</i>
❖	<i>Mobile repairing training form 01/02/17 to 22/02/17 organized by career guidance cell and Dept. Of Electronics. Computer Hardware training from 01/02/17 to 17/02/17 organized by career guidance cell and Dr. Sanjay Vyas with expert team.</i>
❖	<i>Various entrepreneurship development programme and skill oriented programme were organized during the session.</i>
❖	<i>Total five companies visited for campus placement and 51 students are placed during the session.</i>
13. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year	
Plan of Action	Achievements/Outcomes
<p>Academic programmes proposed:</p> <ul style="list-style-type: none"> (i) <i>To start B.Sc. -B.Ed., MBA, M.Phil. in Physics, Mathematics, M.Sc. in Genetics.</i> (ii) <i>To organize academic tours.</i> (iii) <i>To organize Lectures /seminars /workshop/symposium.</i> (iv) <i>To start new certificate courses.</i> (v) <i>To start New award if any.</i> (vi) <i>To motivate faculties for publication work.</i> 	<p>Academic programmes implemented:</p> <ul style="list-style-type: none"> (i) <i>Three Seminars/workshops organized during the session through different departments of the college.</i> (ii) <i>Approx. 209 faculties were participated in various seminars/workshops.</i> (iii) <i>Approx. 40 papers were presented by the faculties in various seminars.</i> (iv) <i>10 candidates awarded Ph.D. degree under the guidance of faculty members during the session.</i> (v) <i>04 major and 03 minor projects are ongoing while 01 major and 01 minor projects are completed during the session.</i> (vi) <i>About 93 research papers are published by the faculty member in various peer-reviewed journals /proceedings.</i> (vii) <i>03 books and 03 proc. are published.</i> (viii) <i>Two new courses at UG level, 13 new core courses and 09 open elective courses at PG level are introduced during the session.</i>

<p>Infrastructure development proposed:</p> <ul style="list-style-type: none"> (i) <i>To develop separate blocks for each department.</i> (ii) <i>To construct extra classrooms.</i> (iii) <i>To construct new Laboratories</i> (iv) <i>To renovate Playgrounds</i> (v) <i>To enrich the Library.</i> 	<p>Infrastructure development implemented :</p> <ul style="list-style-type: none"> (i) <i>Three new classrooms on the first floor of the Academic Block are constructed.</i> (ii) <i>Play grounds are renovated.</i>
<p>Value added programmes proposed :</p> <ul style="list-style-type: none"> (i) <i>To start cleanliness drive in the college and to make it a polythene free zone.</i> (ii) <i>Yoga Karyakram for students.</i> (iii) <i>Judo Karate camp for girls under self defence scheme.</i> (iv) <i>Subject like Moral Values should be incorporated as compulsory subject in the curriculum.</i> (v) <i>To organize lectures related to Moral values, spirituality, national integration, Indian tradition and culture etc.</i> 	<p>Value added programmes implemented:</p> <ul style="list-style-type: none"> (i) <i>The students participated in the various programmes held on the occasion of Independence Day, Republic day and Gandhi Jayanti.</i> (ii) <i>The NCC cadets of the college performed various activities like Tree plantation etc..</i> (iii) <i>The NSS unit organized various programmes like – Sadbhavana divas 29/08/16, tree plantation programme in campus 19/09/16 on public place 02/10/16, Sanstha Parishar Vikas 05/12/16, Health check-up camp 22/09/16, Blood donation Rally and camp 29/10/16, 09/11/16, Drugs awareness programme 03/10/16, Mahila Shashaktikaran programme 15/10/16, NSS day 24/09/16, 7 days NSS camp etc, during the session.</i> (iv) <i>The Red Cross Society organized Blood donation camp in the college 31/01/17, Vigilance awareness programme 04/11/16, E Shakti programme 23-24/03/7, the Red Cross society visited the slum area and distributed cloth, food & stationary materials.</i>
<p>Skill oriented and student mentoring programmes proposed:</p> <ul style="list-style-type: none"> (i) <i>To organize lectures on entrepreneurship skill development.</i> (ii) <i>To organize lectures on personal grooming, personality development and attitude building. This will help the students to face placement agencies coming to the institution.</i> (iii) <i>To organize career fair in the college.</i> (iv) <i>To organize lectures on the use of social networking sites and on awareness for cyber crime.</i> (v) <i>Job oriented projects.</i> (vi) <i>Entrepreneurship development programme</i> 	<p>Skill oriented and student mentoring programmes implemented:</p> <ul style="list-style-type: none"> (i) <i>Entrepreneurship development programme is taught at the UG level as a separate course.</i> (ii) <i>By Swami Vivekananda carrier guidance cell organized lectures: on Leadership and entrepreneurship 12/08/16, Roll of communication in entrepreneurship 12/08/16, Roll of banks in entrepreneurship development 27/02/17, Bhotiki me Navpravartan and Rojgar sambhavnaein 24/03/17, Udyamita ke prerak tatva 24/03/17, Swarojgar evam entrepreneurship 25/03/17.</i> <p><i>Language skills 17/09/16, MP Mahila Vitta and Vikas Nigam ki Pariyojnaein 27/02/17, Expansion of a given topic in English</i></p>

<p><i>for self employment.</i></p> <p>(vii) <i>To organize Workshop for improving "Communication Skill".</i></p> <p>(viii) <i>Organize Zero hour classes and Bridge classes.</i></p> <p>(ix) <i>To organize Remedial classes.</i></p> <p>(x) <i>To organize Classes for the preparation of competitive examinations.</i></p> <p>(xi) <i>To organize talent search examinations.</i></p>	<p><i>28/07/16, Guided Composition in English 28/07/16 etc..</i></p> <p>(iii) <i>Polyhouse management and Visit to polyhouse programme 07/11/16, Eco-friendly farming programme 06-07/10/16 organized by career guidance cell and Dept. Of Horticulture & seed Tech.</i></p> <p>(iv) <i>Mobile repairing training form 01/02/17 to 22/02/17 organized by career guidance cell and Dept. Of Electronics.</i></p> <p>(v) <i>Computer Hardware training from 01/02/17 to 17/02/17 organized by career guidance cell and Dr. Sanjay Vyas with expert team.</i></p> <p>(vi) <i>Zero hour classes for the student of first year, Bridge classes for the students of second and third years at the starting of the session and Remedial classes for weak students during the session were organized.</i></p> <p>(vii) <i>1562 UG and 227 PG students of last semester have carried out 60 hours job oriented projects/internship.</i></p> <p>(viii) <i>Total five companies visited for campus placement and 51 students are placed during the session.</i></p>
<p>Co-curricular/community extension programmes proposed:</p> <p>(i) <i>Physical Activities: YOGA, Judo Karate , sports activities: Institutional/ Division/ state/National/International sport competitions.</i></p> <p>(ii) <i>Aesthetic and Cultural Activities: On the spot drawing & painting competition, Group singing, Solo singing/ rhymes. Rangoli competitions.</i></p> <p>(iii) <i>Literary Activities: Inter-House competitions, House meetings, English recitation, Hindi calligraphy, English calligraphy, Hindi & English elocution (pronunciation).</i></p> <p>(iv) <i>Social Welfare Activities: Blood donation camp, Organs/Body donation programme, Awareness about AIDS, Personal hygiene pr. Health check up camps-Eye testing, Bone density, Lipid profile etc., Vector</i></p>	<p>Co-curricular/community extension programmes implemented:</p> <p>(i) <i>Department of sport organized training camp of Cricket, Football, Volleyball, Basketball, Kho-Kho, Kabaddi, Softball, Table-Tanis, Weightlifting, Tennis etc during the session.</i></p> <p>(ii) <i>Department of sport organized Judo Karate training camp for girls in self defence. Yoga training camp Gymnasium training camp during the session.</i></p> <p>(iii) <i>Yoga Karyakram Surya Namaskar on Vivekanand Jayanti was organized by sports Department.</i></p> <p>(iv) <i>Division level Tennis(M) and Tennis(F) and District level Volleyball(M) were by the Sports Department during the session.</i></p> <p>(v) <i>Many cultural and literacy activities like - Sanskritik Sandhya, Inter Class Youth Festival, Yaad Karo Kurban week, Annual</i></p>

<p>born disease awareness camp, clean environment programme, Eradication of child labourers, differentially able Day, Women's Day & "World Diabetes Day" and awareness campaign, programmes for women empowerment, cancer/ Breast Cancer awareness programme, workshop on violence against women.</p> <p>(v) Civic Development Activities: Road safety programmes-Traffic rule, Awareness about RTI, Awareness about Gender sensitivity. Voting awareness campaign,</p> <p>(vi) Annual functions and Youth festivals.</p>	<p>Function, Garba Competition, Drama & Painting competition, Singing Competition, Drawing competition, Hindi Debate, Bhartiya Sanskriti Gyan Pariksha, Essay competition, Slogan Competition were organized during the session.</p> <p>(vi) Annual functions and youth festival were organized during the session.</p>
<p>14. Whether the AQAR was placed before statutory body? Yes /No</p>	<p>No</p>
<p>Name of the statutory body: Nil</p>	<p>Date of meeting(s): Nil</p>
<p>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning? Yes/No</p>	
<p>Yes - NAAC</p>	<p>Date: 07 - 09/12/2015</p>
<p>Autonomy Team</p>	<p>Date: 12-13/05/2017</p>
<p>16. Whether institutional data submitted to AISHE</p>	<p>Yes</p>
<p>Year: 2016-17</p>	<p>Date of Submission: 23/02/2017</p>
<p>17. Does the Institution have Management Information System?</p>	<p>No</p>
<p>If yes, give a brief description and a list of modules currently operational. (Maximum 500 words): Nil</p>	

Part-B

CRITERION I–CURRICULAR ASPECTS		
1.1 Curriculum Design and Development		
1.1.1 Programmes for which syllabus revision was carried out during the Academic year		
Name of programme	Program me Code	Dates of revision
UG - B.Sc.	U001	Chemistry(05/07/16), Biotechnology(28/06/16), Computer Sc.(30/06/16), Zoology(02/07/16), Botany(01/07/16), Bioinformatics(28/06/16), Bio Chemistry(26/06/16), Microbiology(01/07/16), Pharma Chemistry(11/07/16), Horticulture(08/07/16), Seed Tech.(29/06/16), Forensic Sc. (18/07/16), Geography(06/08/16), Fisheries(02/07/16), Geology(08/07/16), Physics(02/07/16), Electronics(08/09/16), Mathematics(09/07/16), Statistics(26/07/16), Economics(26/07/16), English Lang. (12/07/16), Entr. Dev.(12/07/16), Hindi Lang. & Moral Value(16/08/16),
UG - BCA	U002	30/06/16
PG – M.Sc.	P003	
PG - M.Sc. – Bio Chemistry	-do-	26/06/16
PG - M.Sc. – Bio Technology	-do-	28/06/16
PG - M.Sc. – Botany	-do-	01/07/16
PG - M.Sc. – Chemistry	-do-	05/07/16
PG - M.Sc. – Computer Sc.	-do-	30/06/16
PG - M.Sc. – Fisheries	-do-	02/07/16
PG - M.Sc. – Forensic Sc.	-do-	18/07/16
PG - M.Sc. – Geology	-do-	08/07/16
PG - M.Sc. – Mathematics	-do-	09/07/16
PG - M.Sc. – Microbiology	-do-	01/07/16
PG - M.Sc. – Pharma. Chemistry	-do-	10/07/16
PG - M.Sc. – Physics	-do-	02/07/16
PG - M.Sc. – Statistics	-do-	26/07/16
PG - M.Sc. – Zoology	-do-	02/07/16
M.Phil. – Bio Chemistry	P004	26/06/16
M.Phil. – Bio Technology	-do-	28/06/16
M.Phil. – Botany	-do-	01/07/16

M.Phil. – Chemistry	-do-	05/07/16	
M.Phil. – Comp. Sc.	-do-	30/06/16	
M.Phil. – Zoology	-do-	02/07/16	
1.1.2 Programmes/ courses focused on employability/ entrepreneurship/ skill development during the Academic year			
Programme with Code	Date of Introduction	Course with Code	Date of Introduction
All programmes listed in 1.1.1 are employable	July 16	All courses are employable. Some of them are listed below. For detailed nomenclature of courses visit our website https://collegeholkar.org/pdfs/Program%20&%20course%20code.pdf	July 16
		Biochemistry at UG(101-301)	July 2016
		Bioinformatics at UG(102-302)	July 2016
		Biotechnology at UG(103-303)	July 2016
		Computer Sc. at UG(106-306)(153-155, 253-255,352-355,451-456,552-554,651-654),310	July 2016
		Electronics at UG(107-307)	July 2016
		English Lang. at UG(108-308),156	July 2016
		Hindi Lang. at UG(109-309),256	July 2016
		Geology at UG(111-311)	July 2016
		Horticulture at UG (112-312)	July 2016
		Fisheries at UG(113-313)	July 2016
		Mathematics at UG(114-314) (151, 251, 351,451,551)	July 2016
		Microbiology at UG(115-315)	July 2016
		Pharma Chemistry at UG(116-316)	July 2016
		Seed Tech. at UG(118-318)	July 2016
		Statistics at UG(119-319)(152,252)	July 2016
		Forensic Sc. at UG(122-322)	July 2016
		Entrepreneurship Development at UG(110,356,456)	July 2016
		Biochemistry at PG(BC11-14,21-24,31-34,41-44)	July 2016
		Biotechnology at PG(BT11-14,21-24,31-34,41-44)	July 2016
		Botany at PG(BO11-14,21-24,31-34,41-44)	July 2016
		Chemistry at PG(CH11-14,21-24,31-34, 41-44)	July 2016
		Computer Sc. at PG(CS11-14,21-24,31-34,41-44)	July 2016
		Fisheries at PG(F11-14,21-24,31-34,41-44)	July 2016
		Forensic Sc. at PG(FS11-14,21-24,31-34, 41-44)	July 2016
		Geology at PG(G11-14,21-24,31-34,41-44)	July 2016

