The Annual Quality Assurance Report (AQAR) of the IQAC

Govt. Holkar(Model, Autonomous) Science College, Indore(M.P.)

(AQAR of Academic Year July 1, 2019 to June 30, 2020)

	-	Da	ta of the l	Institution		
1.	Name of the In	stitution		Govt. Holkar Science Colle		lel, Autonomous) ore
•	Name of the H	ead of the insti-	tution	Dr. Suresh T.		
•	Designation			Principal		
٠	Does the institution campus	ution function f	from own	Yes		
•	Phone no./Alte	rnate phone no).	0731-2446806	5/0731	-2464074
•	Mobile no.	*		9302100611		
•	Registered Em	ail		principalhsc@	rediffn	nail.com
•	Alternate Emai					
•	Address			AB Road, Bha	anwarkı	ua
•	City/Town			Indore		
•	State/UT			M. P.		
•	Pin Code			452001		
2.	Institutional status					
٠	Autonomous S of Conformant	· · ·		01/09/1989		
•	Type of Institu education/Men	tion: Co-		Co-education		
•	Location : Rura		Urban	Urban		
•	Financial Statu			UGC 2f and 12	(B) and	Self-financing (Partially)
•	Name of the IQ ordinator/Direc			Dr. R.K.Sharm		
•	Phone no. /Alte		0	0731-2446806	/ 0731-	-2464074
•	Mobile	F	-	9425081367		
•	IQAC e-mail a	ddress		IQAC_hsc@re	diffma	il.com
•	Alternate Emai			raj rma@yaho		
3	Website addres					
•	Web-link of th			http://www.collegeholkar.org http://www.collegeholkar.org/AQAR2019-20.c		
4	Whether Acaded during the year	emic Calendar	prepared	Yes		
٠	If yes, whether Institutional we	it is uploaded	in the	Yes		(Annexure I)
•	Web link			http://www.co	llegeho	lkar.org
5.	Accreditation I	Details				
Cycle	Grade	CGPA	Year of	Accreditation		Validity Period
1 st	***			2001	from:(05.11.2001 to: 04.11.2006
2 nd	В	2.75		2009	from:	30.09.2009 to: 29.09.2014
3 rd	A	3.23		2016	from:	19.01.2016 to: 18.01.2021
6 .	Date of Establis		∟ ∼∙DD/MM		1	01/11/2003

<u>Part – A</u>

7. Interr	al Quality Assurance	System					
7.1 Qua	lity initiatives by IQA	C during th	ne y	ear for promo	oting quality	culture	
	Item /Title of the quality initiative by IQACDate & durationNumber of participants/beneficiaries						
	meeting of IQAC			20/07/1	19	15	
Regular	meeting of IQAC			25/02/2	20	15	
College	Participated in NIRF	7		27/01/2	20	NIRF Rat 2017(101	•
College	Participated in AISH	Έ		28/02/2	20		
Feedbad	ck from all stakeholde	ers	Ca	ollected and ar	nalyse and		
collected, analysed and used for used for improvement at							
improvements various department level.							
	de the list of Special S CMR/TEQIP/World E				tate Governi	ment-UGC/ CS	R/DST/
Instituti		Scheme		Funding	Year of awa	ard with	Amount
Departn	nent/Faculty			agency	duration		
	Model State Govt. 05/07/85						
Autonomous UGC 09/07/89 to till now							
College of Excellence State Govt. 12/07/18 to till now							
9.	Whether composition of IQAC as per latest NAACYesguidelines						
•	upload latest notification of formation of IQAC Uploaded on Website (Annexure II)						
10.	No. of IQAC meetings held during the year02						
•	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						
11.	and action taken report/Whether IQAC received funding from any of the funding agency to support its activities during the year? Yes/No						
•	If yes, mention the amount and yearNil						
12.	Significant contributions made by IQAC during the current year (maximum five bullets)						
*	 National Workshop on Intellectual Property Rights (12-13/03/20); International Conference on "Recent Advances in Life Science for Betterment of Human Health" (ICRALBEH-19) (14-15/12/19); One week workshop on "Qualitative & Quantitative Analysis" (10-15/10/19); One week Workshop on "Research Methodology" (16-20/12/19) and various webinars between April to June 20 were organized during the session through different departments of the college. Two workshops: "Hardware & Networking" (15-16/11/19); Internship Programme on "Instrumentation Techniques" (06-18/01/20) were organized during the session through different departments of the college. Three training programme/Internship: Short term Tr. On "Advanced Agro Techniques for Entrepreneurship Development" (22/01-14/02/20); Hands on Training Programme 						
	on "Mushroom (employment orient	Cultivation	fo	r self emplo	oyment" (1	0-11/10/19); S	hort term

	during the session through different dep	artments of	f the college.
*	More than 227 faculties were participat		
•	· · ·		
	papers were presented by the facultier		
	Ph.D. degree under the guidance of fa	aculty men	nbers, 01 major project is ongoing,
	About 82 research papers are publish	hed by the	e faculty member in various peer-
	reviewed journals/proceedings during th	•	r in the r
*	CSIR NET CLASSES: Dept. of B		Bioinfo. (01/09-01/12/19); Various
	entrepreneurship development progra		
	organized during the session.		F8
11 DI		1	
	of action chalked out by the IQAC in the lity Enhancement and the outcome achie		
Qua	•		
A 1 '	Plan of Action	A 1 '	Achievements/Outcomes
	programmes proposed:	-	programmes implemented:
<i>(i)</i>	To start B.ScB.Ed., MBA, B.Sc. (Onours)	<i>(i)</i>	B.Sc. (Onors) in Mathematics and
()	courses, M.Sc. in Genetics.		Physics are under proposal.
<i>(ii)</i>	To organize academic tours.	<i>(ii)</i>	Four national /International seminar
(iii)	To organize Lectures /seminars		/conference/Workshops and various
(•)	/workshop/symposium.		webinars were organized during the
(iv)	To start new certificate courses.		session through different departments of
(v)	To start New award if any.		the college.
(<i>vi</i>)	To motivate faculties for Research activities.	(iii)	Three Training/Internship Programme
(vii)	Science Exhibition.		and various other programmes for
(viii)	Remedial Classes.		students were organized during the
			session through differen
			departments/Cells of the college during
			the session.
		<i>(iv)</i>	Bhuvisanwad Programme by Dept. of Geology on 15-16/11/19.
		<i>(v)</i>	More than 227 faculties were
			participated in various
			seminars/workshops. Approx. 05 paper.
			were presented by the faculties in variou.
			seminars during the session.
		(<i>vi</i>)	14 candidates awarded Ph.D. degree
		(11)	under the guidance of faculty member
			during the session.
		(vii)	01 major project is ongoing during the
		(****)	session.
		(viii)	About 82 research papers were published
		(111)	by the faculty member in various peer
			reviewed journals /proceedings.
		(ix)	Switched on annual system at UG leve
		(1)	so that all syllabi at UG(B.Sc.)III Year
			level are revised and introduced.
		(x)	Remedial classes were organized for
		(λ)	
Information	une development proposed.	Infrastruct	slow learners.
	The development proposed:	*	ure development implemented :
<i>(i)</i>	To develop separate blocks for each	<i>(i)</i>	Six new classrooms are unde construction.
(;;)	department. To construct artra classrooms	(;;)	
(<i>ii</i>)	To construct extra classrooms.	(<i>ii</i>)	Fifteen new labs are under construction.
(iii)	To construct new Laboratories	(iii)	Construction of two buildings fo
(iv)	To renovate Playgrounds		computer science department and
(v)	To enrich the Library.	(:)	examination are in progress.
(vi)	Up gradation of Canteen Facility.	<i>(iv)</i>	New canteen and gym buildings are
		()	under construction.
		(v)	First floor of on Library is constructed