		Mathematics at PG(M11-15,21-25,31-35, 41-45)	July 2016
		Microbiology at PG(MB11-14,21-24,31-34,41-44)	July 2016
		Pharma Chemistry at PG(PC11-14,21-24, 31-34,41-44)	July 2016
		Physics at PG(P11-14,21-24,31-34,41-44)	July 2016
		Statistics at PG(S11-14,21-24,31-34,41-44)	July 2016
		Zoology at PG(Z11-14,21-24,31-34,41-44)	July 2016
		60 hours job oriented project/internship is mandatory for the students of last semester/year at UG and PG level.	July 2016

1.2 Academic Flexibility

1.2.1 New programmes/courses introduced during the Academic year.

Programme/Course	Date of introduction
Disaster Management Added in (Paper III Environmental chemistry) at PG	05/07/16
Core 1: Biotechnology at PG Level	01/07/16
Core 2: Virology, Mycology & Psychology	01/07/16
Core 3: Immunology at PG Level	01/07/16
Core 4: Microbial Biochemistry at PG Level	01/07/16
Core 5: Microbial Genetics at PG Level	01/07/16
Core 6: Microbial Physiology at PG Level	01/07/16
Core 7: Instrumentation at PG Level	01/07/16
Core 8: fermentation Tech. at PG Level	01/07/16
Core 9: Molecular Biology & Genetic Engg. at PG Level	01/07/16
Core 10: Medical Microbiology at PG Level	01/07/16
Core 11: Food and Dairy Microbiology(PG)	01/07/16
Core 12: Environmental Microbiology(PG)	01/07/16
Elective 1: Biostatistics & Computer Appl.(A), Microbial Ecology (B)(PG)	01/07/16
Elective 2: Bioinformatics (A), Agriculture Microbiology (B)(PG)	01/07/16
Elective 3: Pharmaceutical Microbiology (A), Bio safety and IPR Issues (B)(PG)	01/07/16
Elective 4: Bio nanotechnology (A), Cell Biology (B)(PG)	01/07/16
Open Elective: Basics of Microbiology (PG)	01/07/16
Biomolecules (Paper I) (UG)	26/06/16
Biophysical and Biochemical Technique (Paper II) (UG)	26/06/16

1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of Programmes adopting CBCS	UG	PG	Date of implementation of CBCS / Elective Course System	UG	PG
Already adopted (mention the year)				Nil	2015-16

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
Eco-friendly Farming & Poly-house Management	06/10/2016	150
1.3.2 Field Projects / Internships under taken during the year		
Project/Programme Title	No. of students enrolled for Field Projects /Internships	
60 hours job oriented project/internship is mandatory for the students of last semester at UG level : Basics of computer, Pollution & Measure, Mailero, Zoo Management, Agro; Forest Conservation; Pathology Lab , Pharma Lab, Fruit preservation; Medical store management, Paramedical Jobs & Services, Manufacturing and Quality control in pharmaceutical product in drug industries; Crime scene management, Teaching, Pathology and Impression marks, NGO; Mushroom Culture, Trees of Zoo, Plant Tissue Culture, Forest Nursery, Flora in Zoo, Horticulture, Teaching and School Management, Varmicomposting, Food Preservation, Floriculture, Organic forming, Blood testing, Soil analysis, Bonsai Techniques, Sugar testing , Computer Hardware and Networking, computer software, Cyber café, Online services etc.	1562	
60 hours job oriented project/internship is mandatory for the students of last semester at PG level : Teaching, Pharmaceutical Lab, Pathology Lab, Drugs, Agro, Health Center, Dairy, Bacterial endotoxin Test, Sterility Test, Microbial limit Test, Production Unit of Pharma Industry, Waste Disposal Plant, Instrumentation; Manufacturing and Quality control in pharmaceutical product in drug industries; Questioned Document, Anthropology, Crime scene, Investigation, DNA Profiling & serology, Instrumentation; Vermi compost, Medicinal, Fruit & Ornamental Plants, Water Analysis, Food Preservation, Computer Hardware and Networking, computer software, Cyber café, Online services, Teaching etc.	227	

1.4 Feedback System**1.4.1 Whether structured feedback received from all the stakeholders. Feedback Taken by Various department at department level.**

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes	Yes	No	Yes	Yes

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

Feedback is taken and analyzed at various Departmental level. Feedback from students, parents, alumni is regularly taken by the departments. Feedback committee collects and analyze the feedback form and make suggestions to respective bodies. Feedback on teachers and curriculum is collected from students and suggestions are incorporated by the departments. Feedback of parents is collected in PTM and the feedbacks of alumni are collected in alumni meet. The suggestions given in the Feedback forms are analysed rigorously and immediate steps are taken to implement the feasible suggestions for the betterment of the students and the institution. To improve the teaching methods many instruments, charts, models, specimen & slides are added to the present stock of departments. Seminar, lectures, guest lecturers have also been arranged. Most of the parents are satisfied with the academic, teaching and other activities. Departmental Library is upgraded to make more books available for students:

Feedback of Students

Feedback/Response	V. Good	Good	Satisfactory	Unsatisfactory
Feedback on Teachers: Knowledge, communication skills, sincerity, ability to integrate course, material accessibility of teacher, ability to design quizzes	67.81	25.98	6.19	0
Feedback on Course: Feedback on course depth, coverage of course, applicability, relevance, learning value, clarity and library.	66.22	27.15	6.61	0

CRITERION II -TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 Demand Ratio during the year

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
UG - B.Sc.	2160	Not Available (Online Admission done centrally by Dept. of Higher education Govt. of M.P.)	1868
UG - BCA	120	- do -	118
PG -M.Sc.–Bio Chemistry	25	- do -	21
PG-M.Sc.–Bio Technology	15	- do -	10
PG - M.Sc. – Botany	20	- do -	18
PG - M.Sc. – Chemistry	40	- do -	37
PG - M.Sc.– Computer Sc.	30	- do -	07
PG - M.Sc. – Fisheries	20	- do -	00
PG - M.Sc. – Forensic Sc.	10	- do -	07
PG - M.Sc. – Geology	25	- do -	19
PG - M.Sc. – Mathematics	60	- do -	46
PG -M.Sc. – Microbiology	20	- do -	15
PG -M.Sc.–Pharma. Chem.	20	- do -	03
PG - M.Sc. – Physics	25	- do -	24
PG - M.Sc. – Statistics	25	- do -	15
PG – M.Sc. – Zoology	20	- do -	14
M.Phil. – Bio Chemistry	05		Nil
M.Phil. – Bio Technology	05		Nil
M.Phil. – Botany	10		Nil
M.Phil. – Chemistry	10		Nil
M.Phil. – Comp. Sc.	10		Nil
M.Phil. – Zoology	10		Nil

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 full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2016 - 17	5205	489	200	116	200

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
200	121	Available	23	13	Over Head Projector, Power Point

					Presentation, e-Library (del-net, Inflib-net), e-book, online videos & animation, Internet, etc.
2.3.2 Students mentoring system available in the institution? Give details. (maximum 500 words)					
<i>Proctors are assigned for every class (B.Sc. & M.Sc.) by the institute and they act as a Mentor. They guide the students throughout the academic session and also resolve their problems. Institute has conducted sessions periodically during every year for the UG and PG students regarding their queries and problems. Various Seminar, Open discussion session are arranged for mentoring the students to choose the best future path for their future. Mentor meets their students and guides them, they also interacts with the parents or guardians of students whenever required.</i>					
<i>Mentors acts as a link between the students and the institution and perform following functions:</i>					
<i>1. Meet the students regularly throughout the session.</i>					
<i>2. Continuously monitor, counsel, guide and motivate the students in all academic matters.</i>					
<i>3. Advice students regarding choice of electives, projects, summer training in industries etc.</i>					
<i>4. Contact parents/ guardians occasionally.</i>					
<i>5. Advice student in their carrier development</i>					
<i>6. Maintain a record.</i>					
Number of students enrolled in the institution			Number of fulltime teachers		Mentor: Mentee Ratio
5694			200		1:28
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.
Regular :106	83	23		Recruitment done by state Govt.	72
Guest Faculty (Govt.)				10	05
Guest Faculty:107	107	0		107	23
Total: 213	190	23		117	100
2.4.2 Honours and recognitions received by teachers					
<i>(received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)</i>					
Year of award	Name of full time teachers receiving awards from state level, national level, international level		Designation	Name of the award, fellowship, received from Government or recognized bodies	
Botany	Dr. Kislaya Pancholi (National Level)		Professor	Karmbhumi Samman, Premchand Srajan pith, Ujjain	

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	Program me Code	Semester / year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester-end/ year- end examination
B.Sc.	U001	Semester	19.05.17	12.06.17
B.C.A.	U002	Semester	09.05.17	01.06.17
M..Sc.	P003	Semester	09.05.17	29.06.17

2.5.2 Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

**Do not include re-evaluation/ re-totalling*

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
1336	10995	12.15%

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 web link)

(Annexure IV, 2016-17)

2.6.2 Pass percentage of students

Program me Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final Semester /year examination	Pass Percentage
U001	B.Sc.	1491	1164	78.07%
U002	B.C.A.	71	71	100%
P003	M.Sc.	227	214	94.27%

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 web link) - **NIL**

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION				
3.1 Promotion of Research and Facilities				
3.1.1 The institution provides seed money to its teachers for research,				
Yes..... No. No if yes give details				
Name of the teacher getting seed money	The amount of seed money	Year of receiving grant	Duration of the grant	
Nil	Nil	Nil	Nil	
3.1.2 Teachers awarded National/International fellowship for advanced studies/ research during the year				
	Name of the teacher awarded the fellowship	Name of the Award	Date of Award	Awarding Agency
National	Nil	Nil	Nil	Nil
International	Nil	Nil	Nil	Nil
3.2 Resource Mobilization for Research				
3.2.1 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
Major projects	2 Years	MPCST	478000	269000 (Bot)
	2 Years	MPCST	406000	200000(Chem)
	3 Years	SERB	1824000	200000 (Phy)
	2 Years	MPCST	658000	209000 (Phy)
Minor Projects	3 Years	UGC	175000	60000(Bot)
	3 Years	UGC	175000	80000(Micro)
	2 Years	UGC	155000	112500(Geo.)
Interdisciplinary Projects	Nil	Nil	Nil	Nil
Industry sponsored Projects	Nil	Nil	Nil	Nil
Projects sponsored by the University/ College	Nil	Nil	Nil	Nil
Students Research Projects (other than compulsory by the College)	Nil	Nil	Nil	Nil
International Projects	Nil	Nil	Nil	Nil
Any other(Specify)	Nil	Nil	Nil	Nil
Total			3871000	1130500
3.2.2 Number of ongoing research projects per teacher funded by government and non-government agencies during the years				
Major projects - 04, Minor project - 03				

3.3 Innovation Ecosystem				
3.3.1 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(s)
Workshop on Know your Biodiversity		Seed Technology & Horticulture		29 -30 Jan. 2016
Eco-Friendly Farming & Polyhouse Management		Seed Technology & Horticulture		6-7 Oct. 2016
Workshop on “Water Resolution Vision 2020”		Geology		4 – 5 March 2016
3.3.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year				
Title of the innovation	Name of the Awardees	Awarding Agency	Date of Award	Category
Nil	Nil	Nil	Nil	Nil
3.3.3 No. of Incubation centre created, start-ups incubated on campus during the year				
Incubation Centre		Name		Sponsored by
Nil		Nil		Nil
Name of the Start-up		Nature of Start-up		Date of commencement
Nil		Nil		Nil
3.4 Research Publications and Awards				
3.4.1 Ph. Ds awarded during the year				
Name of the Department		No. of Ph. Ds Awarded		
Botany		01		
Maths		01		
Zoology		06		
Chemistry		01		
Physics		01		
Total		10		
3.4.2 Research Publications in the Journals notified on UGC website during the year				
	Department	No. of Publication	Average Impact Factor, if any	
National	Biochem	01	-	
	Botany	06	-	
	Bio Tech. & Bio Info.	03	-	
	Zoology	09	-	
	Chemistry	05	-	
	Geology	03		
		27		
International	Biochem	04	-	
	Botany	04	-	
	Maths	07	-	
	Zoology	25	-	
	Chemistry	10	4.3	
	Electr.	03	-	
	Physics	09	05	
	Geology	01	-	

	Horticulture	02	-
		65	4.65
Total		92	

3.4.3 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	No. of publication
Seed & Hort.	02 (ISBN978817677262-3) (ISBN978817677291-7)
Zoology	01(Unified Zoology)
Physics	03 (Proc.)
Total	06

3.4.4 Patents published/awarded during the year

Patent Details	Patent status Published/ Filed	Patent Number	Date of Award
Nil	Nil	Nil	Nil

3.4.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
Evaluation of Changes in Oxidative Stress Marker and Protease Activity in Wheat (T. Aestivum L.) Seedlings in Response to Carbendazim Fungicide	Rasneem Rangwala and Angurbala Bafna	International Journal of Agricultural Research	2016	Nil	Dept. of Biochemistry, Holkar Science College, Indore	Nil
Effect of Different Combination of Chemical Fertilizers(Urea, Ssp, Mop, Np, Nk, Npk) and Biofertilizer on MDA. Peroxidase Activity and Proline	Sandhya Sharma and Angurbala Bafna	International Journal of Agricultural Research	2016	Nil	Dept. of Biochemistry, Holkar Science College, Indore	Nil

Content in Wheat (T. Aestivum L.) Seedlings						
Comperative Study of the impact of Heavy metals on growth parameters and clorophyll content of Spinaciaolerace aL	D. Solanki, A. Bafna and T. Rangwala	International Journal of Advanced Life Sciences	2016	Nil	Dept. of Biochemistry, Holkar Science College, Indore	Nil
Effect of water from Different Source on Oxidative Stress Parameters of Trigonellafoenu m-graecum(Fenugreek)	Sharma P., Bafna A., Batham A. R.	International Journal of Science and Research (IJSR)	2017	Nil	Dept. of Biochemistry, Holkar Science College, Indore	Nil
Comparative study of impact of rhizobium v/s urea on growth parameters of mung bean (Vigna radiate L.)	S. Patel, A. Bafna and T. Rangwala	Holkar Research spectrum	2016	Nil	Dept. of Biochemistry, Holkar Science College, Indore	Nil
Isolation and Identification of fungi Associated with post harvest decay of some important fruits of Indore District (M.P.) India	Sanjay Vyas and Chunauti Chouhan	Indian Research Communication	2016	Nil	Dept. of Botany, Holkar Science College, Indore	Nil
Comparison of nodule formation in desi and kabuli varities of chick pea (Cicer Arietim L.) Under Irrigated and Rain Fed Conditions	Sanjay Vyas and Suman Verma	Indian Research Communication	2016	Nil	Dept. of Botany, Holkar Science College, Indore	Nil
Microbiological analysis of drinking water quality of Yashwant Sagar Dam, Indore (M.P.) for Dirinking Purpose	Sanjay Vyas and Priyanka Chouhan	Indian Research Communication	2016	Nil	Dept. of Botany, Holkar Science College, Indore	Nil

A Study of Flowering Periods of Common Allergenicallly Significant Plants Growing At Indore M.P. India	Uday Chitnis, D.K. Billore and Smriti Chitnis	Indian Research Communication	2017	Nil	Dept. of Botany, Holkar Science College, Indore	Nil
Carbon sequestration in 15 woody plants found in Dhar Alirajpur and Jhabua Districts of M.P.	B.S. Annigeri, V.B. Diwanji, S. Vyas and Hardia	Indian Research Communication	2017	Nil	Dept. of Botany, Holkar Science College, Indore	Nil
Important woody plants species, their management and conservation Status in Dhar Alirajpur and Jhabua Districts of M.P.	B.S. Annigeri V.B. Diwanji, S.Vyas and Hardia	Indian Research Communication	2017	Nil	Dept. of Botany, Holkar Science College, Indore	Nil
Microbial Contamination on surfaces of some fruits and vegetables from Indore.	Sanjay Vyas and Shweta Hardia	Indian Research Communication	2017	Nil	Dept. of Botany, Holkar Science College, Indore	Nil
Nutrient Status in Relation to Organic Farming Practices: A Review	Nisar A. Bhat, S. Iqbal, S.K. Sharma	International Journal of Research & Review (IJCRT)	2017	Nil	Dept. of Botany, Holkar Science College, Indore	Nil
Pollen Allergy – A Negative Aspect of Plants	Uday Chitnis, D.K. Billore and Smriti Chitnis	Environmental Awareness Clean and green earth today tomorrow and forever	2017	Nil	Dept. of Botany, Holkar Science College, Indore	Nil
Soil Biological Activity Contributing to Phosphorus Availability in Vertisols Under Long-Term Organic and	Nisar A Bhat, Amritbir Riar, Aketi Ramesh, Iqbal Sanjeeda Mahaveer P Sharma, Sanjay	Frontiers in Plant Science Switzerland	2017	Nil	Dept. of Botany, Holkar Science College, Indore	Nil

Conventional Agricultural Management	K. Sharma and Gurbir S. Bhullar					
Isolation and identification of microbes associated with mobile phones in Holkar science college of indore district.	Dr namrata khurana	Naveen shodh sanchar	2016	Nil	Dept. of Biotech. & Bio info., Holkar Science College, Indore	Nil
Blasting flu season 2015-16	Dr namrata khurana	Divya sodh sansar	2016	Nil	Dept. of Biotech. & Bio info., Holkar Science College, Indore	Nil
“Novel Bioinformatics approach detects hundreds of previously undetected spliced transcripts discovered from c elegans genome.	Prof. Aakriti Shrivastava	Indian journal of medical Science	2016	Nil	Dept. of Biotech. & Bio info., Holkar Science College, Indore	Nil
Micro -parsing of Hindi words	Brijendra Kumar Joshi, Kapil Kumar Kushwah	International Journal of Computer Science and Information Sequerity	2016	Nil	Dept. of Eletronics, Holkar Science College, Indore	Nil
Sandhi: The Rule based word formation in hindi	Brijendra Kumar Joshi, Kapil Kumar Kushwah	International Journal of Computer Science and Information Sequerity	2016	Nil	Dept. of Eletronics, Holkar Science College, Indore	Nil
Rola: An equimatrik chhaned of Hindi poems	Kapil Kumar Kushwah, Brijendra Kumar Joshi,	International Journal of Computer Science and Information Sequerity	2017	Nil	Dept. of Eletronics, Holkar Science College, Indore	Nil
Study of Structural, Elastic Properties and their Pressure	ShubhangiSoni, Arvind Jain, K.K.	J. Meta. Nano. Mater.	2016	Nil	Dept. of Physics, Holkar Science	Nil

Dependence in IrN Compound	Choudhary and NetramKaurav				College, Indore	
High-Pressure Structural Phase-Transition in $Mg_xCd_{1-x}O$ Compounds	SaligramVerma , Arvind Jain, K. K. Choudhary and NetramKaurav	J. Meta. Nano. Mater.	2016	Nil	Dept. of Physics, Holkar Science College, Indore	Nil
Theoretical Analysis of the Structural Phase Transformation and Elastic Properties in the ZrN under High Pressure	Arvind Jain, ShubhangiSoni, Sanjay Shah, and NetramKaurav	J. Meta. Nano. Mater.	2016	Nil	Dept. of Physics, Holkar Science College, Indore	Nil
A Review Paper of the Laws of Thermodynamics to Apply the Human Bodies	D.Bhalse1, Rashmi Kame2, Pramod Malviya3, Pradeep Sharma4 and A.Mishra	International Journal of Scientific Research in Multidisciplinary Studies	2016	Nil	Dept. of Physics, Holkar Science College, Indore	Nil
X-ray diffraction and X-ray K-absorption near edge studies of Copper (II) Micro cyclic Carbamide complexes	D.Bhalse1 , Rashmi Kame2 , Pramod Malviya3 , Pradeep Sharma4 and A.Mishra5	International Journal of Scientific Research in Multidisciplinary Studies	2016	Nil	Dept. of Physics, Holkar Science College, Indore	Nil
XANES and EXAFS Studies of Copper (II) Micro Cyclic Carbamide complexes	D.Bhalse1 , Rashmi Kame2 , Pramod Malviya3 , Pradeep Sharma4 and A.Mishra	International Journal of Scientific Research in Physics and Applied Sciences	2016	Nil	Dept. of Physics, Holkar Science College, Indore	Nil
Structural and optical properties of nano structured nickel	NetramKaurav	International Conference on Condensed Matter and Applied Physics (ICC 2015)	2016	Nil	Dept. of Physics, Holkar Science College, Indore	Nil

Ferromagnetic interactions in chromium (III) doped YMnO ₃	NetramKaurav	International Conference on Condensed Matter and Applied Physics (ICC 2015)	2016	Nil	Dept. of Physics, Holkar Science College, Indore	Nil
FT-IR and Zeta potential measurements on TiO nanoparticles	NetramKaurav	DAE Solid State Physics Symposium 2015	2016	Nil	Dept. of Physics, Holkar Science College, Indore	Nil
TWO NOVEL LIPID CONSTITUENTS FROM THE LEAVES OF ARTABOTRYS ODORATISSIMUS	Pramila Kori	Ind. Res. Comm.	2016	Nil	Dept. of Chemistry, Holkar Science College, Indore	Nil
A Comparative Study of Concentration of Caffeine and Benzoic Acid in Various Soft Drink Samples	Reena Gami ¹ , Geetha Sarasan ²	International Journal of Science and Research (IJSR)	2016	Nil	Dept. of Chemistry, Holkar Science College, Indore	Nil
Micellar Catalyzed Oxidation of p-Chlorophenol by Chloramine-T : A Kinetic Study	Geetha Sarasan ¹ , Namrata Pathak ²	International Journal of Science and Research (IJSR)	2016	Nil	Dept. of Chemistry, Holkar Science College, Indore	Nil
A study on Krafft temperature of cetylpyridinium bromide in aqueous and mixed solvent systems	Geetha Sarasan	Journal of Chemical and Pharmaceutical Research,	2016	Nil	Dept. of Chemistry, Holkar Science College, Indore	Nil
A Study on Density and Viscosity of Binary Solutions of n- Propyl Acetate and IsoPropyl Alcohol at Various Temperatures	Chanchala Joshi ¹ , Dr. Geetha Sarasan ²	IOSR Journal of Applied Chemistry (IOSR-JAC)	2017	Nil	Dept. of Chemistry, Holkar Science College, Indore	Nil

Antimicrobial Activity and Phytochemical Analysis of Carica Papaya Leaves, Root Extracts	Pramila Kori	International Journal of Recent Scientific Research	2017	Nil	Dept. of Chemistry, Holkar Science College, Indore	Nil
EFFECT OF Azadirachta indica-LEAVES, Allium sativum- BULBS AND Ocimum sanctumLEAVES ON THE GERMINATION OF MAIZE SEEDS	Pramila Kori	International Journal of Recent Scientific Research	2017	Nil	Dept. of Chemistry, Holkar Science College, Indore	Nil
Influence of Acid Activation on Natural Calcium Montmorillonite Clay	Soniya Sharma§, Dr. Geetha Sarasan	IOSR Journal of Applied Chemistry (IOSR-JAC)	2017	Nil	Dept. of Chemistry, Holkar Science College, Indore	Nil
Kinetics of Oxidation of Formaldehyde by KMnO ₄ in Micellar Medium	Sarika Goyal and Geetha Sarasan	Journal of Chemistry and Chemical Sciences	2017	Nil	Dept. of Chemistry, Holkar Science College, Indore	Nil
Novel lipid constituents identified from the leaves of Artabotrys odoratissimus (R.Br)	Pramila Kori	Arabian Journal of Chemistry	2017	Nil	Dept. of Chemistry, Holkar Science College, Indore	Nil
Oxidation of Propionaldehyde by Potassium Permanganate in Micellar Medium: A Kinetic Study	Sarika Goyal*, Dr. Geetha Sarasan	IOSR Journal of Applied Chemistry (IOSR-JAC)	2017	Nil	Dept. of Chemistry, Holkar Science College, Indore	Nil
QSAR Study of Some Anti-Hepatitis B Virus Agents Comprising 4-Aryl-6-Chloro-Quinolin-2-Ones and	Purushottam Das Soni/I.P Tripathi/M.K. Dwivedi*	International Journal of Engineering Technology Science and	2017	Nil	Dept. of Chemistry, Holkar Science College, Indore	Nil

5-Aryl-7- Chloro-1,4- Benzodiazepines		Research				
Removal of Toxic Dyes by Acid Activated Clay from Dye Effluents through Adsorption: A Sustainable Approach	Soniya Sharma and Geetha Sarasan	International Journal of ChemTech Research	2017	Nil	Dept. of Chemistry, Holkar Science College, Indore	Nil
Study on antibacterial activity of 7-[2-hydroxy3(substituted amino)propoxy]-5-hydroxy-2phenyl-4H-chromen-4-one	Anamika Jain and Sheetal Shrimal	Journal on New Biological Report	2017	Nil	Dept. of Chemistry, Holkar Science College, Indore	Nil
Use of Natural Material – Clay for Sustainable Treatment of Water Polluted By Dyes	Soniya Sharma ¹ , Dr. Geetha Sarasan ²	International Journal of Engineering Science Invention	2017	Nil	Dept. of Chemistry, Holkar Science College, Indore	Nil
Calculation of Excavated Volume Using Digital Elevation model and GIS: A Case Study of Kathotiyani Stone Quarry Area, Dist. Indore M.P.	Shailesh Chaure, Mahipal Solanki	Holkar Research Spectrum Vol 2 (1 & 2)	2016	Nil	Dept. of Geology, Holkar Science College, Indore	Nil
Free and Open Source Software for Hydrology and Water Resource Management	Shailesh Chaure	Holkar Research Spectrum Vol 3 Special Issue	2017	Nil	Dept. of Geology, Holkar Science College, Indore	Nil
Water Management, Challenges and Solutions. Vision - 2050	Vinod Kumar Parashar	Holkar Research Spectrum Vol 3 Special Issue	2017	Nil	Dept. of Geology, Holkar Science College, Indore	Nil
Watershed – Its Development, Management and Role of Geologist.	Vishnu Gadgil, Narendra Joshi	Holkar Research Spectrum Vol 3 Special Issue	2017	Nil	Dept. of Geology, Holkar Science College, Indore	Nil