 (vi) Old elassrooms in Red-Building, and Yashwant Hall, Language lab, Dept. For S.e. Dept. of Pharma Chemists are renovated during the session. (vii) New building construction for Dept. Geology is under process. (viii) New building construction for Dept. Geology is under process. (viii) Play grounds were renovated during th session. (x) Sheds are installed in front of Office. (x) NSS wing is renovated during th session. (x) One store/workshop hall is construct during the session. (x) One store/workshop hall is construct during the session. (xi) The students participated in the occasion - independence Day, Republic day an grogrammes stel mocorporated as compulsory subject in the curriculum. (vi) Social Welfare Activities: Blood donation camp. Organs/Body donation programme, Awareness about disease-healt like: AIDS, Personal hygiene pr. Health check up camp. Clean environment programme, fradication of child labourers, differentially able Day, Women's Day & "World Diabetes Day" and awareness campaign (vii) Civic Development Activities: Road safety programme, workshop on violence against women, tree plantation. (viii) The NCC curvice and rule session. JUD/VMara Gambi Jayami (11/07/19), NSS can (12-27/11/19), etcouring the session. (21-27/11/19), etcouring the session. (viii) The start Cancer awareness programmes for women empowerment, cancer/ Breast Cancer awareness programmes constitues. Road safety programmes, vorkshop on violence against women, tree plantation. (viii) The NCC caming organized varioi programmes fuels canceler sensitivity. V				and Library building renovated during the session.
 (vii) New building construction for Dept. Geology is under process. (viii) Play grounds were renovated during the session. (iv) Shedas are installed in front of Office, and back side of the office and on front departments during the session. (i) To start cleanliness drive in the college and to make it a polythene free zone. (i) To start cleanliness drive in the college and to make it a polythene free zone. (ii) Gender equality programmes, self-defence programmes etc (iii) Gender equality programmes, self-defence programmes etc (iv) Subject like Moral Values should be incorporated as compulsory subject in the curriculum. (vi) Social Welfare Activities: Blood donation free scient. (vi) Social Welfare Activities: Blood donation programme. Awareness about disease-health like: ADDS, Personal hygiene pr. Health check up camps-Eye testing, Bone density, Lipid profile etc., Vector born disease awareness programme, for women terg dwerners campaign, programmes for women empowerment 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, for women empowerment, cancer Breast Cancer awareness programme, for women empowerment, cancer Breast Cancer awareness programme for women empowerment programmes for World Diabetes Day" and awareness campaign programmes for World Cancer awareness programmes for World Cancer awareness programmes for World Cancer awareness programme for World Cancer awareness about Gender sensitivity. Voting awareness campaign (vi) The Red Cross Society organized various cantarities and built of the sensitivity. Voting awareness campaign 			(vi)	Old classrooms in Red-Building, and in Yashwant Hall, Language lab, Dept. of For. Sc.& Dept. of Pharma Chemistry
 (viii) Play grounds were renovated during the session. (viiii) Sheds are installed in front of Office, are back side of the office and on front departments during the session. (x) Sheds are installed in front of Office, are back side of the office and on front departments during the session. (x) One store/workshop hall is construct. during the session. (x) One store/workshop hall is construct during the session. (x) One store/workshop hall is construct. during the session. (x) One store/workshop hall is construct. during the session. (x) One store/workshop hall is construct. during the session. (x) One store/workshop hall is construct. during the session. (x) One store/workshop hall is construct. during the session. (x) One store/workshop hall is construct. during the session. (x) One store/workshop hall is construct. during the session. (x) To organize lecturers related to Moral values, spirinuality, national integration. India tradition and culture etc. (vi) Social Welfare Activities: Blood donation camp. Organs/Body donation programme. (vi) Social Welfare Activities: Blood donation camp. Clean environment programme. Freducation of child labourers, differnially able Day, Women's Day & "World Diabetes Day" and awareness campaign, programmes for women empowerment, cancer/ Breast Cancer awareness programme, stree plantation. (vii) Civic Development Activities: Road safety programmes for Women empowerment, cander structive, scale ensistivity. Voting awareness campaign (vii) Civic Development Activities: Road safety programmes campaign (viii) Civic Development Activities: Road safety programmes campaign (viii) Civic Development Activities: Road safety programmes campaign (viii) Civic Development Activities: Road safety programmes campaign (viii)			(vii)	New building construction for Dept. of
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(v) The Red Cross Society organized				
Plantation on Kargii Martyr (31/0//19			(V)	
				Blood Donation Camp (31/0//19),
				· · · · · · · · · · · · · · · · · · ·
				(26/01/20), Lecture on scientific basis of
				cancer awareness and training on CPR
				(07/02/20), Health Checkup camp on

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			competition on AIDS Awareness
			(17/01/20), Poster competition on cancer
			Awareness (04/02/20), Visit to
			Musakhedi Slum area and Nutrition
			Awareness (08/08/19), Vigilance
			Awareness Week (29/10-03/11/19 etc
			during the session.
		(<i>vi</i>)	Dept. of Botany organized: National
		(11)	AIDS Control Program, Environment
			Awareness programme on air pollution
			(30/07/19), Plantation Activities:
			Botanical Garden (30/08/19), Tagging of
			Plant (22/09/19), Visit to Jyoti Niwas old
			age home (14/01/20), Vermi compost
			Training: Kasturba Gram (25/01/20)etc.
		(vii)	Dept. of Pharma organized: Poster
			competition: Route of drug
			Administration and dosage form
			(30/12/19), Quiz Competition (14/01/20),
			Astha Old Age Home Visit (14/11/19),
			Alumni Meet (02/11/19) etc
		(viii)	Dept. of Microbiology organized:
			Research Studies on Unknown Foul
			Odour of Indore City" (NovDec. 19),
			Excursion trip: "Parenteral drugs pvt.
			Ltd., Mandlehwar" (22/01/20), PTA
			(04/03/20), Covid-19 Awareness
			Programme (04-06/06/20)etc.
		<i>(ix)</i>	Dept. of Biochemistry organized: Kargil
			Divas Calibration: Basket Ball Complex,
			Indore (28/07/19), Programme on Health
			and Nutrition (16/09 – 12/10/19), Alumni
			Meet (03/11/19, PTA (15/02/20),
			Mushroom Cultivation training
			(06/03/20), Online Quiz : (Nutrition and
			Immunology) (03/06-09/06/20) etc.
		(x)	Dept. of Geology organized: Gosthi-Jal
		()	Evam Paryavaran Sankat, Samadhan
			and Upay (06/08/19).
		(xi)	Dept. of Biotech & Bioinfo. Organized:
		(\mathcal{M})	Plantation: 01/08/19, CSIR NET Classes:
			01/09-30/11/19, Parents Teacher
			meeting: 02/11/19, A visit to Jeevan
			Shala Visharjan Ashram (slum
			<i>area</i>):02/11/19, <i>Science Olympiad</i> :
			29/02/20 etc.
		(xii)	For drinking water "Microbial analysis
			of Water samples from different locations
			on GHSC campus" is conducted by
			Department of Microbiology during the
			session.
		(xiii)	Various programmes organized by Eco
			Club & Dept. of See & Horticulture.
Skill oriente	ed and student mentoring programmes		ted and student mentoring programmes
proposed:		implemente	
<i>(i)</i>	To organize lectures on entrepreneurship	<i>(i)</i>	Entrepreneurship development
	skill development.		programme is taught at the UG level as a
<i>(ii)</i>	To organize lectures on personal grooming,		separate course.
	personality development and attitude	(ii)	-
	building. This will help the students to face	(11)	Carrier Guidance Cell organized various

placement agencies coming to the institution.

- *(iii)* To organize career fair in the college.
- *(iv)* To organize lectures on the use of social networking sites and on awareness for cyber crime.
- (v) Job oriented projects.
- (vi) Entrepreneurship development programme for self employment.
- (vii) To organize Workshop for improving "Communication Skill".
- (viii) Organize Zero hour classes and Bridge classes.
- *(ix)* To organize Remedial classes.
- (x) To organize Classes for the preparation of competitive examinations.
- (xi) To organize talent search examinations.

programmes: *'SWOT'* (29/07/2019); Lecture on 'C.V. Writing' (30/09/2019); Lecture on 'Mock Interview (Practical) (04/10/2019): (व्याख्यान) 'राजीव गाँधी का आई.टी. – कम्प्यूटर में अग्रणी देश हो सपना'' अपना (निबंध) छात्रों में आई.टी. से सबंन्धित कार्य क्षेत्र पर चर्चा (परिचर्चा)(11/11/2019); Lecture on "Career Aspects of Bio Sciences Students in Conservation of National Parks" (12/12/2019); Lectures on "Career Opportunities in Govt. Sector" & "Assessment of Aptitude through hand writing" (30/01/2020); Yoga Meditation (23/09-14/10/19); Lecture on नैतिक मूल्य और विद्यार्थी जीवन'' (07/11/2019); Personal Counseling and Mentoring (23/09-14/10/19) etc.

- (iii) Personality Development Cell organized: Rashtriy Aandolan (21/08/2019); Aatankvad Samasya Evam Samadhan (09/09/2019); Gandhi Evam Aatmnirbharta (10/10/2019); Gurunanak ke Vichar (27/11/2019); Bangladesh Ke Kranti (28/01/2020) etc.
 (iv) Various skill oriented course organized
 - Various skill oriented course organized by various departments: Hands on Training on "Programme on Mushroom Cultivation" for self employment (10 -11/10/19) by Dept. of Horticulture & Seed Technology; Tr. Prog. on *"Advanced* Agro *Techniques* for Entrepreneurship Development" (22/01-14/02/20) by Dept. of Botany & Carrier Guidance Cell; Tr. Prog. on "Organic Farming for Sustainable. Development and Conservation of Environment" (Carrier Guidance Cell & Dept of Seed & Hort.)(28/02-03/03/2020); Lectures on "Bio Diversity Conservation Through a lens of a Forester", "Technology for Avian Studies", "Wild Life Sustainability and Management", "Zoo Management", "Biodiversity by (Biochem & Carrier Guidance Cell)(02/03/2020); Short term employment oriented Tr. On "Health and (16/09-12/10/19 & 02-Nutrition" 31/12/19) by Dept. of Biochem. & Career Guidance Cell; Lecture on career opportunities in Geology (Carrier Guidance Cell & Dept of Geology)(26/11/2019); Lectures on "Job **Opportunities in Questioned Documents**" & "Forensic Examination of Blood, **Bloodstains** and Blood Grouping System" (Carrier Guidance Cell & Dept of For. Sc.)(15/01/2020); Personality *Communication Development* & Programme (Career Guidance Cell &