Common fixed point of weakly compatible maps in Intuitionistic fuzzy metric spaces	R.K. Sharma Sonal Bharti	Advances in fuzzy mathematics 11(2), 195-205	2016	Nil	Dept. of Mathematics Holkar Science College, Indore	Nil
Semi weakly compatibility of maps and common fixed point in fuzzy metric spaces	R.K. Sharma, Sonal Bharti	Pure Mathematical Sc. Hikari Ltd.5(1)2016,33-47	2016	Nil	Dept. of Mathematics Holkar Science College, Indore	Nil
ε - chainable intuitionistic fuzzy metric space and Common fixed point of semi-weakly compatible maps on	R.K. Sharma, Sonal Bharti	Intr. J. fuzzy Math. Archive, 10(2), 85-94, 2016	2016	Nil	Dept. of Mathematics Holkar Science College, Indore	Nil
Common fixed point theorems for six mappings satisfying almost generalized (S, T) - contractive conditions in partially ordered metric spaces	R. K. Sharma, C.S.Chauhan V. Raich	Annals of pure and applied mathematics, 12(2), 143-151, 2016	2016	Nil	Dept. of Mathematics Holkar Science College, Indore	Nil
Alternating distance functions and coon fixed point in Partially ordered metric spaces	R. K. Sharma, C.S.Chauhan V. Raich	Jananabha 46, 49-74, 2016.	2016	Nil	Dept. of Mathematics Holkar Science College, Indore	Nil
Common fixed point of weakly compatible maps in Intuitionistic fuzzy metric spaces	R.K. Sharma, Sonal Bharti	Advances in fuzzy mathematics 11(2), 195-205, 2016	2016	Nil	Dept. of Mathematics Holkar Science College, Indore	Nil
Fuzzy Matrix Theory and Infertility Management – Measures Follicle Fertilization Possibility	Vivek V. Raich1 , Sharad Gangele1 and Nutan Verma2	Intern. J. Fuzzy Mathematical Archive Vol. 11, No.2, 2016, 79-84	2016	Nil	Dept. of Mathematics Holkar Science College, Indore	Nil

Biodiversity of Spider fauna	Dr. Rekha Sharma	Scholar Research library	2016	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
Forecasting of some physical parameter of MunjSagarTalabDhar(M.P.), India using Holt Winter's Additive method.	Dr. M.M.P. Shrivastava	Int. J. Curr. Res. Biosci. Plant Biol.	2016	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
Cypermethrin induced biochemical changes in liver of Clariasbatrachus.	Dr. M.M.P. Shrivastava	Golden Research Thought	2016	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
Hard ticks induced haematological changes in black buck (Antilopercervicapra).	Dr. M.M.P. Shrivastava	Indian Streams Research Journal	2016	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
Effect of Flax seed meal on Hematological Profile of Labeorohita	Dr. KiranBillore	Indian Journal of Applied Research	2016	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
A Comparative Study on the Antioxidant Properties of Some edible Pulses	Dr. Kiran Billore	Indo American Journal of Pharmaceutical Research	2016	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
Common Causes of eye diseases, Blindness and their Prevention	Dr. Rekha Sharma	Research curiosity	2016	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
A Study of Drinking Water Quality in Southern Indore City, M.P.	Ram Prajapati and Reena Rokde	International Journal of Science and Research	2016	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil

Aquatic Weeds &Macropytes diversity in Kunda reservoir (District-Dhar, MP)	Dr. Santosh Gaherwal	Journal of Zoological & Bioscience Research	2016	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
Avian diversity in and around Kunda reservoir (District-Dhar)	Dr. Santosh Gaherwal	International Journal of Advanced research	2016	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
Bacteriological Study of Drinking Water in South Indore City (M.P.)	Ram Prajapati and Reena Rokde	International Journal of Science and Research	2016	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
Bioactive Constitutes of the BoerhavladiiffusaRoot Extracts	Dr. Kiran Billore	World Journal of Pharmacy and Pharmaceutical Sciences	2016	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
Comparative antibacterial activity of Hydroethanolic extracts of some Indian Flowers of medicinal Importance	Dr. Santosh Gaherwal	Indo American Journal of Pharmaceutical research	2016	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
Development and silk production by silkworm larvae after topical application of fenoxycarb	Dr. Santosh Gaherwal	International Journal of Entomology Research	2016	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
Diversity of Rotifera of GovindBallabh Pant Sagar, Singrauli (MP)	Dr. Kiran Billore	Indian Journal of Research	2016	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
Diversity of the solifugae (Genus Galeodes, Olivier	Bharat Pandhram and	Holkar Research Spectrum	2016	Nil	Dept. of Zoology, Holkar Science	Nil

1791), from Madhya Pradesh, India	V. K. Sharma				College, Indore	
Effect of seasonal variations on colony composition of Indian social spider <i>Stegodyphus sarasinorum</i>	Pooja Jain and V. K. Sharma	Holkar Research Spectrum	2016	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
Effect on lipid profile in mice experimentally infected and vaccinated with <i>Aspicularistetraptera</i>	Dr. Santosh Gaherwal	International Journal of Research	2016	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
Heamatological Changes in Ticks infected Goats (<i>Capra Hircus</i>) in Mhow Region (MP)	Dr. Santosh Gaherwal	International Journal of Current Research	2016	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
Impact of Silver Nanoparticles on Pathogenic Bacteria	Santosh Gaherwal and MMP Shrivastava	International Journal of Advances in Pharmacy, Biology & Chemistry	2016	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
In Vitro DNA Protective Potentials of Hydroethanolic extracts of some medicinally important Indian Flowers	Dr. Santosh Gaherwal	World Journal of Pharmacy & Pharmaceutical Sciences	2016	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
Isolation & Identification of Naphthalene Degrading Microbe from Petroleum Contaminated Soil	Dr. Santosh Gaherwal and Kiran Billore	International Journal of Research in Chemistry and Environment	2016	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
Phytochemical Screening & the Antifeedant effect of	Dr. Santosh Gaherwal	International Journal of Recent Scientific	2016	Nil	Dept. of Zoology, Holkar Science	Nil

AzadirachtaIndica- Leaves, Allium Sativum-Bulbs Larvae of Chilo Partellus		Research			College, Indore	
Prevalence and Incidence of Ticks in Goat (Capra Hircus) in Mhow District (MP)	Dr. Santosh Gaherwal	Indian Journal of Applied Research	2016	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
Prevalence of fascioliasis in goats in different regions of Indore (M.P.), India	Dr. Santosh Gaherwal	International Journal of Scientific Research	2016	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
Study of Ground Water Quality in Barwani District With Special Reperence to Physico- Chemical Parameters	Dr. Abida Qureshi	Research Article	2016	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
Synthesis and Antibacterial properties of Copper nanoparticle for Salmonillatyphi	Dr. M.M.P. Shrivastava	AIP Conf.Prove1728	2016	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
A Study of Avian fauna at Ralamandal Wildlife Sanctuary, Ralamandal, Dist. Indore (MP)	Dr. Santosh Gaherwal	International Journal of Current Trends in Science and Technology	2017	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
An assessment of the occurrence of Larval &pupal parasitoids (natural enemies) against maize stem borer, Chilo partellus	Dr. Santosh Gaherwal	Internal Journal of Entomology Research	2017	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
An Assessment of the occurrence of Natural enemies (Predators) against Maize stem borer, Chilopartellus	Dr. Santosh Gaherwal	International Journal of Current Advanced Research	2017	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil

Development and silk production by silkworm larvae after topical application of fenoxycarb	Dr. Santosh Gaherwal	International Journal of Entomology Research	2017	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
Effect of Azadirachtaindica-LEAVES, Allium sativum- BULBS and OcimumSantum- Leaves on The Germination of Maize Seeds	Dr. Santosh Gaherwal	Indian Journal of Scientific Research	2017	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
Effect of temperature and relative humidity on commercial product of silkworm (Bombyx Mori.L) in Indore region of (M.P.) India	Dr. Santosh Gaherwal	International Journal of Zoology Studies	2017	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
Egg Parasitism caused by Trichogramma spp. Against maize stem borer, Chilo partellus	Dr. Santosh Gaherwal	International Journal of Scientific Research in Biological Sciences	2017	Nil	Dept. of Zoology, Holkar Science College, Indore	Nil
Effect of growth regulator on growth, Yield and seed quality parameter of Okra (Abelmoschus esculentus L.) : cv. Utkal Gourav	Kanhaiyalal Sanodiya	International journal of Current Microbiology and Applied Science	2017	Nil	Dept. of Hort., Holkar Science College, Indore	Nil
Effect of seed treatment with growth regulator on growth, yield and seed quality parameters of okra (Abelmoschus esculentus L.): CV. Utkal Gaurav	Kanhaiyalal Sanodiya	International Journal of Chemical Studies	2017	Nil	Dept. of Hort., Holkar Science College, Indore	Nil

3.4.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)							
Tit le of the pa per	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication	
Nil	Nil	Nil	Nil	Nil	Nil	Nil	
3.4.7 Faculty participation in Seminars/Conferences and Symposia during the year :							
No. of Faculty		International level		National level		State level	Local level
Attended Seminars/ Workshops		05		98		22	84
Presented papers		33		07		00	00
Resource Persons		01		04		03	00
3.5 Consultancy							
3.5.1 Revenue generated from Consultancy during the year							
Name of the Consultant(s) department		Name of Consultancy project		Consulting/Sponsoring Agency		Revenue generated (amount in rupees)	
Nil		Nil		Nil		Nil	
3.5.2 Revenue generated from Corporate Training by the institution during the year							
Name of the Consultant(s) & Department		Title of the Programme	Agency seeking training	Revenue generated (amount in rupees)		Number of trainees	
Nil		Nil	Nil	Nil		Nil	
3.6 Extension Activities							
3.6.1 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 co-ordinated in such activities		Number of students participated in such activities	
Slum area visit		Red Cross Society(Biochem)		05		20	
Tree Plantation		1MP BN NCC Girls		03		21	
Slum area visit for empowering social responsibility (06/02/16)		Red Cross soc.		4		41	
Vigilance Awareness Week (4/11/16)		Red Cross Soc. & Oriental Insurance Company		5		130	
Blood Donation Awareness rally(31/01/17)		Red Cross Society		10		84	
Blood Donation Camp		Red Cross Soc. & Loins Club Indora		8		83	

E Shakti Programme (23-24/03/17)	Red Cross Soc.	5	122
Sadbhavna Divas (29/08/16)	NSS (Both Units)	11	110
Plantation (Campus) (19/09/16)	NSS (Both Units)	20	75
Plantation (Outside) (02/10/16)	NSS (Both Units)	08	35
NSS day (24/09/16)	NSS (Both Units)	18	280
Sanstha Parisar Vikas Sanskrutya (05/12/16)	NSS (Both Units)	20	110
7 days NSS camp (16 – 12/01/16)	NSS (Both Units)	05	100
Vatika Nirmaan (15/10/16)	NSS (Both Units)	05	52
Health Checup (22/09/16)	NSS (Both Units)	10	47
Blood Donation Rally (29/10/16)	NSS (Both Units)	15	161
Blood donation camp (09/11/16)	NSS (Both Units)	35	193
Madak Dravyon se bachav (03/10/16)	NSS (Both Units)	02	75
Mahila Shashaktikaran (15/10/16)	NSS (Both Units)	25	120

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

Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited
Writing	Karm Bhumi Samman	Premchandra Srijan Pith Ujjain	Dr. Kislaya Pancholi
Signing competition Kalasangam – 16(28-29/11/16)	Second Position	Jain diwakar inter college indore	Suvarna Subhedar
Hindi Debate Competition	Participation from college	Inter college Abhayas Mandal, (DAVV) Indore	Aashi Maroo
Dance	Participation from college	International event organized by UNESCO at Shimla India	Purva Pandey
Dance Competition, Solo	Participation from college	National Competition on by sanskar Bharti Katak Orissa	Purva Pandey

3.6.3 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 co-ordinated such activities	Number of students participated in such activities
Hindi pakhwada	Dept. of Hindi	Eassy and writting	04	17
Voter's Awareness Program	District Election Office, Indore (M.P) & Dept. of For. Sc. Holkar Sc. Indore	Voter's awareness related competitions like Slogan writing, Essay writing, Debate, Drawing etc. (25.01.2017)	03	12

3.7 Collaborations

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

Nature of Activity	Participant	Source of financial support	Duration
Nil	Nil	Nil	Nil

3.7.2 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-To)	participant
Internship (Bot)	Pathology & Lab. Testing	Gurjar Hospital, Indore	Jan. to Feb. 2017	05 (PG. Students)
do	-	IARI	do	05 (PG. Students)
do	Fruit Processing	Horticulture Department	do	06 (PG. Students)
Internship (Micro Bio)	Internship	Central Lab	Jan. to Feb. 2017	2
do	Internship	Gokuldas Hospital	Jan. to Feb. 2017	4
do	Internship	Symbiotic Pharma	Jan. to Feb. 2017	3
	Internship	Synergy Hospital	Jan. to Feb. 2017	2
	Internship	Sanket Pathology	Jan. to Feb. 2017	4
	Internship	Shree ji Diagnosis	Jan. to Feb. 2017	1
	Internship	Vedant	Jan. to Feb. 2017	2
	Internship	Chl, hospital	Jan. to Feb. 2017	1
	Internship	Arogya	Jan. to Feb. 2017	1