 (iv) Annual functions and Youth festivals. (ii) Dept. of sport organized Training camp of various games: Volleyball, Basketball, Softball, Chess, Table-Tennis etc during the session. (iii) Department of sport organized Judo Karate training camp for girls in self defence. Yoga training camp during the session. (iv) Yoga Karyakram Surya Namaskar on Vivekanand Jayanti was organized by sports Department. (v) On the occasion of annual function various sports activities organized by the department of sports. (vi) Many cultural and literacy activities organized by the institution during the 	(iii) Literary Activities: Inter-House competitions, House meetings, English recitation, Hindi calligraphy, English calligraphy, Hindi & English elocution (pronunciation) (10/11/19) (District Level), Volleyball(W) (14-15/10/19) (District Level), Volleyball(W)	 state/National/International sport competitions. (ii) Aesthetic and Cultural Activities: On the spot drawing & painting competition, Group singing, Solo singing/ rhymes. Rangoli competitions. (iii) Aesthetic and Cultural Activities: On the spot drawing & painting competition, Group singing, Solo singing/ rhymes. Rangoli (iii) Competition during the session: Basketball(W) (08-09/11/19) (Division Level), Tennis(M)(21/12/19) (Division Level), Tennis(M)(Jan. 20) (Division Level), Teachers/Employee Sports(Feb. 20) (Division Level), Volleyball(M) (09- 	(i) (ii) (iii)	 Physical Activities: YOGA, Judo Karate , sports activities: Institutional/ Division/ state/National/International sport competitions. Aesthetic and Cultural Activities: On the spot drawing & painting competition, Group singing, Solo singing/ rhymes. Rangoli competitions. Literary Activities: Inter-House competitions, House meetings, English recitation, Hindi calligraphy, English calligraphy, Hindi & English elocution (pronunciation). 	implemente (i) (ii) (iii) (iv)	Repairing & fabrication training Workshop (Career Guidance Cell & Dept. of Electronics)(18/11-16/12/19) Tr. On Basic Programming with Python(Career Guidance Cell & Dept. of Electronics)(2019-20); Tr. On Embedded System Design based on Aurdino (Career Guidance Cell & Dept. of Electronics) 2019-20) etc. Remedial Classes organized by Dept. of Zoology, Pharma Chemistry, Chemistry and English for slow learners during the session. Placement cell organized Meetings with HR's of Various Companies. 1605 UG and 248 PG students of las semester have carried out 60 hours jol oriented projects/internship. Total eight companies visited for campus placement and 64 students are placed while 01 students placed off campus and 20 students cleared various competitive exams during the session. Barketball(W) (08-09/11/19) (Division Level), Tennis(M)(Jan. 20) (Division Level), Tennis(M)(Jan.
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 Electronics)(2019-20); Tr. On Embedded System Design based on Aurdino (Career Guidance Cell & Dept. of Electronics)(2019-20) etc. (v) Remedial Classes organized by Dept. of Zoology, Pharma Chemistry, Chemistry and English for slow learners during the session. (vi) Placement cell organized Meetings with HR's of Various Companies. (vii) 1605 UG and 248 PG students of lass semester have carried out 60 hours job oriented projects/internship. (viii) 1605 UG and 248 PG students of lass semester have carried out 60 hours job oriented projects/internship. (viii) Total eight companies visited for campus placement and 64 students are placed. while 01 students placed off campus ana 20 students cleared various competitions. (i) Physical Activities: YOGA, Judo Karate , sports activities: YOGA, Judo Karate , sports activities: YOGA, Judo Karate , sports activities: On the spot drawing & painting competition, Group singing, Solo singing rhymes. Rangoli competitions. (ii) Aesthetic and Cultural Activities: On the spot graning competitions. (iii) Literary Activities: Inter-House competitions, House meetings, English recitation, Hindi calligraphy, English calligraphy, Hindi & House meetings, English celligraphy, Hindi & House meetings, Competition, Hindi calligraphy, English calligraphy, Hindi & House meetings, Competition, Hindi calligraphy, English calligraphy, Hindi & House meetings, Competition, Hindi calligraphy, English calligraphy, Hindi & House meetings, Competition, Hindi calligraphy, English calligraphy, Hindi & House meetings, Competition, Hindi calligraphy, English calligraphy, Hindi & House meetings, Competition, Hindi calligraphy, English calligraphy, Hindi & House meetings, Competition, Hindi calligraphy, Hindi & House meetings, Compe	 Electronics/(2019-20); Tr. On Embedded System Design based on Aurdino (Career Guidance Cell & Dept. of Electronics) (2019-20) etc. (v) Remedial Classes organized by Dept. of Zoology, Pharma Chemistry, Chemistry and English for slow learners during the session. (vi) Placement cell organized Meetings with HR's of Various Companies. (vii) 1605 UG and 248 PG students of lass semester have carried out 60 hours job oriented projects/internship. (viii) 1605 UG and 248 PG students of lass semester have carried out 60 hours job oriented projects/internship. (viii) Total eight companies visited for campus placement and 64 students are placed, while 01 students placed off campus and 20 students cleared various competitions. Co-curricular/community extension programmes proposed: (i) Physical Activities: YOGA, Judo Karate, sports activities: Institutional / Division/ state/National/International sport competition, Group singing, Solo singing/ rhymes. Rangoli competition, Solo singing/ rhymes. Rangoli competitions. 	Electronics)(2019-20); Tr. On Embedded System Design based on Aurdino (Career Guidance Cell & Dept. of Electronics) (2019-20) etc.(v)Remedial Classes organized by Dept. of Zoology, Pharma Chemistry, Chemistry and English for slow learners during the session.(vi)Placement cell organized Meetings with HR's of Various Companies.(vii)1605 UG and 248 PG students of last semester have carried out 60 hours job oriented projects/internship.(viii)Total eight companies visited for campus placement and 64 students are placed, while 01 students placed off campus and 20 students cleared various competitive exams during the session.Co-curricular/community extension programmes proposed: (i)Co-curricular/community extension programmes proposed: (i)(i)Physical Activities: YOGA, Judo Karate ,Co-curricular/community extension programmes implemented:				Dept. of Electronics)(18/11-16/12/19) Tr. On Basic Programming with
 Dept. of Electronics)(18/11-16/12/19); Tr. On Basic Programming with Python(Career Guidance Cell & Dept. of Electronics)(2019-20); Tr. On Embedded System Design based on Aurdino (Career Guidance Cell & Dept. of Electronics)(2019-20); etc. (v) Remedial Classes organized by Dept. of Zoology, Pharma Chemistry, Chemistry and English for slow learners during the session. (vi) Placement cell organized Meetings with HR's of Various Companies. (vii) 1065 UG and 248 PG students of last semester have carried out 60 hours job oriented projects/internship. (viii) Total eight companies visited for campus placement and 64 students are placed, while 01 students placed off campus and 20 students cleared various competitive exams during the session. Co-curricular/community extension programmes proposed: (i) Physical Activities: YOGA, Judo Karate, sports activities: Institutional/ Division/ state/National/International sport competitions. (ii) Aeshetic and Cultural Activities: On the spot drawing & painting competition, Giii) Literary Activities: Inter-House competitions, House meetings, English recitation, Hindi calligraphy, English calligraphy, Hindi & Lavel), Remis Curv. Cichet(District Level), Teanis(M(M) (02-05/11/19) (District Level), Teachers/Employee Sports(Feb. 20) (Division Level), Volleyball(M) (02-05/11/19) (District Level), Teachers/Employee Sports(Feb. 20) (Division Level), Volleyball(M) (02-05/11/19) (District Level) Revence Curv. Cichet(District Level) Revence Curv. Cichet(District	 Dept. of Electronics)(18/11-16/12/19); Tr. On Basic Programming with Python(Career Guidance Cell & Dept. of Electronics)(2019-20); Tr. On Embedded System Design based on Aurdino (Career Guidance Cell & Dept. of Electronics)(2019-20) etc. (v) Remedial Classes organized by Dept. of Zoology, Pharma Chemistry, Chemistry and English for slow learners during the session. (vi) Placement cell organized Meetings with HR's of Various Companies. (vii) 1605 UG and 248 PG students of last semester have carried out 60 hours job oriented projects/internship. (viii) Total eight companies visited for campus placement and 64 students are placed, while 01 students placed off campus and 20 students cleared various competitive exams during the session. Co-curricular/community extension programmes proposes: (i) Physical Activities: NOGA, Judo Karate, sports activities: Institutional/Division/ state/National/International sport competitions. (ii) Aesthetic and Cultural Activities: On the spot drawing & painting competition, Group singing, Solo singing/ rhymes. Rangoli competitions. Dept. of sports organized various competitions. (ii) Dept. of sports organized various competitions. (iii) Dept. of sports organized various competitions. (ii) Dept. of sports organized various competitions. (iii) Dept. (iii) (21/12/19) (Division Level	Dept. of Electronics)(18/11-16/12/19); Tr. On Basic Programming with Python(Career Guidance Cell & Dept. of Electronics)(2019-20); Tr. On Embedded System Design based on Aurdino (Career Guidance Cell & Dept. of Electronics)(2019-20) etc.(v)Remedial Classes organized by Dept. of Zoology, Pharma Chemistry, Chemistry and English for slow learners during the session.(vi)Placement cell organized Meetings with HR's of Various Companies.(vii)1605 UG and 248 PG students of last semester have carried out 60 hours job oriented projects/internship.(viii)Total eight companies visited for campus placement and 64 students are placed, while 01 students placed off campus and 20 students cleared various competitive exams during the session.Co-curricular/community extension programmes proposed: (i)Co-curricular/community extension programmes proposed: (co-curricular/community extension programmes proposed: (i)(i)Physical Activities: YOGA, Judo Karate , implemented:				Computer Hardware, Equipmen Repairing & fabrication training
 Computer Hardware, Equipment Repairing & fabrication training Workshop (Career Guidance Cell & Dept. of Electronics/(18/11-16/12/19); Tr. On Basic Programming with Python(Career Guidance Cell & Dept. of Electronics/(2019-20); Tr. On Embedded System Design based on Aurdino (Career Guidance Cell & Dept. of Electronics/(2019-20); Tr. On Embedded System Design based on Aurdino (Career Guidance Cell & Dept. of Electronics/(2019-20); Tr. On Embedded System Design based on Aurdino (Career Guidance Cell & Dept. of Electronics/(2019-20); Tr. On Embedded System Design based on Aurdino (Career Guidance Cell & Dept. of Electronics/(2019-20); Tr. On Embedded System Design based on Aurdino (Career Guidance Cell & Dept. of Electronics/(2019-20); Tr. On Embedded System Design based on Aurdino (Career Guidance Cell & Dept. of Electronics/(2019-20); Tr. On Embedded System Design based on Aurdino (Career Guidance Cell & Dept. of Electronics/(2019-20); Tr. On Embedded System Design based on Aurdino (Career Guidance Cell & Dept. of Zoology, Pharma Chemistry and English for slow learners during the session. (vi) Placement cell organized Meetings with HR's of Various Companies. (vii) Total eight companies visited for campus placement and 64 students are placed, while 01 students placed off campus and 20 students cleared various competitions. (i) Dept. of sports organized various competitions. (ii) Aesthetic and Cultural Activities: On the spot drawing & paining competition, Group singing, Solo singing/ rhymes. Rangoli competitions. (iii) Literary Activities: Inter-House competitions, House meetings, English recitation, Hindi calligraphy, English calligraphy, Hindi & 	 Computer Hardware, Equipment Repairing & fabrication training Workshop (Career Guidance Cell & Dept. of Electronics)(18/11-16/12/19); Tr. On Basic Programming with Python(Career Guidance Cell & Dept. of Electronics)(2019-20); Tr. On Embedded System Design based on Aurdino (Career Guidance Cell & Dept. of Electronics)(2019-20); Tr. On Embedded System Design based on Aurdino (Career Guidance Cell & Dept. of Zoology, Pharma Chemistry, Chemistry and English for slow learners during the session. (vi) Placement cell organized Meetings with HR's of Various Companies. (vii) 1605 Various Companies. (viii) 1605 Various Companies. (viii) 1605 Various Companies. (viii) 1601 students placed off campus and 20 students cleared various competitive exams during the session. Co-curricular/community extension programmes proposed: (i) Physical Activities: YOGA, Judo Karate, sports activities: Institutional/Division/ state/National/International sport competitions. (ii) Aesthetic and Cultural Activities: On the spot drawing & painting competition, Group singing, Solo singing/ rhymes. Rangoli commetitions. Consumer Land Cultory Physics Rangoli competitions. 	ComputerHardware,EquipmentRepairing& fabricationtrainingWorkshop(CareerGuidanceCell &Dept. ofElectronics/(18/11-16/12/19); Tr.OnBasicProgrammingWithPython(CareerGuidanceCell &Dept. ofElectronics/(2019-20); Tr.Tr.OnElectronics/(2019-20); Tr.Tr.OnBasicProgrammingwith Python(CareerGuidanceCell &Dept. of Electronics/(2019-20); 2019-20) etc.(v)RemedialClasses organized by Dept. of Zoology, PharmaChemistry, Chemistry and English for slow learners during the session.(vi)Placementcell organized Meetings with HR's of Various Companies.(vii)1605 UG and 248 PG students of last semester have carried out 60 hours job oriented projects/internship.(viii)Total eight companies visited for campus placement and 64 students are placed, while 01 students laced off campus and 20 students cleared various competitive exams during the session.Co-curricular/community extension programmes proposed: (i)Physical Activities: YOGA, Judo Karate ,				

	. ,	ual functions and youth festival were anized during the session.
	. ,	<i>ny students achieve awards/Medals</i> <i>ing the session (Listed in 5.3.1)</i>
14. Whether the AQAR was placed before statutory bo	dy?	No
Yes /No		
Name of the statutory body: Nil		Date of meeting(s): Nil
15. Whether NAAC/or any other accredited body(s) vi the functioning? Yes/No: Yes	_	
NAAC	Date:	07 - 09/12/2015
Autonomy Team	Date:	12 - 13/05/2017
ridtonomy ream		12 - 13/03/2017
16. Whether institutional data submitted to AISHE		Yes
	Date of S	
16. Whether institutional data submitted to AISHE		Yes

Management information system is a system formed and developed by the institution for updating, co-ordinating, analysing and controlling various information in the organization. College has Partially Management Information System.

In Govt. Holkar Science College the IT cell of the examination department manages and uploads news and information from time to time on the college website. The IT cell has created student's profile where all the details of the students seeking admission in the college are readily available. The students can see their results, fill the examination form can print out their admit cards etc. online. In addition to this the IT cell also update the details given to it by various Departments like - information regarding workshops, seminars and conferences etc. organized and also those which will be organized in future. The IT cell displays and uploads all the official notices on the website. In a nutshell the objective of MIS is to share notices, results, admission process, ongoing activities etc. with the students, faculty members and all those who want to seek information about the college.

The college has a well-defined administrative set up for the smooth functioning of the institution. The administrative procedure and fee structure are given in the college brochure and they are also displayed on the college website- <u>www.collegeholkar.org</u>. This information can also be sought directly from the college inquiry office. 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. 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. Constant monitoring is done to avoid any slackness in the administration.

Being an autonomous institution the college has its own examination department. All the activities related to the exam are carried out by this department. The administrative staff of the examination department comprises controller, deputy controller, several clerks and the peons. Students can seek information regarding their examination queries from the exam department directly. All information regarding examinations the student can seek from college website. Fee collection is online through SBI collect. Student can submit their form online, can see their results and download provisional mark sheets online from college website.

Admission to the college is based on merit basis is done online through a central agency appointed by the Dept. of Higher Education Govt. of MP.

words):

The student's record is maintained in the office of the principal as well as in the exam department. The statistics related to the students is also uploaded on the college website. This information is updated on the portal of AISHE also.

Every teaching departments of the college has been equipped with internet/Wi-Fi in order to facilitate research activities. The college website is regularly updated.

The students passing out from the college have to fill a feedback form. It helps to trace the location and to keep the data of the students as they give their details regarding the college they have taken admission or sought jobs at various companies.

CRITERION I–CURRICULAR ASPEC	TS	
1.1 Curriculum Design and Deve	lopment	
1.1.1 Programmes for which syllab	ous revision was	carried out during the Academic year
Name of programme	Programme Code	Dates of revision
UG - B.Sc.	U001	Chemistry(20/06/19), Biotechnology(03/06/19),
		Computer Sc.(12/07/19),
		Zoology(18/10/19),
		Botany(22/06/19),
		Bioinformatics $(03/06/19)$, Bio Chamistry $(06/07/10)$
		Bio Chemistry(06/07/19), Microbiology(25/06/19),
		Pharma Chemistry(17/07/19),
		Horticulture(05/07/19),
		Seed Tech.(06/07/19),
		Forensic Sc. (06/08/19),
		Geography(27/06/19),
		Fisheries(28/05/19),
		Geology(21/06/19),
		Physics(05/07/19),
		Electronics(24/06/19),
		Mathematics(08/07/19),
		Statistics(31/07/19),
		Economics(31/07/19),
		English Lang. (20/07/19),
		Entr. Dev.(20/07/19),
		Hindi Lang. & Moral Value(10/07/19).
UG – BCA	U002	12/07/19
PG - M.Sc. – Bio Chemistry	P003	06/07/19
PG - M.Sc. – Bio Technology	-do-	03/06/19
PG - M.Sc. – Botany	-do-	26/06/19
PG - M.Sc. – Chemistry	-do-	20/06/19
PG - M.Sc. – Computer Sc.	-do- -do-	12/07/19
PG - M.Sc. – Fisheries PG - M.Sc. – Forensic Sc.	-do- -do-	28/05/19
PG - M.Sc. – Folensic Sc. PG - M.Sc. – Geology	-do- -do-	06/08/19 21/06/19
PG - M.Sc. – Mathematics	-do-	08/07/19
PG - M.Sc. – Microbiology	-do-	25/06/19
PG - M.Sc. – Pharma. Chemistry	-do-	17/07/19
PG - M.Sc. – Physics	-do-	05/07/19
PG - M.Sc. – Statistics	-do-	31/07/19
PG - M.Sc. – Zoology	-do-	18/10/19
M.Phil. – Bio Chemistry	P004	06/07/19
M.Phil. – Bio Technology	-do-	03/06/19
M.Phil. – Botany	-do-	26/06/19
M.Phil. – Chemistry	-do-	20/06/19
M.Phil. – Comp. Sc.	-do-	12/07/19
M.Phil. – Zoology	-do-	18/10/19

during the Aca Programme with Code	Date of Introd uction	Course with Code	Date of Introducti on
All programmes listed in 1.1.1 are employable	July 19	All courses are employable. Some of them are listed below. For detailed nomenclature of courses visit our website www.collegeholkar.org (Annexure IV)	July 2019
		Biochemistry at UG(101-301)	July 2019
		Bioinformatics at UG(102-302)	July 2019
		Biotechnology at UG(103-303)	July 2019
		Computer Sc. at UG(106-306)(153-155, 253-255, 352- 355, 451-456, 552-554, 651-654), 310	July 2019
		Electronics at UG(107-307)	July 2019
		English Lang. at UG(108-308),156	July 2019
		Hindi Lang. at UG(109-309),256	July 2019
		Geology at UG(111-311)	July 2019
		Horticulture at UG (112-312)	July 2019
		Fisheries at UG(113-313)	July 2019
		Mathematics at UG(114-314) (151,251,351,451,551)	July 2019
		Microbiology at UG(115-315)	July 2019
		Pharma Chemistry at UG(116-316)	July 2019
		Seed Tech. at UG(118-318)	July 2019
		Statistics at UG(119-319)(152,252)	July 2019
		Forensic Sc. at UG(122-322)	July 2019
		Entrepreneurship Development at UG (110,356,456)	July 2019
		Biochemistry at PG(BC11-14,21-24,31-34,41-44)	July 2019
		Biotechnology at PG(BT11-14,21-24,31-34,41-44)	July 2019
		Botany at PG(BO11-14,21-24,31-34,41-44)	July 2019
		Chemistry at PG(CH11-14,21-24,31-34,41-44)	July 2019
		Computer Sc. at PG(CS11-14,21-24,31-34,41-44)	July 2019
		Fisheries at PG(F11-14,21-24,31-34,41-44)	July 2019
		Forensic Sc. at PG(FS11-14,21-24,31-34,41-44)	July 2019
		Geology at PG(G11-14,21-24,31-34,41-44)	July 2019
		Mathematics at PG(M11-15,21-25,31-35,41-45)	July 2019
		Microbiology at PG(MB11-14,21-24,31-34,41-44)	July 2019
		Pharma Chem. at PG(PC11-14,21-24,31-34,41-44)	July 2019
		Physics at PG(P11-14,21-24,31-34,41-44)	July 2019
		Statistics at PG(S11-14,21-24,31-34,41-44)	July 2019
		Zoology at PG(Z11-14,21-24,31-34,41-44)	July 2019
		60 hours job oriented project/internship is mandatory for the students of last semester/year at UG and PG level.	July 2019
1.2 Academic	Flexibilit		
1.2.1 New prog	grammes/c	courses introduced during the Academic year.	
Programme/Co			Date of Introduction
Molecular Bio	logy (Pape	er-I) UGIII	06/07/19
			06/07/19