	Internship	Kamce chew food Pvt. Ltd.	Jan. to Feb. 2017	1
	Internship	Bhopal care hospital	Jan. to Feb. 2017	1
	Internship	Indu Laboratory	Jan. to Feb. 2017	1
	Internship	'kk-Qyckxifj{k.kdsUnz] bUnkSj	Jan. to Feb. 2017	6
	Internship	Shree Indore cloth Market hospital	Jan. to Feb. 2017	1
	Internship	Tata International Limited	Jan. to Feb. 2017	2
	Internship	Greater Kailash Hospital	Jan. to Feb. 2017	3
	Internship	Gurjar Hospital	Jan. to Feb. 2017	18
	Internship	IPCA	Jan. to Feb. 2017	1 (PG)
	Internship	Symbiotic Pharma lab	Jan. to Feb. 2017	6 (PG)
	Internship	Indore Dugdh Sahakarita Sangh	Jan. to Feb. 2017	8 (PG)
PG students training (Geology)	Internship	Oil and Natural Gas corporation, Dehradun	02/01/2017 - 31/01/217	5 (Sushil Nema, Manish Kumar Turkar, ShivaniRawal, ChetnaSonje, Sonali Dalal)
	Internship	Emerald Industries Ltd, Gwalior	02/01/2017 – 09/01/2017	6 (AkshayPawar, Ashish Khare, Jamsher Mahalkar, Prashant Dixit, RitikPawar, Somendra Randa
UG Student's training (Geology)	Internship	Mining Officer, Indore district, Ujjain district and Alirajpur district, M.P.		12+15+15
	Internship	Rajmi Geoexploration & Engineering Pvt. Ltd, Indore		11
	Internship	M.P. State Mining Corporation, Phosphorite Mine, Khatamba-Kelkua- Amlamal Blocks, Tehsil-		10

		Meghnagar, District-Jhabua, M.P.		
	Internship	Satguru Cement Pvt. Ltd. (Zirzbad Cement Plant), Airen Height, Pu3, Scheme No. 54, Vijay Nagar, Indore M.P.		15
	Internship	M/s. S. S. Exlploration Enterprises,80, Anurag Nagar, Indore, M.P.		15
	Internship	Directorate of Geology and Mines, Bakshi Bag, Indore, M.P.		15

3.7.3 MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs
Institute of Excellence in Higher Education (IEHE), Bhopal (M.P.)	Dec. 2016	Exchange of researchers, students, publications, books, academic programs and research projects.	01(Faculty BOS Member)(For. Sc.)
PG Tech Research Institute		Internship by UG Students	33 (Pharma)

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			
30000000			29517400			
4.1.2 Details of augmentation in infrastructure facilities during the year						
Facilities			Existing		Newly added	
Campus area			34 Acres		--	
Class rooms			42		03	
Laboratories			44		Nil	
Seminar Halls			05		Nil	
Classrooms with LCD facilities			23		Nil	
Classrooms with Wi-Fi/ LAN			13		Nil	
Seminar halls with ICT facilities			03		Nil	
Video Centre			Nil		Nil	
No. of important equipments purchased (≥ 1-0 lakh) during the current year.			06		13	
Value of the equipment purchased during the year (Rs. in Lakhs)			4480230		1366131	
Others			Nil		Nil	
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 partially)		Version		Year of automation
SOUL		Fully		2.0		2015
4.2.2 Library Services:						
	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	64724	--	49	49583	62627	(- 2146)
Reference Books	28890	--	Nil	--	28890	--
e-Books	Del-net	--	--	--	--	--
Journals	3791	--	--	--	--	--
e-Journals	Inflibnet	--	--	--	--	--
Digital Database	64548	--	--	--	--	--
CD & Video	350	--	--	--	--	--
Library automation	Fully	--	--	--	--	--
Weeding (Hard & Soft)	--	--	--	--	--	--
Others (specify)Thesis	539	--	80	--	619	--
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	
Nil	Nil		Nil		Nil	

4.3 IT Infrastructure									
4.3.1 Technology Up gradation (overall)									
	Total Computer s	Comput er Labs	Internet	Browsing Centres	Computer Centres	Office	Departme nts	Available band width (MBPS)	Oth ers
Existi ng	259	13	yes	03	02	18	21	100MBPS	
Adde d	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	
Total	259	13	yes	03	02	18	21	100MBPS	
4.3.2 Bandwidth available of internet connection in the Institution (Leased line)									
100MBPS									
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					Nil				
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			
6000000		5600000		24000000		23917400			
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://collegeholkar.org/Government Policies.html									
Response: The college has its own Maintenance Policies implemented in 2015. The campus of the college provide an excellent academic environment through buildings constructed with state-of-the-art technologies consisting of energy efficient, water conserving, and sustainable building materials. The College is spread Academic Block to Red building covering around 34 acre of land. The College has number of buildings namely Academic Block, Library, Examination department, Life sciences Departments, Administrative office, Yashwant Hall, Red building, staff quarters and Boys hostel along with sports grounds. Laboratories, sophisticated equipment's, computers and ICT facilities. Sports and physical education amenities, which are the back bone of academic activities. There is a dedicated Engineering Section maintained by PWD, which oversees periodic maintenance of all buildings, roads, rainwater and grey-water drainage. This section carries out painting of buildings at regular intervals apart from civil repairs and other maintenance as per the necessity or on request. All buildings are properly connected by roads. Adequate budgetary provisions are made for the above activities by Janabhagidari Samiti and State Government funds. The academic infrastructure of the college, such as research and teaching laboratories etc housed in over 14 teaching departments. Fully automated main library of the college has approximated 93 thousand text and reference books.									

The regular monitoring and maintenance of these academic facilities is undertaken by the respective departments through dedicated AMCs and warranty and all up gradation and repair works are done by the department internally. In addition, PWD undertakes periodic survey of the various infrastructures on the campus and takes proactive steps to ensure high standards of maintenance.

The sports facilities on the campus are actively managed by the Sports department, which is headed by two sports officer and their supportive staff. The computers and the networking on the campus are maintained through dedicated AMCs and warranty. Computer department and IT cell is also responsible for the maintenance of entire digital physical infrastructure in the campus.

College gardens are maintained by gardeners under the supervision of Garden Samiti and Botany department. Security of college campus including academic and administrative buildings is done by college watchmen's and Third Party Security Agency who works under the supervision of college Administration. Annual stock checking of furniture, lab equipment, ICT facilities and all assets and reporting of repairs/loss in departments is mandated to be done by designated staff member as an academic year ending activity and the consolidated report is submitted to Administration by the head of department. Cleaning of the campus areas including the academic and administrative buildings is carried out daily in the morning by sweepers and a outsourced housekeeping team, who works under the supervision of administration.

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	Half Free ship	09	72000/-
Financial support from other sources			
a) National			
	SC	579	9692600
	ST	536	9415320
	OBC	1776	20223695
	Gaon Ki Beti	50	250000
	Vikramaditya	45	112500
	Pratibha Kiran	03	15000
	Nishaktjan	05	100000
	Minority & Central sector	249	Sanctioned by Central Govt.
Total		3243	39809115/-
b) International	Nil	Nil	Nil
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
Remedial classes	19/10/16	50	Department of Pharma Chemistry
Certificate Course	13-30/01/17	20	Department of Pharma Chemistry & PG Tech
Expansion of a given topic in English	28/07/16	21	(Carrier Guidance Cell) Prof. Surekha Upadhe & Prof. Kanta Moolchandani, HSC
Guided Composition in English	28/07/16	17	(Carrier Guidance Cell) Prof. Surekha Upadhe & prof. Kanta Moolchandani, HSC
Leadership in Entrepreneurship	12/08/16	166	(Carrier Guidance Cell) Prof. Bharti Sisodiya, HSC
Roll of Communication in Entrepreneurship	12/08/16	112	(Carrier Guidance Cell) Prof. Sona Sakte, HSC
Language Skills	17/09/16	56	(Carrier Guidance Cell) Prof. Kanta Moolchandani & Prof. T. Abbasi, HSC
Myths about common skin problems in young people	27/09/16	300	(Carrier Guidance Cell) Dr. Sunita Dashore, MD Dermatology
Women's Health: What should you know in the	27/09/16	151	(Carrier Guidance Cell) Dr. Nivedita Dashore, MD Obstetrics &

21 st century			Gynaecologist
Eco-Frendaly Farming	06/10/16	101	(Carrier Guidance Cell) Dr. Arun Dike, Director Rangwasa Jaivik Gram Sansthan
Polyhouse Management	07/11/16	140	(Carrier Guidance Cell & Dept. Of Hort.) Dr. Murlidhar Iyyer, Jain Irrigation Sansthan, Tejram Nagar
Visit of Polyhouse	07/11/16	140	(Carrier Guidance Cell & Dept. Of Hort.) Polyhouse of Shri Madan singh Yadav, Omax City, by pass Indore
Painting competition	17/01/17	20	(Carrier Guidance Cell) Title-Digital Sakharta, Smart City
Essay Writing	08/01/17	12	(Carrier Guidance Cell) Title-Sankrity and Paryatan
Debate Competition	18/01/17	20	(Carrier Guidance Cell) Title- Vartmaan me yuva pidi ko shikhit hone se jyada sanskari hone ki awashyakta
Roll of Bank in Entrepreneurship Development	27/02/17	116	(Carrier Guidance Cell) Prof. Bharti Sisodiya, HSC
M.P. Mahila Vitta & Vikas Nigam ki Pariyojnaein	27/02/17	19	(Carrier Guidance Cell) Prof. Sona Sakte, HSC
Bhotiki me Navpravartan & rojgar sambhavnaein	24/03/17	417	(Carrier Guidance Cell) Prof. K.N.Chaturvedi, Principal, HSC
Udyamita ke Prerak Tatva	24/03/17	417	(Carrier Guidance Cell) Prof. R.C. Dixit, HSC
Swarojgaar evam Enterprenureship	25/03/17	457	(Carrier Guidance Cell) Dr. Dheeraj Sharma, Govt. New GDC
Mobile repairing Training	01-22/02/17	30	(Carrier Guidance Cell & Dept. Of Electr.) MSME Institute, Indore
Computer Hardware Training	01-17/02/17	55	(Carrier Guidance Cell) Prof. Sanjay Vyas & expert team
Painting & Mural workshop	04-06/04/17	25	(Carrier Guidance Cell) Prof. Hemlata Kumar

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 by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
2016-17	Carrier Guidance & Placement	150	450	13	51

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	No. Of grievances redressed		Average number of days for grievance redressal		
Nil	Nil		Nil		
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	Number of Students Placed		
Pharma. Chem.: Chouksey Laboratories	01	--	01		
Placement TCS (IGNITE) (29.09.26)	100	27	--		
Cocentrix Comp.(17.01.17)	120	11	--		
Lupin Phrma(04.02.17)	40	01	--		
Manpower Gr. Comp. (10.01.17)	100	08	--		
Indtr. Staffing Ser.(15.01.17)	65	04	--		
Total: Five companies visited		51			
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
2016-17	03	B.Sc.	Forensic Science	Gujarat Forensic Science University, Gandhi Nagar Gujarat	M.Sc.
2016-17	03	B.Sc.	Forensic Science	Shree Vaishnav Vidhyapeeth Vishwaavidyalaya, Indore	M.Sc.
2016-17	01	B.Sc.	Forensic Science	Guru Ghasidas University, Bilaspur, Chattisgarh	M.Sc.
2016-17	01	B.Sc.	Forensic Science	International Forensic Science Institute, Pune	Diploma
2016-17	01	M.Sc.	Forensic Science	IIT, Indore	Ph.D.

2016-17	01	M.Sc.	Forensic Science	Dr Hari Singh Gour Central University, Sagar (M.P.)	Ph.D.
2016- 17	23	B.Sc.	Zoology	Holkar Science College	M.Sc.
2016- 17	05	B.Sc.	Pharma Chemistry	Govt. Holkar Science College	M.Sc.
2016- 17	04	B.Sc.	Computer Science	Govt. Holkar science College	M.Sc.