Biostatistics (Paper-I) UGIII	03/06/19
Mathematics for Biological Science (Paper-II) UGIII	03/06/19
Molecular biology and Genetic Engineering (Paper-I) UGIII	03/06/19
Applied Biotechnology (Paper-II) UGIII	03/06/19
Plant Physiology & Biochemistry (Paper-I) UGIII	22/06/19
Cell Biology Genetics & Biotechnology (Paper-II) UGIII	22/06/19
Physical Chemistry (Paper-I) UGIII	20/06/19
Inorganic Chemistry (Paper-II) UGIII	20/06/19
Organic Chemistry (Paper-III) UGIII	20/06/19
Database Management System (Paper-I) UGIII	12/07/19
Operating System Concept (Paper-II) UGIII	12/07/19
Thyristors, IC technology, Microprocessor & Electrical Motors (Paper-I) UGIII	24/06/19
Communication Electronics (Paper-II) UGIII	24/06/19
English Language (Paper-I) UGIII	20/07/19
Hindi Language (Paper-II) UGIII	10/07/19
Computer Concept (Paper-III) UGIII	12/07/19
Palaeontology and Stratigraphy (Paper-I) UGIII	21/06/19
Earth resources and Applied Geology (Paper-II) UGIII	21/06/19
Soil Productivity & Agro Forestry (Paper-I) UGIII	05/07/19
Processing of Horticultural Crops & Value addition (Paper-II) UGIII	05/07/19
Fishery Economics & Extension Education (Paper-I) UGIII	28/05/19
Limnology and Fish Productivity (Paper-II) UGIII	28/05/19
Linear Algebra & Numerical Analysis (Paper-I) UGIII	08/07/19
Real and Complex Analysis (Paper-II) UGIII	08/07/19
Optional (Paper-III) UGIII	08/07/19
Applied & Environmental Microbiology (Paper-I) UGIII	25/06/19
Immunology & Medical Microbiology (Paper-II) UGIII	25/06/19
Medical Chemistry - II (Paper-I) UGIII	17/07/19
Instrumental Analysis (Paper-II) UGIII	17/07/19
Quantum mechanics & Spectroscopy (Paper-I) UGIII	05/07/19
Solid State Physics, Semiconductor (Paper-II) UGIII	05/07/19
Seed Pathology & Entomology (Paper-I) UGIII	06/07/19
Seed Processing, Storage & Marketing (Paper-II) UGIII	06/07/19
Applied Statistics (Paper-I) UGIII	31/07/19
SQC & Design of Experiments (Paper-II) UGIII	31/07/19
Genetics (Paper-I) UGIII	18/10/19
Ecology and Applied Zoology (Paper-II) UGIII	18/10/19
Development & Environment Economics (Paper-I) UGIII	31/07/19
Statistics (Paper-II) UGIII	31/07/19
Forensic Medicine & Toxicology (Paper-I) UGIII	06/08/19
Detective Tools & Techniques (Paper-II) UGIII	06/08/19
Geography & India (Paper-I) UGIII	27/06/19
Environment & Resources (Paper-II) UGIII	27/06/19
Forensic Sc. PG - Computer & Cyber Forensic	06/08/19
Chemistry PG - Chem-Informatics	20/06/19
1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective C	
implemented at the College level during the Academic year.	2
Name of Programmes UG Date of implementation of CBCS / UG	G PG

adopting CBCS PG Elective Course System						
Already adopted (mention the year)	Ni	l 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	Number of				
	introduction	students				
		enrolled				
Hardware/ Networking workshop: Dept. of Comp. Sc. & Astha	15-16/11/19	250				
Mishra, Amit Pandit						
Computer Hardware, Equipment Repairing & Fabrication	18/11/19	36				
Tanning Workshop						
Certificate Course on Basic Programming with Python: Dept. of	24/01/2020	36				
Electronics						
Certificate course on Embedded System Design using Arduino:	24/01/2020	20				
Dept. of Electronics						
Personality Development & Communication Skill for M.Sc.	23/09-13/10/19	9 88				
Student: Dept. of Chemistry & Carrier Guidance Cell						
Psychological counseling center is started for UG and PG	23/09-13/10/19	9 80				
Students : Dept. of Chemistry & Carrier Guidance Cell						
Internship Programme on "Instrumentation Techniques": Dept.	06-18/01/20	48				
of Chemistry & Pharma. Chem.						
Short term Tr. On "Advanced Agro Techniques for	22/01-14/02/2	25				
Entrepreneurship Development"(student's): Dept. of Botany						
Hands on Training Programme on Mushroom Cultivation for	10 -11/10/19	30				
self employment (student's)(Dept. of Hort. & Seed)	00/00/00					
Bio Diversity (Students) (Dept. of Zoology & Fisheries)	02/03/20	25				
Short term employment oriented tr. On "Health and Nutrition"	16/09-12/10/19	9 40				
(Students)(Dept. of Biochem. & Career Guidance Cell)	01/00 01/10/1	25				
CSIR NET CLASSES: Dept. of Biotech.& Bioinfo.	01/09-01/12/19	9 35				
1.3.2 Field Projects / Internships under taken during the year	NI Catalant	11 1 . C				
Project/Programme Title	No. of students					
60 hours ich aniented project/intermatin is mandatary for each	Field Projects	mernships				
60 hours job oriented project/internship is mandatory for each						
student at UG level at in the last year/semester: Teaching and school management, Pathology, Forestry, Vermicompost, Cow						
manure and Management, Fish Farm; Instrumental						
Techniques;Computer software & Hardware, Zoo management,						
Pathology & Pharmaceutical Lab, Museum Management;						
Nursery, Fruit Preservation; Basic Computer, Library	16	05				
Management, Nursery Management, Cyber Café, HTML etc.;	10	00				
Geological field study; Mushroom Culture, Trees of Zoo, Plant						
Tissue Culture, Forest Nursery, Flora in Zoo, Horticulture,						
Tissue Culture, Forest Nursery, Flora in Zoo, Horticulture, Vermicomposting, Food Preservation, Floriculture, Organic						
Forming, Soil Analysis, Bonsai Techniques. Crime scene						
management, Pathology and Impression marks, NGO etc.						
60 hours job oriented project/internship is mandatory for each						
student at PG level at in the last semester : Instrumental		0				
Techniques; Pollution, Laboratory, Computer hardware and	24	ю				
networking, Pathology, Veterinary Medical; Printing Press,						

Media Work, Cyber Security, DTP, Fisheries; Geological field	
study; Bio Fertilizer, Cow pat pit biodynamic compost,	
Questioned Document, Anthropology, Crime Scene,	
Investigation, DNA, Profiling and Serology, Wheat crop	
improvement, Wheat breading.	

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)

Due to Corona pandemic the feedback of students are taken on the impact of covid-19: On Impact of Covid – 19 on mental status of students.

Most government around the world has temporally closed education institution in an attempt to reduce the spread Covid-19.In our opinion this lockdown has many adverse effect on the college students. Looking to this we have studied the impact of Covid -19 on the students of Holkar Science College, Indore (M.P.), which is leading science institution of central India and catering students of various district of Madhya Pradesh.

For this study a survey was designed to assess initial psychological impact of Covid-19 among college students (fears, worries and impairment in sleep etc.). We collected data using an online survey platform (Google form) to minimize face-to-face or physical interaction as students continued to isolate themselves at home. Students were invited through a text message, which lead them to a Google form page designed by authors. All students who have enrolled to Holkar College were sent the message for participation in this Covid study survey. The period of Goggle form submission was between 22 May,2020 to 07June,2020. has

The goggle form has some questions regarding their psychological state. The questions in the survey were closed questions wherein respondents were requested to choose between certain options. We receive 2484 response from students of different classes (UG and PG). We have analysis the all 2484 responses. The outcome on various parameters is given below:

<i>Q. No.</i>	Question	YES	MAYBE	NO
1	Are you feeling more nervous, anxious or on edge?	1774	327	265
2	Are you worrying too much about its effect on your health and safety?	1563	321	257
3	Are you worrying too much about its effect on your family's health and safety?	1756	239	167
4	Are you worrying too much about its effect on your studies	2332	157	131
5	Are you becoming so restless that it is hard to sit still?	1237	676	420
6	Are you losing interest or pleasure in doing things?522919	1217	679	444
7	Are you facing trouble falling asleep or staying asleep, or sleeping too much?	1001	970	0
8	Are you feeling tired or having little energy?	963	969	0
9	Are you struggling in keeping your Schedule while you are at home during lock down ?661618	1545	374	421
10	Has COVID 19 disturbed your future plan681220	1592	281	468

On the basis of results obtained in the present study we can conclude that students were more nervous, anxious, tired and less energetic during lockdown period and were worried about health and future

Apart from this feedback, various departments have been taken feedback at departmental level from various stakeholders. The feedback is analysis and the step taken as per the analysis.