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	No. of Students selected/qualifying	Registration number/roll number for the exam
NET	01 (Forensic Sc.)	41005728
	02 (Zoology)	40003596,305459
	06 (Chemistry)	
	01 (Biochemistry)	304892
	01(Biotech)	
SET	01(Biochemistry)	STLS127395
SLET	Nil	
GATE	Nil	
GMAT	Nil	
CAT	Nil	
GRE	Nil	
TOFEL	Nil	
Civil Services	Nil	
State Government Services	Nil	
Any Other	Nil	
(UGC-JRF)	01 (Forensic Sc.)	41005728
Total	13	

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

Activity	Level	Participants
Training camp organized: Cricket, Football, Volleyball, Basketball, Kho-Kho, Kabaddi, Softball, Table-Tanis, Weightlifting, Tennis etc.	College level	500
Judo Karate training camp for girls in self defence	College level	130
Yoga training camp	College level	150
Gymnasium training camp	College level	120
Surya Namaskar on Vivekanand Jayanti	College Level	150
Tennis (M)	Divison level	150
Tennis(F)	Divison level	130
Volleyball(M)	District level	130

Sanskritik Sandhya	College level	150
Inter Class Youth Festival	College level	350
Yaad Karo Kurbani week	College level	250
Annual Function	College level	1500
Garba Competition	College level	450
Hindi Debate	College level	150
Drama & Painting competition	College level	150
Singing Competition	College level	150
Quiz	College level	150
Bhartiya Sanskriti Gyan Pariksha	College level	150
Drawing competition	College level	150
Essay competition	College level	150
Slogan Competition	College level	150

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/ International	Sports	Cultural	Student ID number	Name of the student
2016-17	Hand ball Winner	Division	Sports			Whole Team
-do-	Shatranj Runner	Division	Sport			Whole Team
-do-	Soft ball (F) (Representation of MP)	National	Sport			Ku. Jyoti Mourya
-do-	Volley ball (F) (Representation of MP)	National	Sport			Ku. Sana Khan
-do-	Hand ball (F) (Representation of MP)	Nationa	Sport			Ku. Ashvarya Fender
-do-	Soft ball (M) (Representation of MP)	National	Sport			Yogendra Singh Solanki
-do-	Cricket (F) (Representation of Division)	State	Sport			Ku. Kajal Parmar
-do-	Ethelatics (Representation of Division)	State	Sport			Deepak Vilabliya
-do-	Ethelatics (Representation of Division)	State	Sport			Vijay Rathore
-do-	Cricket (M) (Representation of Division)	State	Sport			Prajjawal Joshi
-do-	Volley ball (M) (Representation of Division)	State	Sport			Shivanshu Upeliya

-do-	Volley ball (F) (Representation of Division)	State	Sport			Ku. Sarita Amaliyar
-do-	Judo (F) (Second)	Division	Sport			Ku. Dimpi Prajapati
-do-	Judo (F) (Third)	Division	Sport			Ku. Varshika Paradkar
-do-	Soft ball (F) (Representation of University)	National	Sport			Ku. Jyoti Mourya
-do-	Volley ball (F) (Representation of University)	National	Sport			Ku. Sana Khan, Ku. Sarita Amaliyar
-do-	Hand ball (F) (Representation of University)	National	Sport			Ku. Ashvarya Fender, Ku. Apurva, Ku. Heeral Chouhan, Ku. Akankha Dixit, Ku. Pratibha Kushwah
-do-	Soft ball (M) (Representation of University)	National	Sport			Yogendra Singh Solanki
-do-	Cricket (F) (Representation of University)	National	Sport			Ku. Kajal Parmar
-do-	Cricket (M) (Representation of University)	National	Sport			Prajjawal Joshi
-do-	Volley ball (M) (Representation of University)	National	Sport			Shivanshu Upreliya
-do-	International Dance Event organized by UNESCO at Shimla, India	International		Cultural		Ku. Purva pandey (First Position)
-do-	National Dance Event organized by Sanskar Bharti Katak, Orissa, India	National		Cultural		Ku. Purva pandey (Nratya Shiromani and Third Position)
-do-	International Dance Event organized by	International		Cultural		Ku. Purva pandey Performed with a

	(SAUFEST) SAARC					group of 26 students
-do-	Group Dance Event organized by PMB Gujrati Sc. College, Indore	Inter Collegiate		Cultural		Ku. Ritu Sharma (First)
-do-	Singing Competition organized by Paradise Dance Academy	Regional		Cultural		Ku. Ritika Malviya(Second)
-do-	Inter College Hindi Debate Event organized by Abhyas Mandal in DAVV	Regional		Cultural		Ku. Aashi Maroo(First)
-do-	Inter College Solo singing Event organized by Jain Diwakar College, Indore	Regional		Cultural		Ku. Suvarna Subedar (Second)
-do-	Inter College Solo singing Event organized by Vaishnav College, Indore	Regional		Cultural		Ku. Suvarna Subedar (Second)
-do-	Group Dance Event organized by PMB Gujrati Sc. College, Indore	Inter Collegiate		Cultural		Ku. Ritu Sharma, Rashmi Moye, Hiral Chouhan, Mohini Prajapati, Ashvini Shah, Akriti Jain (First)
-do-	Group Song Event organized by Christian Eminent College, Indore	Inter Collegiate		Cultural		Ku. Shivani Kewat, Goldee Singh, Shweta Mehra, Sangeeta Tomar, Megha Gargey (First)

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

Every year student samiti of meritorious students. This samiti played an important role in the smooth functioning of college annual function. The samiti took active part in the annual cultural festival held every year in the college. Students are also actively involved in various societies of the college like NCC, NSS, Cultural Society, Women's development cell, Placement cell and many others etc.

5.4 Alumni Engagement

5.4.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):

Yes, The college has a registered alumni association (registration no. IND/539/91) from 08/08/91, Old Holkarian Association (OHA). At present OHA has following office bearers:

<i>Dr. Narendra Dhakad</i>	<i>President</i>
<i>Dr. R.C. Dixit</i>	<i>Vice President</i>
<i>Dr. Sanjay Vyas</i>	<i>Secretary</i>
<i>Dr. Pradeep Sharma</i>	<i>Joint Secretary</i>
<i>Dr. Suwarna Tanvani</i>	<i>Treasurer</i>
<i>Dr. M M P Shrivastava</i>	<i>Executive Member</i>
<i>Dr. R. K. Nagar</i>	<i>Executive Member</i>
<i>Dr. Monika Jain</i>	<i>Executive Member</i>

The association helps the development work of the college. During the alumni meeting feedback is collected on curriculum and college environment through a structural format. As the college is around 125 years old, many alumni of this prestigious institution serve as faculty, as sports personal, as Industrialist/entrepreneurs, as Bank professionals, as NGO, as Doctors, as IT professional, in Film Industry, as Researcher, as Literary person, as Scientist, as Freedom Fighters, as Journalist, as Administrator, in Judiciary Service, as Politician, as Academician, in Defence etc.

5.4.2 No. of registered Alumni:

214

5.4.3 Alumni contribution during the year (in Rupees) :

50000

5.4.4 Meetings/activities organized by Alumni Association :

On the occasion of 125 anniversary of the college a meeting held of OHA on 22/03/16. In this meeting OHA take the decision that the 125th anniversary should be celebrated. For this celebration OHA donate a sum of Rs50000. The programme start from 10/06/16 and then these continued up to whole year.

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)
<p>Response:</p> <p><i>Holkar Science College, Indore is an autonomous institution since 1989. The College practices decentralization and participative management not only in its execution processes, but also in policy matters, as feasible. At execution level the autonomy is practiced at three levels, i.e., in Academic activities, Administrative activities and Examination.</i></p> <p><i>For academic activities, all teaching departments are given sufficient autonomy to take important decisions at departmental level for smoothening the functioning of departments. The functioning of various teaching departments is also based on decentralization and participative management, as majority of the operational decision making is delegated to various program in charges and important decisions are taken by various committees, different cells and bodies formed by the college.</i></p> <p><i>At administrative level also, the college practices decentralization and participative management. The budget allotted by State Govt./UGC/ Janbhagidari Samiti is distributed to various departments according to their requirements. The heads of teaching departments are responsible for the utilizing the sanctioned amount as per state Govt. rules and instructions given by the administration and purchase committee. Further, beyond those levels, the financial decisions are taken at College administrative level by A/O and the principal. Permission for exceptional proposals is put up in Governing body meeting and in front of Janbhagidari Samiti for approval.</i></p> <p><i>The activities related to examination are controlled by the Examination Department headed by the controller and deputy controllers along with supportive office staff. The functioning of examination department is given below:</i></p> <p><i>Examination department makes the examination schedule. The college follows semester system at UG and PG levels. The CCE of the students is ensured through test, assignments, seminars etc. and there is a written final examination at the end of the semester. In order to maintain confidentiality and academic standards it is mandatory that at least 50% of the exam papers are set by the external setters. The college follows a centralized pattern of valuation at UG level and at PG level valuation is done by the setter. Examination results are made available on college web-site, student can download the provisional mark list. The various steps are taken in valuation of answer books are - Mixing, coding, valuation, scrutiny, review and decoding. Moderation of question paper before the commencement of examination is mandatory. Provision to show valued answer sheets on the request of the students in the presence of the subject experts and guardian to satisfy the students by removing their doubts. Here students can challenge the valuation. Revaluation is done by two examiners. Examiner for M.Sc. practical exams and for M.Phil. Viva voce are from outside the native university.</i></p>
6.1.2 Does the institution have a Management Information System (MIS)?
Yes/No/Partial:
Partial
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):
Curriculum Development:
<i>College follows the syllabi designed by Central Board of Studies under the Department of Higher Education. The College has its own board of studies in each department. Departmental Board of</i>

<p><i>Studies of the college approved the syllabi proposed by the Department of Higher Education. The College have the autonomy of 10% enhancement in the proposed syllabi at UG level for their respective courses for maintaining the standards of instruction, curriculum. Framing of Guidelines for examination and valuation is conducted by the examination department. At PG level Credit based choice system has been implemented, where Biochemical Techniques has been added under Interdisciplinary paper. Each year the syllabi is revived/revised accordingly in the presence of the subject experts. It involves planning, identifying, modifying and evaluating the content according to the learner.</i></p>
<p style="text-align: center;">Teaching and Learning</p>
<p><i>The college continuously improves its infrastructure and incorporates new technology, tools and aids, to improve the teaching and learning processes. Classrooms and all laboratories are equipped with projectors. Wi-Fi is available across the college campus. Browsing centre is available for students to access internet and it helps students to prepare their presentations. Teaching is supplemented with workshops, educational tours, laboratory visits, and field trips. For effective teaching and learning, teachers adapt techniques like - power point presentations, smart board, posters etc. Expert lectures, seminars and workshops were conducted in the college to enhance learning. To improve teaching different types of teaching methods have been adopted by teachers as: Telling method(Lecture method, storytelling method, discussion method etc), Activity method (Project method, problems solving method, etc.), Visual Method (Textbook method, demonstration method, etc.), Mental method (Inductive and deductive, analysis, synthesis method, etc), Lecture Method, Demonstration Method, Tutorial Method, Questions-Answer method, Discussion method, Project method, Analysis method, Field trip method, Observational method, Survey method etc.</i></p>
<p style="text-align: center;">Examination and Evaluation</p>
<p><i>The rules and regulations concerning the evaluation process, distribution of marks of internal assessment are framed by the examination department. Each department maintains the record of syllabi covered every month and ensures that the tests, assignment, presentations etc are conducted. Moreover the departments ensure the Internal Assessment monitoring, record of attendance, sending the marks of assignments, tests and projects to examination department. For UG courses, 2 assignments are mandatory followed by one final exam in each semester. For PG students, 2 CCE Assignments and viva-voce are mandatory followed by one final exam in each semester. To maintain transparency in evaluation system, the students were given a privilege to view their answer books of CCE. The college follows semester system at UG and PG levels. The CCE of the students is ensured through test, assignments, seminars etc. and there is a written examination at the end of the semester. In order to maintain confidentiality and academic standards it mandatory that at least 50% of the exam papers are set by the external setters. The college follows a centralized pattern of valuation at UG level and PG level valuation is done by the setter. Examination results are made available on college website, student can download the provisional mark list. The various steps are taken to evaluate of answer books- Mixing, coding, valuation, scrutiny, review, decoding, data-entry, results on website. Mandatory moderation of question paper before the commencement of examination. Provision to show valued answer sheets on the request of the students in the presence of the subject experts and guardian to satisfy the students by removing their doubts. Here students can challenge the valuation. Revaluation done by two examiners. Examiner for M.Sc. practical exams and for M.Phil. Viva voce are from outside the native university.</i></p>
<p style="text-align: center;">Research and Development</p>
<p><i>The college has a College Research Cell. This cell provides guidance to faculty about funding</i></p>

agencies promotes interdisciplinary research and monitors progress of research activities, motivates faculties to publish research papers in peer reviewed journals with high global impact factor for quality research, motivates to submit the Major/ Minor research projects to funding agency. Motivates faculties to attend seminars and workshops and presenting research papers. College has registered as research centre in six subjects. College has facilities for research work. Research labs have emerged as a specialized areas, involves new research ideas and promote research culture. It encourages the students to undertake the research in the new fields. New high tech instruments like FTIR ,IR etc. are available in labs. Every teaching departments of the college has been equipped with internet in order to facilitate research activities. Latest research journals are available in the departments and in the library. For e-journals and e-books del-net is installed in library.

Library, ICT and Physical Infrastructure / Instrumentation

The library is fully automated and has 62627 text books and 28890 reference books all bar coded, 49 books have been added in 2016-17, 3791 Journals, 350 CDs, 619 Thesis, 64548 digital database. 25 computers. Del-Net, INFLIBNET, e-journal facility is available in the library. Library is fully automated by SOUL 2.0 ILMS software. PG departments have separate departmental libraries. Facility of LCD projector for effective audio-visual teaching learning, ICT technology is used as effective teaching tool, IT lab and instrumentation rooms available for students. 42 classrooms, 3 new classrooms have been constructed during the session, 44 laboratory, 03 seminar halls, one auditorium(Yashwant hall), Indoor and Outdoor sports facilities, one boys Hostel is available in the college. New constructions are also in progress.

Human Resource Management

The college has a well-defined administrative set up for the smooth functioning of the institution. While the Principal as the head of the institution remains at the helm of all the academic and administrative affairs in the college, the administrative officer serving as a link between the principal and the other staff members facilitates day to day administration of the institution. Every teaching department is headed by a senior professor entrusted with the administrative and academic responsibilities of that particular department. The recruitment of the permanent employees is done by the Department of Higher Education Govt. of M.P.. The salary and other benefits related to finance, leaves, health etc. are regulated and implemented as per the rules laid down by the department of higher education. The recruitment of the temporary employees is done by the college authorities as per the rules laid down by the department of higher education. Confidential performance appraisals are regularly filled, Personal files well maintained. The college has computerized account keeping and administrative system. Pay slips and PF statements of employees are transmitted electronically. Grievance redressal cell is active to resolve the grievances of the employees and students.