	N II - TEACHING) EVA	LUATION				
	nt Enrolment a								
	nand Ratio durin	g the			NT 1 (1	• 1	<u><u>G</u>(1)(</u>
Name of t	he Programme		Number of		Number of	app	lications re	eceived	Students
			seats availa	able	Not Available (Online Admission				Enrolled
UG - B.Sc	2.		2610				·		2601
					done centra			i Higher	
UG - BCA	\		120		education	JUVI	-do-		120
	.–BioChemistry		40				-do-		31
	-Bioechnology		20				-do-		20
	c. – Botany		30				-do-		28
	c. – Chemistry		60				-do-		55
	c.– Computer Sc.		30				-do-		29
	c. – Fisheries		20				-do-		11
	c. – Forensic Sc.		40				-do-		38
<u>PG - M.So</u>	c. – Geology		40				-do-		35
PG - M.So	c. – Mathematics		75				-do-		74
PG -M.Sc	Microbiology	7	30				-do-		29
	Pharma. Chem	l .	25				-do-		22
	c. – Physics		35			-do-			
	c. – Statistics		25			-do-			
	c. – Zoology		25						25
	Bio Chemistry		05						00
	Bio Technology		05						01
M.Phil. –			10						00
	Chemistry		10						02
	Comp. Sc.		10						02
M.Phil. –	01		10						03
	ing to Student I					<u> </u>			
	dent – Full time					a)	Maria	- 6 6 - 11	Nieuralie
Year	Number of students		mber of dents		ber of full teachers		Number time teac		Number of teachers
	enrolled in		olled in		lable in the		available		teaching
	the institution		institution		tution teachi	nσ	institutio		both UG
	(UG)	(PC			UG courses	-	teaching		and PG
		(. .	- /	July	2 2 2001000		courses		courses
2019-20	5896		697		195)2	195
	ing - Learning	Proc	ess	1			1		
	entage of teache			effec	tive teaching	g wit	th Learnin	g Manage	ment
	(LMS), E-learnir								
Number	Number of		ICT tools		lumber of		mber of	E-resource	es and
of	teachers using		and	IC	CT enabled	sma	art	technique	es used
teachers	ICT (LMS, e-		resources	cl	lassrooms	cla	ssrooms		
on roll	Resources)		available						
195	125		Available	e	23		13		d Projector,
								Power Po	
								Presentat	· · · · · · · · · · · · · · · · · · ·
								Library (uei-net

		Infibnet), e-book,
		online videos & animation, Internet,
		etc.

2.3.2 Students mentoring system available in the institution? Give details. (maximum 500 words) For mentoring of the students proctors are assigned for every class and section of UG and PG classes by the institute. The proctor acts as a mentor for the students of his section and he guides the students throughout the session. Mentor/proctor periodically meets the students to solve their problems. Proctors continuously monitor, counsel and motivate students and help him in academic matters. Students are also free to meet the proctor at any time to discuss their problems, if they have any. The proctor also meets the parents/ guardians of the students if required. Activities like seminars and open sessions are organized for helping the students to choose the correct career path. Mentors acts as a link between the students and the institution and perform following functions:

- Sign Identity card of the student and conform admission of student in the binging of the session.
- Meet the students regularly throughout the session.
- Continuously monitor, counsel, guide and motivate the students in all academic matters.
- Advice students regarding choice of electives, projects, summer training in industries etc.
- Contact parents/ guardians occasionally.
- Advice student in their carrier development.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee
		Ratio
6593	195	1:34
2.4 Teacher Droffle and Quality	•	•

2.4 Teacher Prom	e 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: 107	87	20	Recruitment done by Govt.	74				
Guest Faculty (Govt.)	14	0	14	06				
Guest Faculty:94	94	0	94	19				

 Guest Faculty.94
 94
 0
 94

 2.4.2 Honours and recognitions received by teachers

 (received awards, recognition, fellowships at State, National, International level from

 Government, recognised bodies during the year)

Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019-20	Dr. Kislaya Pancholi	Professor	 Shikshak Patra(Denik Bhaskar):National Level KDP Pen to publish Contest award: International, Amazon.in
2019 -20	Dr. Seemavati Sisodiya	Asst. Prof.	National level certificate of recognition by National AIDS control organization.
2019-20	Dr. A. Bafna	Asst. Prof.	Best Paper Presentation

	2019-20	Tasneem	n Rangy	wala	Asst. Pr	of.	1.	Young S	cient	tist Award	
			-				2.	Best Pap	er Pr	resentation	
	2019-20	Dr. Shw	eta Har	diya	Guest F	aculty	Senior	· Scientist	awar	·d	
	2019-20	Anuja Sl	harma		Guest F	aculty	Young	Young Scientist Award			
	2019-20	Dr. Sanj	ay Vya	S	Professo	or	Appre	ciation aw	vard f	for research: O	GHSC
	2019-20	Dr. Deep	oti Kha	re	Guest F	aculty	Appre	ciation aw	vard f	for research: O	GHSC
				d Reforms							
				the date of	semester-o	end/ ye	ear- end	examinati	on ti	ll the declarat	ion of
		aring the ye									
	Progra	Program	Seme	ster/ year	Last date					ration of resul	ts of
	mme	me			semester-					year- end	
	Name	Code			end exam			examinat			
	B.Sc.	U001	Year			.09.20				20.10.20	
	B.C.A.	U002	Seme			.09.20				20.10.20	
	MSc.	P003	Seme			.09.20				20.10.20	
										igainst total n	umber
										re-totalling	
		of complain	nts or g	rievances			r of stude		Per	centage	
	about eva	about evaluation			appear		the exan	nination			
		2	9				1400			2.07%	
				and Learn			1		C	11	<u> </u>
										all programs	
	by the ins	stitution are	e stated	and display				tution (to	prov	ide the weblin	1K)
	0 (0 D		6	1 /	(Anne	xure V	()				
		s percentag				NT	1 6 4	1 4			
	Progra	Progra		er of studen			Number of students passed in final Semester			Pass Percentage	
	mme	mme	• •	red in the fir	hal year	-			r		
	Code	name D C -	exami			/year	examina				•
	U001	B.Sc.		1522			15			99.8%	
	U002	B.C.A.		83			8.			100%	
	P003	M.Sc.	-4	248			24	8		100%)
		ent Satisfa			C)	- 11 1 4	· · · · · · · · · · · · · · · · · · ·			T	
								-		(Institution mathematical math	ау
	design th	e questioni	laire) (l	results and c	letans de p	orovide	ed as we	onnk) res	s (An	nexure VA)	
Stu	dent Satisfa	action Surv	ev has	been condu	cted during	e the s	session."	The output	t is a	s follows:	
Q.	Questions		<i>cy</i>	Parameters		<u>,</u>		ine ompu		o jene not	
No. 01	How much or	f the syllabus v		85 to 100%	70 -84		55-69	30-54		Below 30	
01	covered in th		vas	61.1	29.8		9	50-54		Below 30	
02		l the teachers p	orepare	Thoroughly	Satisfacto	ry I	Poorly	Indiffer	rently	wont teach at	
	for the classe	es?		38.4	53.5		2	1		all 1	
03	How well we	re the teachers	able to	Always	Some time		Iust	Genera	ally	1	Very
	communicate			effective	effective	2	satisfactory				poor
04	The teacher,	annuo ach t-		65.3 Excellent	21.2 Varn 2000		10 Cood	Fain		Boor	
04		s approach to best be descri	bed as	Excellent	Very good 45.6		<u>Good</u> 32.4	Fair 17.9		Poor	+
05	Fairness of th	he internal eva		Always fair	Usually	Ľ	Sometimes	Usually	у	Unfair	1
	process by th	e teachers		62.6	27.7	1	unfair	unfair			<u> </u>
06	The institute	takes active in	terest in	62.6 Regularly	37.7 Often		Sometimes	Rarely		Never	I am not
50	momme			onur ty	Sjich			innery			

	promoting internship, field visit			unfair			final
	opportunities for students	438	10.9	13.1			25.9
07	The institution provides multiple opportunities to learn and grow	Strongly disagree	Disagree	Neutral	Agree	Strongly agree	
		20,2	6	15.4	40.9	17.5	
)8	Your mentor/ proctor does a necessary follow-up with an	Every time	Usually	Occasionally	Rarely	I don't have mentor	
	assigned task to you.	54.2	27.2	11.2		menuor	
9	The teachers illustrate the concepts through examples and	Every time	Usually	Occasionally	Rarely	I don't have mentor	
	applications.	60.3	27.6				
0	The teachers identify your	Fully	Reasonably	Partially	Slightly	Unable	
-	strengths and encourage you with providing right level of challenges.	58.1	21.9	9,1	~~~~~		
1	Teachers are able to identify your	Every time	Usually	Occasionally	Rarely	Never	
-	weaknesses and help you to overcome them	54.3	21.1	12.7	7		
2	The institution makes effort to engage students in the monitoring,	Strongly	Agree	Neutral	Disagree	Strongly	
	review and continuous quality	agree 40.7	42.2	12.2		disagree	
	improvement of the teaching learning process.	40./	42.2	12.2			
3	The institute/ teachers use student centric methods, such as	To a great extent	Moderate	Some what	Very little	Not at all	
	experiential learning, participative learning and problem solving methodologies for enhancing learning experiences.	51.7	31.2				
4	Teachers encourage you to	Strongly	Agree	Neutral	Disagree	Strongly	
	participate in extracurricular	agree				disagree	
	activities.	44.3	42.8				_
5	Efforts are made by the institute/ teachers to inculcate soft skills, life	To a great extent	Moderate	Some what	Very little	Not at all	
	skills, personality development and employability skills to make you ready for the world of work	51.6	29.1	1	1	1	
6	What percentage of teachers use	Above 90	70-89	50-69	30-49	Below 29	
0	ICT tools such as LCD projector, Multimedia etc. while teaching and practical	20.3	35.8	21.6		14.1	
!7	The overall quality of teaching- learning process in your institute is very good.	Strongly agree	Neutral	Disagree	Strongly disagree		
		63.9	31.3				
8	Percentage of classes attended	81-100	61-80	41-60	21-40	0-20	
		30.4	51.1	11.7			
9	Number of hours per week spent on	2 to 4	4 to 6	6 to 8	8 to 10		
	the course (Other than lecture hours)	35	36.3	21.2	7.6		
		0 and 21 are re	lated to Preparati	on for the course b	y the student		
0	Have done part of this course earlier	Yes 78.3	No 21.7				
1	Has adequate prior exposure to the	78.5 Yes	21.7 No	+			
1		Yes 83.4	NO 16.6				
	prerequisites			s for taking the co	ungo by the at	lout	
2	Enhance by skill base in the area	Yes	No	s for taking the col	nise by the stua		
2	of specializations	93.6 Var	λ7				
3	Get exposed to a relevant subject	Yes	No				
1	Contractor	92.6	7.4				
24	Curiosity	Yes 96.9	No				
25	Better Employment Opportunity	yes	no		1		
-	Single give in opportunity	84.5	15.5		+		

CRITERION III – RE	SEARC	CH, INNOVATIO	ONS AND E	XTENSION				
3.1 Promotion of R	esearc	h and Faciliti	es					
3.1.1 The institution	provid	les seed money	y to its tead	chers for re	search			
Yes No	if y	ves give details						
Name of the teacher Th		The amount of	seed	Year of re	eceiving grant	Duration	of the grant	
getting seed money	1	money						
Nil		Nil			Nil		Nil	
3.1.2 Teachers awar	ded Na	ational/Internat	ional fello	wship for a	advanced studie	s/ research	n during the	
year								
		e of the	Name of	the	Date of Award	Aw	arding Agency	
		er awarded	Award					
	the fe	llowship						
National		Nil	Ν		Nil		Nil	
International		Nil	Ν	il	Nil		Nil	
3.2 Resource Mobil								
3.2.1 Research funds								
Nature of the Pro	oject	Duration		e of the	Total grant		ount received	
				g Agency	sanctioned		ring the year	
Major projects		3	UGCI	DAECSR	1527879	453	999(Physics)	
Minor Projects			_					
Interdisciplinary Pro								
Industry sponsored I		s						
Projects sponsored b	y the							
University/ College								
Students Research P								
(other than compuls								
the College) "Water								
Analysis Project"&		2019 - 20		Holkar Sc.	05		5000	
Temporal Study of		2017 20	Colleg	ge, Indore	Geology		5000	
bodies of Indore Us	0							
Remote sensing and	GIS							
Technologies.			-					
International Project	S							
Any other(Specify)								
Fotal				03			463999	
3.2.2 Number of on		research projec	ets per teac	her funded	by government	and non-	government	
agencies during the								
1 - Major Project (Pl	nysics))						
3.3 Innovation Eco			T (11)	1.D		17.1	A 1 '	
3.3.1 Workshops/Se			Intellectu	al Property	^r Rights (IPR) a	nd Industr	ry-Academia	
Innovative practices					NI Col P			
		shop/Seminar			Name of the De	ept.	Date(s)	
One day Symposium					of Botany		05/11/19	
Webinar on "A Futu					of Botany & Env		13-14/06/20	
National Webinar or Hydroponic Technic		•			of Horticulture	& Seed	19-20/06/20	
Lizzda on conto l'o charie	the Vandamia	1 4 400 0 77	L'L'achr	Technology 19-20/00/2				

National Webinar on "Environmental Imbalance and Corona – Havoc"	Department of Chemistry & Pharma Chem.	05/06/20
International Webinar on "Challenges in Science and Technology for tackling Covid-19"	Department of Bio Chemistry	11-14/06/20
National Workshop on Intellectual Property Rights	Dept. of Physics, Electronics	12-13/03/20
Webinar on "Modern Physics and Material Science"	Dept of Physics	26-30/05/20
National Symposium on Mathematics (Ramanujan Day)	Dept. of Mathematics	24/12/19
Webinar on "Recent Trends in Mathematics"	Dept. of Mathematics	11/06/20
International Webinar on "Covi-19 Pandemic: Prevention & Management"	Dept. of Microbiology	04-06/06/20
Webinar on "To Improve Immunity & Peace by Meditation" (International Day of Yoga)	Dept. of Sports	21/06/20
International Conference on "Recent Advances in Life Science for Betterment of Human Health" (ICRALBEH-19)	Dept. of Zoology	14-15/12/19
National webinar on "Zoology for Human Health"	Dept. of Zoology	17-18/06/20
One week workshop on "Qualitative & Quantitative Analysis	Dept. of Pharma Chem. & PG Tech. Research Inst. Indore	10-15/10/19
Application of Advanced Scientific Instrumentation with entrepreneurship guidance	Dept. of Pharma Chem. & PG Tech. Research Inst. Indore	08-15/06/20
Webinar on "Immunity Through Ayurveda in Present Scenario"	Dept. of Pharma Chem.	16/06/20
One week Workshop on "Research Methodology"	Dept. of Comp. Science	16-20/12/19
National webinar on "Python Programming & Computer Vision"	Dept. of Comp. Science	25-26/05/20
National Webinar on "Future opportunities in Information Technology"	Dept. of Comp. Science & ISROSET	15-16/06/20
Webinar on "Advanced Computer Hardware & Networking"	Dept. of Comp. Science	25/05/20
Webinar on "Cyber Security"	Dept. of Comp. Science	27/03/20
National Webinar on "Water Management and Career Opportunities in Geosciences"	Dept. of Geology	12-13/06/20
Conference on "Water and environmental crisis of Indore City" (Social workers, Scientist Environmental & Pollution Control Board)	Dept. of Geology	??
Bhuvisanwad (Academic Interaction Programme)	Dept. of Geology and Geological Survey of India	15-16/11/19
National Webinar on "A Healthy Approach Towards Future: Ayurveda vis a vis Modern Research"	Dept. of Bio. Tech. & Bio. Info.	21-22/06/20
Webinar on "Positive Aspects of Corona"	Dept. of Bio. Tech. & Bio. Info.	08-09/06/20
Online Certificate course on "Molecular & Computational Biology"	Dept. of Bio. Tech. & Bio. Info.	15-28/10/20
Webinar on "Mental Health & Covid-19"	Red cross & Women Empowerment cell	21/07/20
National Webinar on "Teaching- Learning and Evaluation"	IQAC HSC, Indore	19-20/06/20
Webinar on "Concept and Applications of Statistical Methods in Research"	Dept. of Statistics	21-22/06/20
Webinar on "Fundamentals of Modern electronics"	Dept. of Electronics	08-10/06/20

National Webina Learning English possibilities"				ching/	Dept. of E	Inglis	sh	16-16/06/20	
National webinar Mulyon ki Bhum		lalte P	ridrashya m	e Naitik	ik Dept. of Hindi			19-20/06/20	
Online Lecture S Instrumentation i	eries on '			es &	Dept. of F	oren	sic science	23/04- 27/05/20	
National Webina science and other Investigation"	r on " Re	cent I	nnovation ir	n Forensi		foren	sic science	17-20/06/20	
3.3.2 Awards for Title of the innov			on by Institute e of the Awa		Awarding	Da	te of	nts during the year Category	
Eco friendly Dye	eing Taiyaba Naim Ansari (Botany)			nsari	Agency ICRALEH		vard -12-2019	Yong Scientist Award	
Way reduced Ag waste by dying p		i. Taiyaba Naim Ansari			MPCST	28-	-02-2020	Fellowship of training young Scientist	
3.3.3 No. of Incu		entre c	reated, start			pus c			
Incubation Centre Nil								ponsored by Nil	
Name of the Name of the			Ν		*			of commencement Nil	
3.4 Research Pu 3.4.1 Ph. Ds awa									
Name of	f the Dep	artme			No.	of Ph	n. Ds Awar	ded	
	Bio chem. Zoology	•		01 05					
	Chemistry	7					03		
	Physics						05		
	Total						14		
3.4.2 Research P	ublication	ns in t	he Journals	notified of	on UGC websi	ite du	ring the ye	ear	
			rtment	N	o. of Publicati	on	Average	Impact Factor, if any	
National	_		Chem.		01				
	Bio '		& Bio Info.		01				
			nistry otal		03 05				
International			tany		09			5.69	
			nistry		13			5.33	
			p. Sc.		03			1	
			Sc.		01				
			ematics		08				
Physics				1	1 /	14 0: 02			

	Zo	ology		2	.7			
	Т	otal		7	7		4.25	
	Т	otal		8	2		4.25	
3.4.3 Books and Chapte Conference Proceeding				-	shed, and	l papers	in National/Interr	national
Department					. of publ			
For. Sc.	Be				Human		es in Life Science held on Dec. 14-1:	
Bio Tech. & Bio Info.			. (2010) 0	<u></u>	01			
Chemistry	01	proceed	ing (2019), 0	2 BOOK	s and Ch	apters P	ublished	
3.4.4 Patents published	/awarde	ed durin	g the year					
Patent Details		Pate Pu	ent status blished/ Filed	Patent	Number		Date of Award	
Nil			Nil		Nil		Nil	
3.4.5 Bibliometrics of the second sec	nce or I	Pub Med	/ Indian Citat			r based	_	on index
Title of the paper	autho	ame of the Title of th ithor journal			of public ation	Index	affiliation as mentioned in the publication	of citations excluding self citations
Beneficial Role of Soluble Silica in enhancing chlorophyll contained in Onion leaves	T. Rangy A. Ba N. Vy R. Gu	afna., vas and	Current Agricultural research Journal		2019	Nil	Dept. of Biochemistry, Holkar Science College, Indore	Nil
Youth inclination towards Higher Education	Namı Khura		International journal of scientific res and review.	search	2019	NIL	Dept. of Biotech., Holkar Sc. College, Indore	NIL
Viriation in range of Colours Obtaind by Application of Natural Dyes and Mordants on Silk Fabric	Iqbal	Sanjeeda Internati qbal and Journal Arif Patel Advance Innovati Researcl			2019	Nil	Dept. of Botany, Holkar Sc. College, Indore	Nil
The Effect of Agro- meteorological Indices and Planting Date on the Growth, Development and Productivity of Soybean Grown in Vertisols		a Iqbal, harma, t, vatia	Internationa Journal of C Microbiolog Applied Sci	Current gy and	2019	Nil	Dept. of Botany, Holkar Sc. College, Indore	Nil