Industry Interaction / Collaboration

Educational Trips to Industry are organised for M.Sc. students to help them understand the working of various Industries, Laboratories with regards to their subjects in syllabus and with respect to various job opportunities. Students are prepared for their interviews by arranging lectures of various eminent personalities working in various sectors. They make students aware about the scope and environment of the companies. Department of pharmaceutical chemistry has collaborated with PG Tech research institute (PGTRI) and certificate courses are organized yearly with collaboration with this institute during the session. During the year 2016 department of Biotechnology and Bioinformatics visited Eagle seeds industries. Department has collaborative support for internship and field training from different government, public sector and private organization such as GSI, ONGC, MOIL, Rajami Geo-Exploration and SS enterprises. Placement Cell of College provides the students with exposure to resume writing, soft skill training and employment opportunities. Companies are invited to conduct interviews, offer internships and hold talks and discussions. Linkages and Collaborations: National institutes – Institute of Excellence in Higher Education

<p>(IEHE), Bhopal (M.P.), Dr.H.S.Gour University, Sagar, PG Tech. Inst., ONGC, Directorate of Geology and mines, Manganese ore India Ltd., Hindustan Copper Ltd., DAVV Indore, RR CAT Indore, NRCS Indore, IUC Indore, MGMMC Indore, Parental Drug India Ltd. Indore, Disha Fertility Centre Indore, NFI Ltd. Dewas, IVRI Bareilly (UP), IAHVBP Mhow, CHL-Apollo Hospital Indore, Plethico Lab. Indore, Chouksey Lab. Indore, Sahkari Dugdh Sangh Maryadit Indore etc. Agriculture College Indore, BioRe Association Kasrawad, JNU New Delhi, MPUAST Udaipur. International institutes - Research Institute of Organic Agriculture, Switzerland.</p>
<p style="text-align: center;">Admission of Students</p>
<p>The admission process is highly transparent. Rules and regulations of the Department of Higher Education Govt. of M.P. are strictly Followed. Admissions are purely merit based. At UG and PG level candidates are required to apply on-line through admission portal of Higher Education Department along with choice of colleges/Programmes/courses. After that on the merit basis as per the allotment the students can seek the admission in the college. For vacant seats, at the end of merit round, admissions are open for all and filled by college level counselling on merit basis from the present candidates. Entrance test followed by interview is mandatory for admission to M.Phil. courses. The faculty and office staff of the college is involved in administration, verification and admission process.</p>
<p>6.2.2 : Implementation of e-governance in areas of operations:</p>
<p style="text-align: center;">Planning and Development</p>
<p>College has developed its own website having information's about planning of teaching, learning and evaluation through time table, curriculum and examination process for students help. Profile of departments, Students and academic calendar is uploaded on the website. E-tendering process is followed for infrastructure development. Admission and examination fee are collected through online/SBI collect portal is used for this purpose. Scholarships of different schemes are also online through portal of respective schemes. Students can submit their examination form, renewal of admission in next semester/year online. The examination results are uploaded on the website. Students can see their results and download his/her provisional mark sheet from the website by proper login ID. Link of different schemes are available on the website of the college www.collegeholkar.org.</p>
<p style="text-align: center;">Administration</p>
<p>The college has a well-defined administrative set up for the smooth functioning of the institution. While the Principal is as the head of the institution remains at the helm of all the academic and administrative affairs in the college, the administrative officer serving as a link between the principal and the other staff members facilitates day to day administration of the institution. Every teaching department is headed by a senior professor entrusted with the administrative and academic responsibilities of that particular department. There are formed various committees comprising senior and experienced members of the staff for a number of activities taking place on the campus through the year. All information's and communication between AO and various departments are made through e-mail of each department/ through college website. Student's data are maintained online. Each student can view his/her academic data throughout the year. Service record of teaching and non- teaching staff is maintained by Higher education department online through e-service-book, updated every year by college administration using their login ID and password. Employee can view his/her profile online any time anywhere and can get benefit accordingly.</p>
<p style="text-align: center;">Finance and Accounts</p>
<p>The students deposit their fee online through SBI collect portal managed by college. College is using Tally ERP 9.0 for maintaining the books of accounts and Payroll software for salary dispersal of</p>

guest/temporary faculties and employees appointed by JBS. The statutory dues of students and faculties are paid online on time.

Student Admission and Support

The admission process is highly transparent. Rules and regulations of the Department of Higher Education Govt. of M.P. are strictly followed. Admissions are purely merit based. At UG and PG level candidates are required to apply on line through admission portal of Higher Education Department along with choice of colleges/Programmes/courses. After that on the merit bases as per the allotment the student can seek the admission in the college. All the information of the students admitted to the college is available on Higher Education department/College website.

Examination

Examination forms are filled online and admit cards are generated online. CCE marks and examination results are made available on college website; students can view their results online and can download the provisional mark list. Students can submit their exam form, deposit fee through SBI collect, download their admit cards etc online.

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
Nil	Nil	Nil	Nil	Nil

6.3.2 Number of professional development / administrative training programmes organized by the Colleges 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	Dates (from- to)	No. of participants (Teaching staff)	No. of participan ts (Non- teaching staff)
2016-17	Faculty Development Programme	--	27/08/2016	90	--

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	Date and Duration (from – to)
Refresher Course: Environmental Science	01	16/01/2107 to 05/02/2017
Mathematics : FDP on Optimization Techniques	01	12.02.2017 to 17.02.2017

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

Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime
NA	NA	NA	NA

6.3.5 Welfare schemes for	
Teaching staff	<p>Health services: The college has PHC in its premises. Health camps are organized for teaching staff. The college organizes awareness Programmes on AIDS, drugs etc. Various awareness programmes are organized during the session: Vigilance awareness week on 04/11/16 by Red cross Society, Blood donation awareness rally on 31/01/17 by Red cross Society, E Shakti Programme on 23-24/03/17 by Red cross Society, Health Check-up Camp on 22/09/16 by NSS, Madak dravya se bachav on 03/10/16 by NSS, Mahila Shshaktikaran programme on 15/10/16 by NSS.</p> <p>Medical Reimbursements: As per the guidelines of state Govt. medical reimbursements are given to teachers. Group Insurance Scheme is available for all teachers. Reservation scheme in admission of wards in the college of teachers is available.</p> <p>Leaves: As per the rules laid down by the state government various types of leaves like - casual leave, optional leave, earned leave, medical leave are available for all teachers.</p> <p>TWF: 4% Teachers welfare fund is collected and made available by the college as per the necessity of teachers.</p> <p>Academic Facilities: Computer facility with internet is available in library and for all teachers and employees.</p> <p>Staff Quarters: The college provides four residential house for teaching faculties in the college campus.</p>
Non-teaching staff	<p>Health services: The college has PHC in its premises. Health camps organized for teaching staff. The college organize awareness Programmes AIDS, drugs etc. Various awareness programmes are organized during the session: Vigilance awareness week on 04/11/16 by Red cross Society, Blood donation awareness rally on 31/01/17 by Red cross Society, E Shakti Programme on 23-24/03/17 by Red cross Society, Health Check-up Camp on 22/09/16 by NSS, Madak dravya se bachav on 03/10/16 by NSS, Mahila Shshaktikaran programme on 15/10/16 by NSS.</p> <p>Medical Reimbursements: As per the guidelines of state Govt. medical reimbursements are given to employees. Group Insurance Scheme available to all employees. Reservation scheme in admission of wards of employees those who are working in higher education department is available.</p> <p>Leaves: As per the rules laid down by state government various type of leave facilities like casual leaves, optional leaves, earn leaves, medical leaves are available to all employees.</p> <p>Academic Facilities: Computer facility with internet is available in library and for all employees.</p> <p>Staff Quarters: The college provides fourteen residential quarters available for non teaching staff in the college campus.</p>
Students	<p>Health services: The college has PHC in its premises.</p>

	<p>Students can seek health facility and counselling free of cost. Health camp, AIDS and other disease awareness programmes, awareness from drugs programmes etc are organized for the students in the college time to time. Various awareness programmes are organized during the session: Vigilance awareness week on 04/11/16 by Red cross Society, Blood donation awareness rally on 31/01/17 by Red cross Society, E Shakti Programme on 23-24/03/17 by Red cross Society, Health Check-up Camp on 22/09/16 by NSS, Madak dravya se bachav on 03/10/16 by NSS, Mahila Shshaktikaran programme on 15/10/16 by NSS.</p> <p>Teaching and Learning supports: Department of higher education provides smart phones to students while the college provides free Wi-Fi facility to the students so that they are able to incorporate the use of technology while learning. Swami Vivekanand Career Guidance cell, Personality development cell in the college provide counselling regarding the career option. Placement cell invites various companies for campus placement. Remedial classes for slow learners, career counselling, spoken English classes, communication skill programmes are organized from time to time for students. Under book bank scheme of higher education department reading materials (text books) and stationary is provided free of cost to SC/ST students. College provides the counselling facility to students free of cost for their personal and academic problems.</p> <p>Free ship and Scholarship: The college provides half free ship for poor students/ students who have lost their earning parents. The college assists the students in getting bus and railway travel concession passes. Student of the year award is given from each stream to encourage students who excel in academics as well as extra/ co curricular activities. For differently abled students college makes every possible effort to make the campus disabled friendly for persons with disability and ensures that every required infrastructural facility is provided. The college assists the students to life Insurance policy at nominal premium. Kits, uniforms and refreshment are provided to NCC, NSS volunteers. Various scholarships: SC, ST, OBC, Gaon ki beti, Pratibha Kiran, Vikrmaditya, Inspired and Minority scholarships are available for students.</p> <p>Hostel facility: College has a 70 setter boys hostel in the campus.</p>
6.4 Financial Management and Resource Mobilization	
6.4.1 Institution conducts internal and external financial audits regularly (with in 100 words each)	
<p>College conducts internal financial audit. For this various committees are made for smooth functioning of financial activities. Moreover for the internal financial audit the college hire the service of CA, they do the complete financial audit every year. This is a state government college so that the external audit is done by the state government auditors and also by AG MP.</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/ Grants received in Rs.		Purpose
Nil		Nil		Nil
6.4.2 Total corpus fund generated : 1121816				
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	Auth ority
Academic	Nil	Nil	Nil	Nil
Administrative	Nil	Nil	Nil	Nil
6.5.2 Activities and support from the Parent – Teacher Association (at least three)				
The College does not have a formal Parent Teacher Association. However, the college ensures a healthy interaction with the parents. Parents-Teachers Meetings (PTM) are organized by various departments at departmental level in the beginning of each semester. In these meetings in addition to the resolution of individual problems of the students, issues like improvement in the institution, educational system, students benefit policies etc. are discussed. Parents are also apprised of their ward’s progress in the institution. Parents give suggestions and feedbacks in these meetings. The college takes due action on the valuable suggestions provided by the parents.				
6.5.3 Development programmes for support staff (at least three)				
The college encourages and support the staff to attend workshops and training programs conducted by competent authority outside the College like workshop on lab skill training for the laboratory staff of Chemical and Life Sciences, Accounting and office working training to office staff etc.				
6.5.4 Post Accreditation initiative(s) (mention at least three)				
Water Harvesting System: For ground water recharging water harvesting system is installed on the roof of all the buildings of the college.				
Solar Power Panels: For the production of green energy and energy conservation solar power plant setup on the rooftop of the College buildings is under proposal.				
MOU’s and Collaboration: Try to sign MOU with various institutes of national and international repute.				
6.5.5				
a. Submission of Data for AISHE portal : (Yes /No) : Yes				
b. Participation in NIRF : (Yes /No) : Yes				
c. ISO Certification : (Yes /No) : No				
d. NBA or any other quality audit : (Yes /No) : No				

6.5.6 Number of Quality Initiatives undertaken during the year				
Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from---to-----)	Number of participants
2016	Workshop on Know your Biodiversity Seed Technology & Horticulture	29/01/16	29 -30 Jan. 2016	50
2016	Eco-Friendly Farming & Polyhouse Management Seed Technology & Horticulture	06/10/16	6 -7 Oct. 2016	30
2016	Workshop on “Water Resilient Vision 2020”Geology	04/03/16	4 - 5 March 2016	60

FCRITERIONVII –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-to)	Participants	
		Female	Male
Mahila Shashaktikaran (NSS)	15/10/16	120	25
Judo Karate training camp for girls(Self defence Programme)	--	130	--
M.P. Mahila Vitta & Vikas Nigam ki Pariyojnaein (Carrier Guidance Cell)	27/02/17	19	--

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**

A number of measures have been initiated to make the Campus eco-friendly. College has made green policy to conserve the electricity, large size windows in the classrooms and laboratories have been made for good ventilation. Labs are mostly installed with CFL bulbs. In future for production of green energy and energy conservation solar power plant will be setup on the rooftop of the College building, with the expectations that more than two third of power requirements of the college will be met by solar power plant. To maintain a clean environment, the college maintains a vehicle free campus. Garden Committee of the College is instrumental in bringing about major environmental consciousness among students in the college and preserving a green campus.

7.1.3 Differently abled (Divyangjan) friendliness

Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities	Yes	05
Provision for lift	No	Nil
Ramp/ Rails	Yes	05
Braille Software/facilities	No	Nil
Rest Rooms	Yes	05
Scribes for examination	Yes	02
Special skill development for differently abled students	Nil	Nil
Any other similar facility	Nil	Nil

7.1.4 Inclusion and Situatedness**Enlist most important initiatives taken to address locational advantages and disadvantages during the year**

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
2016	01	01	06/10/16	Aastha Old age Home visit (Pharma. Chem.)	Regarding good health and hygiene	21+3

2016	01	01	--	Tree Plantation (1MP BN NCC Girls)	Plantation programme in campus	21+03
2016	01	01	04/11/16	Vigilance Awareness Week (Red Cross Soc. & Oriental Insurance Company)	Vigilance Awareness programme organized in (Vigilance Awareness week)	130+5
2017	01	01	31/01/17	Blood Donation Awareness rally (Red Cross Society)	A rally about awareness of Blood Donation is organized	84+10
2017	01	01	--	Blood Donation Camp (Red Cross Soc. & Loins Club Indore)	Blood donation camp organized in college campus	83+8
2016	01	01	19/09/16	Plantation (Campus) (NSS)	Plantation programme in college campus	75+20
2016	01	01	02/10/16	Plantation (NSS)	Plantation programme on public place	35+08
2016	01	01	22/09/16	Health Check-up camp (NSS)	Health check-up camp for teachers, employees and students organized in the college	47+10
2016	01	01	29/10/16	Blood Donation Rally (NSS)	A rally about awareness of Blood Donation is organized	161+15
2016	01	01	09/11/16	Blood donation camp (NSS)	Blood donation camp organized in college campus	193+35
2016	02	02	06-07/10/16	Eco-friendly farming and Polyhouse Management	Awareness about eco-system	45+05
2016-17	01	--	Continuous process	Scenic Beauty	Maintenance of natural geography	05 + students
2016-17	01	--	Continuous process	Pollution free environment	Maintenance Green area and once a week the staff member and student use bicycle to come the college	05 + students
2016-17	01	--	Continuous process	Facilitate to students for city bus consesional pass	College situated in the city and is properly connected with BRTS roads	students
2016-17	01	--	Continuous process	Facilities of hostels	Various private hostels and	students

					governments post metric hostels are at the walking distance from the College	
2016-17	01	--	Continuous process	Academic environment	University campus is at the walking distance from the college, students can avail the facility of university central library	students
2016-17	01	--	Continuous process	Environment of competitive exams	Many private coaching inst. for competitive examinations like : civil services, banking services, CET etc. Are at the walking distance from the college	

7.1.5 Human Values and Professional Ethics

Code of conduct (handbooks) for various stakeholders

Title	Date of Publication	Follow up (maximum 100 words each)
Code of conduct	18/07/2018	The college functions under the Dept. of Higher Education, Govt. of M.P.. The code of conduct for various stakeholders is regulated by the state government. The state government follows all the rules and regulations given by UGC. The appointment of teachers and other staff is based on the rules laid down by UGC. The college adopts all the measures published in the Gazette of India to maintain the standards in Higher Education. Besides this the college has developed five policies: Green Policy, Research Policy, IT Policy, Women empowerment policy, Values & professional policy.

7.1.6 Activities conducted for promotion of universal Values and Ethics

Activity	Duration (from-----to-----)	Number of participants
Biochemistry: Slum Area Visit	06/02/2017	20
Leadership in Entrepreneurship : (Carrier Guidance Cell) Prof. Bharti Sisodiya, HSC	12/08/16	166

Roll of Communication in Entrepreneurship : (Carrier Guidance Cell) Prof. Sona Sakte, HSC	12/08/16	112
Language Skills : (Carrier Guidance Cell) Prof. Kanta Moolchandani & Prof. T. Abbasi, HSC	17/09/16	56
Myths about common skin problems in young people : (Carrier Guidance Cell) Dr. Sunita Dashore, MD Dermatology	27/09/16	300
Women's Health: What should you know in the 21 st century : (Carrier Guidance Cell) Dr. Nivedita Dashore, MD Obstetrics & Gynaecologist	27/09/16	151
M.P. Mahila Vitta & Vikas Nigam ki Pariyojnaein : (Carrier Guidance Cell) Prof. Sona Sakte, HSC	27/02/17	19
Eco-Frendaly Farming : (Carrier Guidance Cell) Dr. Arun Dike, Director Rangwasa Jaivik Gram Sansthan	06/10/16	101
Polyhouse Management : (Carrier Guidance Cell & Dept. Of Hort.) Dr. Murlidhar Iyyer, Jain Irrigation Sansthan, Tejram Nagar	07/11/16	140
Visit of Polyhouse : (Carrier Guidance Cell & Dept. Of Hort.) Polyhouse of Shri Madan Singh Yadav, Omax City, by pass Indore	07/11/16	140
Debate Competition : (Carrier Guidance Cell) Title- Vartmaan me yuva pidi ko shikhit hone se jyada sanskari hone ki awashyakta	18/01/17	20
Roll of Bank in Entrepreneurship Developments : (Carrier Guidance Cell) Prof. Bharti Sisodiya, HSC	27/02/17	116
Bhotiki me Navpravartan & rojgar sambhavnaein : (Carrier Guidance Cell) Prof. K.N.Chaturvedi, Principal, HSC	24/03/17	417
Udyamita ke Prerak Tatva : (Carrier Guidance Cell) Prof. R.C. Dixit, HSC	24/03/17	417
Swarojgaar evam Entrepreneurship : (Carrier Guidance Cell) Dr. Dheeraj Sharma, Govt. New GDC	25/03/17	457
Mobile repairing Training : (Carrier Guidance Cell & Dept. Of Electr.) MSME Institute, Indore	01-22/02/17	30
Computer Hardware Training : (Carrier Guidance Cell) Prof. Sanjay Vyas & expert team	01-17/02/17	55

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

To reduce pollution and create a eco-friendly campus College is working in various ways.

Energy conservation: Large size windows in the classrooms for good ventilation, labs are mostly installed with CFL bulbs to minimize the expense of electricity.

Water harvesting: Water recharging pits have been constructed at many places in the campus. The college has installed rainwater harvesting water recharge techniques on the roofs of college buildings.

Efforts for Carbon Neutrality: There is no major carbon release, AC facilities are available at the Principal's office, Yashwant Hall, Conference hall and the Examination Department.

Plantation: To make the campus green and eco friendly plantation is done throughout the campus. NSS volunteers and gardeners take care of the plants regularly. With this objective, the college has several well maintained gardens with plants of medicinal values. One sided printed paper and remaining practical file pages are reused.

Free vehicle campus: College has a free vehicle campus. A separate parking area behind the college near the sports ground is maintained by the college. The college staff and students come to the college by bicycle once in a week.

Disposal of Microbial culture: Microbial culture is always autoclaved after use for disposal. The college discourages the use of plastic material.

7.2 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 <https://collegeholkar.org/pdfs/Best%20Practices.pdf>

The college has been constantly following a number of best practices like: **“Butterfly Park”**, **“English Language Laboratory”**, **“Cleanliness Drive in the Campus”**, **“E-News letter & E-Magazine”** etc. Apart from these ongoing practices the college has taken up a number of other best practices like: **Old age home visit. Reuse of papers, Medicinal Park and National Awards in Chemistry** etc.

Title of the Practice -**Butter Fly Park**

The butterfly park of Govt. Holkar Science College is more than just a garden of flowers and butterflies. It is set up as a living-open museum to educate the students and nature lovers as well as a research center to understand the insect world around us. Throughout the year almost 50 different types of butterfly and around 200 other types of invertebrates and vertebrates can be spotted here. Not all plants are used by butterflies for the collection of nectar. So if butterflies were provided with plants from where they collect the nectar they will not only start coming to the garden but breed also. Park at College is an open garden and is not covered to capture the butterfly.

- A. Efforts to make our ecosystem healthier in terms of increased flora and fauna.
- B. To make students and people aware to understand the nature and efforts needed to conserve them.
- C. To make the butterfly garden a bio-lab when in place of dissection of animals alternative ways can be found out.
- D. Involvement of common people and spreading awareness for science and reducing diversity issues.

Values Projected thus the best Practice: ‘If you protect the habitat animals automatically starts living in nature’ is the motto of the Butterfly Park. The College is only providing a very good and protected garden where the Butterfly not only collects the food but breed also. The need for sustainable development is a key to the future of mankind. The degradation of our environment is linked to continuing problems of pollution, loss of forest, solid waste disposal, issues related to economic productivity, and national as well as ecological security. The increasing levels of global warming, the depletion of the ozone layer, and a serious loss of biodiversity have also made everyone aware of growing environmental concerns.

Social Impact: When you develop the concern, you will begin to act at your own level to protect the environment. In the rains and winters, the large activity of the Butterfly can be seen. Butterfly park becomes a hot spot for photographers, naturalists, and researchers. One can see the Butterfly moving around on the campus, collecting nectar, mating, and laying eggs. The media had reported these activities in the newspapers. Studies on diversity have also been carried out by the faculty of the college and during the seminars the presentations have been made. We have prepared a nameplate of about 200 plant species present on the college campus which includes botanical name, common name, and family of plant. This is a practice to inculcate general awareness about plants among students and visitors so that they know more about plant species. Tagging of nameplates to various plants present on the college campus.

Name of the best practice : Reuse of papers

Objective : Reusing a paper several times before repurposing or recycling it prevents waste.

Context- Waste management is the biggest problem for the present as well as the future world.

The Practice- Flipping used paper over and printing on the other side saves money on buying new paper and disposing of used paper.

Evidence of success- Notices, Lab Assignments and CCE marks sheets etc. are printed on used papers.

7.3 Institutional Distinctiveness

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

<https://collegeholkar.org/pdfs/Institutional%20Distinctiveness.pdf>

Microbial Analysis of Water samples from different locations on GHSC campus: To provide facility of safe and healthy drinking water on campus. The quality of a water source may change over time, even suddenly. Changes can go unnoticed as the water may look, smell, and taste the same. The college has drafted its research policy to ensure a safe and healthy environment for everyone who visits the campus for various reasons. One of the best practices initiated for the betterment of facilities provided by the college is to check the water quality on campus to provide safe drinking water on campus for all. The Department of Microbiology has undertaken the project for water analysis. Dr. Sanjay Vyas, Head and faculty members Dr. Deepti Khare, Prof. Anuja Sharma, Dr. Radhika Waghmare along with research scholar Neha Sharma, M.Sc. Final students and staff will be working on this project. Standard Drinking Water Checks will be performed quarterly every year from various departments and drinking points on campus regardless of the water source. Water used by public municipalities and private homeowners must be tested regularly in order to keep the source of water safe and free from environmental risks and potential health disorders. When the water is tested it offers the knowledge; required to address the problem that is currently involved with the water quality. It will also ensure that the water quality is protected from every potential cause of contamination and an appropriate approach is involved with the treatment system. Water testing is carried out to meet the regulatory requirements and adhere to the safety procedures that are needed for pollutant-free water. Sampling of different water sources- tube well and R.O drinking water units on campus. Coliform bacteria- Indicate the presence of microorganisms in the water that are potentially harmful to human health. Total dissolved solids- Represent the amount of inorganic substances (i.e. sodium, chloride, sulphate) that are dissolved in the water. High total dissolved solids (TDS) can reduce the palatability of water. A total of 15 drinking water samples collected from various water sources on campus were analyzed every three months in the session in the Department of Microbiology. It was observed that out of 15 samples, 07 samples which includes the locations – Red Building, Gate 1 (R.O), Gate 1 (outer), Geology department, Examination department (outer) and Library shown contamination by Coliforms in the session 2016-17.

National Award in Chemistry: In the honour of Dr. S.S.Deshpande, the college has constituted an award in the field of chemistry. Dr. S.S.Deshpande served the institution as a dedicated professor. He was also an earnest researcher; he completed his Ph.D. degree under the guidance of Nobel Laureates Dr. Thrope and Dr. Dr.Todd. This award is comprise a cash prize of Rs. 21000/ along with a citation. In the international year of Chemistry the first award was given to Dr.T. Pradeep, IIT Chennai at the event of national seminar organized by the Department of Chemistry. Second and third awards were given Dr.C.S.Gopinath, NCL Pune and K.K.Pant, IIT Delhi.

8. Future Plans of action for next academic year (500 words)

The College and the IQAC has formed a plan to improve the academic and administrative performance of the institution to provide quality education and to develop a learner – centric environment. It is proposed that

- *More classrooms should be converted into smart classrooms. At present we have 5 smart classrooms.*
- *To introduce CBCS system at UG level. As we adopted CBCS system at PG level.*
- *To modernize labs with recent apparatus and established separate labs for UG, PG and research in each department.*
- *To construct a fish farm in the Fisheries Department.*
- *To establish a Bio. Tech. Park in college campus.*
- *To established separate computer labs and seminar halls in each department.*
- *To established a server client architecture in computer lab and an internet gallery in the college.*
- *New academic programmes should be start that would generate employment for the students.*
- *A well equipped modern research wing should be developed in each department for the research scholars and faculty members actively involved in research pursuits.*
- *To construct an auditorium and expand the cultural centre of the college for promoting our rich cultural heritage.*
- *To construct a separate unit for central valuation.*
- *To construct separate well equipped departments with separate cubicles along with computer and internet facility for the teachers, separate PG and M.Phil. class rooms, bigger labs and independent departmental libraries.*

(Dr. T. Abbasi)
(Member IQAC)

(Dr. Vivek Raich)
(Member IQAC)

(Dr. R.C. Dixit)
(Member IQAC & AO)

(Dr. R.K.Sharma)
(Co-ordinator IQAC)

(Dr. Suresh T. Silawat)
(Principal & Chairperson IQAC)