Noise Level Near Educational Institutions at Indore, MadhyaPradesh	Chitnis S., Chitnis U. and Nirgude V.	Various Aspect for Sustainable Development	2019	Nil	Dept. of Botany, Holkar Sc. College, Indore	Nil
Isolation and identification of keratinophilic fungi from regional park of Indore, (M.P.)	Dr. Sanjay Vyas	Journal of emerging technology and innovative research (Jetir)	2019	Nil	Dept. of Botany, Holkar Sc. College, Indore	Nil
ANTIFUNGAL ACTIVITY OF WEED'S EXTRACTS AGAINST IMPORTANT PHYTOPATHOGEN S	Deepti Khare, Sanjay Vyas, Neha Sharma	Journal of Emerging Technologies and Innovative Research (JETIR)	2019	Nil	Dept. of Botany, Holkar Sc. College, Indore	Nil
Comparison of nodule formation in desi and kabuli varities of chick pea(Cicer arietinum L.)under irrigated and rain fed conditions	Sanjay Vyas	Indian Research Communication	2019	Nil	Dept. of Botany, Holkar Sc. College, Indore	Nil
THE COMAPARITIVE STUDY OF SEED YEILD IN DESI AND KABULI VARIETIES OF CHIKPEA (Cicer arietinum L.) UNDER MOISTURE STRESS AND NON- MOISTURE STRESS ENVIRONMENT.	Sanjay Vyas	Indian Research Communication	2019	Nil	Dept. of Botany, Holkar Sc. College, Indore	Nil
WOODY PHYTO- RESOURCES OF MEDICINAL IMPORTANCE USED BYTHE TRIBAL POPULATIONS BETWEEN SATPURAAND VINDYAN HILLS, MADHYA PRADESH, INDIA	Seemavati Sisodiya and Harish Chander Dutt	Plant Archives	2020	Nil	Dept. of Botany, Holkar Sc. College, Indore	Nil
ASSESSMENT OF PREVALENCE OF DRUG RESISTANT Escherichia coli IN	A. Mukati, S. Vyas, S. Hardia, D. Khare and	Journal of Emerging Technologies and Innovative	2020	Nil	Dept. of Botany, Holkar Sc. College,	Nil

KHAN RIVER, INDORE	A. Sharma,	Research			Indore	
STUDY OF COMPARISON OF FRESH AND DRAINAGE WATER CONDUCTOMETRY CALLY OF LABS FROM GOVT.HOLKAR SCIENCE COLLEGE, INDORE	Nameeta Bende	World Journal of Pharmaceutical Research	2019	Nil	Dept. of Chemistry, Holkar Sc. College, Indore	Nil
Analysis of Water of River Kshipra during Kumbh Mela 2016 Ujjain, Madhya Pradesh	S. K. Gohar, P. Solanki., A. Barua	IJRTI	2019	Nil	Dept. of Chemistry, Holkar Sc. College, Indore	Nil
ANALYSIS OF PHYSICO- CHEMICAL AND BACTERIOLOGICA L STUDIES OF WATER SAMPLES FROM THE SUB- URBAN AREAS OF SANWER TEHSIL, MADHYA PRADESH	Ashok Barua, Prakash Solanki, Sandeep Kumar Gohar	IJSDR	2019	Nil	Dept. of Chemistry, Holkar Sc. College, Indore	Nil
Review Of Research	P. Solanki , S. K. Gohar and A. Barua	Review Of Research	2019	Nil	Dept. of Chemistry, Holkar Sc. College, Indore	Nil
Removal of Methylene Blue Dye from Wastewater using Zeolite Synthesized from Coal Fly Ash	M. K. Dwivedi, I.P. Tripathi, C. Alawa &P. Shrivastava	IOSR Journal of Applied Chemistry (IOSR- JAC)	2019	Nil	Dept. of Chemistry, Holkar Sc. College, Indore	Nil
Adsorptive Removal of Brilliant Green Dye from Wastewater by Zeolite Synthesized from Coal Fly Ash	M. K. Dwivedi, I.P. Tripathi, C. Alawa, P. Shrivastava, V. Malviya	IJRAR	2019	Nil	Dept. of Chemistry, Holkar Sc. College, Indore	Nil
PHYSICOCHEMICA L ANALYSIS OF WATER AND SOIL SAMPLES	Richa Pathak, Payal Jain, S. L. Garg,	IJRAR	2019	Nil	Dept. of Chemistry, Holkar Sc. College,	Nil

COLLECTED FROM DIFFERENT SITES OF PITHAMPUR INDUSTRIAL AREA, INDORE MP	and M. K. Dwivedi				Indore	
QSAR studies of β - Carboline derivatives as potentantiviral agents	P. D. Soni, I.P Tripathi, M.K. Dwivedi	Internat ional Journal of Advanced Scient ific Research and Management	2019	Nil	Dept. of Chemistry, Holkar Sc. College, Indore	Nil
A Kinetic study on solubilization of Sudan I dye by Sodium dodecylsulphate	M. Khandelwal Ampily. J.S and Geetha Sarasan	Journal Of Engineering sciences	2020	Nil	Dept. of Chemistry, Holkar Sc. College, Indore	Nil
Antimicrobial Activity and Phytochemical Analysis of Citrus Sinensis Leaves Extracts	Pramila Kori	International Journal of Science and Research	2020	Nil	Dept. of Chemistry, Holkar Sc. College, Indore	Nil
ASSESSMENT OF HEAVY METALS TOXICITY ON BIOCHEMICAL & PHYSIOLOGICAL CHANGES IN PULSES	Bijendra Rai and Pramod Singh	Juni Khyat	2020	Nil	Dept. of Chemistry, Holkar Sc. College, Indore	Nil
BREAST CANCER: MOLECULAR MECHANISM	Bijendra Rai	WORLD JOURNAL OF PHARMACY AND PHARMACEUTI CAL SCIENCES	2020	Nil	Dept. of Chemistry, Holkar Sc. College, Indore	Nil
Adsorptive Removal of Brilliant Green Dye from Wastewater by Zeolite Synthesized from Coal Fly Ash	M. K. Dwivedi, I.P. Tripathi, C.Alawa, P. Shrivastava, V. Malviya	2020 IJRAR	2020	Nil	Dept. of Chemistry, Holkar Sc. College, Indore	Nil
CADMIUM REMOVAL FROM AQUEOUS SOLUTION BY NA- P ZEOLITE SYNTHESIZED FROM COAL FLY ASH	PayalJain, Suresh Jain and M.K.Dwive di	UGC Care Group I Listed Journal	2020	Nil	Dept. of Chemistry, Holkar Sc. College, Indore	Nil
Synthesis, characterization and	Anamika Jain	AIP Conference Proceedings 2100	2019	Nil	Dept. of Chemistry,	Nil

biological activity of flavonoid derivatives with amine	_				Holkar Sc. College, Indore	
Polarographic determination of stability constant of Zn (II) complexes with antibiotics – Clindamycin complexes in aqueous medium	Laxmi Tantuvay	AIP Conference Proceedings 2100	2019	Nil	Dept. of Chemistry, Holkar Sc. College, Indore	Nil
Comparative Invetigation of SKC Algorithm for Secure Information with different Parameters	Shiv Lal Mewada & Praeep Sharma	International Journal of Future Generation Communication and Networking	2020	Web of Science	Dept. of Comp. Sc., Holkar Science College, Indore	Nil
Agricultural Informatics as a Branch of Study in Information Sciences and Technology Domain—A Proposal towards Digital Agriculture	Shivlaal Mewada	Academic Research Publishing Group	2020	Nil	Dept. of Comp. Sc., Holkar Science College, Indore	Nil
Artificial Bee Colony- Based Approach for Privacy Preservation of Medical Data	Shivlaal Mewada, Pradeep Sharma	International Journal of Information System Modeling and Design Volume 11, Issue 3	2020	Nil	Dept. of Comp. Sc., Holkar Science College, Indore	Nil
DIFFERENTIAL CELL VIABILITY IN NITZSCHIA PALEA ON EXPOSURE TO DIFFERENT ORGANIC AND INORGANIC ENVIRONMENTAL EFFLUENTS	A. AHIRWAR S.GUPTA, M. KASHYAP & P. SHUKLA, V.A. VINAYAK	INTERNATION AL JOURNAL OF ENVIRONMENT AL SCIENCE AND TECHNOLOGY	2019	Nil	Dept. of For. Sc., Holkar Sc. College, Indore	Nil
Compatibility of maps and common fixed point theorems in Complex valued Metric Spaces	R.K. Sharma, G. Yadav	Jour. Ind. Acad. Math. 41(2), 195- 218, 2019	2019	Nil	Dept. of Mathematics, Holkar Sc. College, Indore	Nil
Takagi Sugeno Inference for Single Slope Single Basin Solar Still	Raich, V.; Yadav, N.	Journal of Computer and Mathematical Sciences	2019	Nil	Dept. of Mathematics, Holkar Sc. College,	Nil

					Indore	
CONTRACTION	SHISHIR	Advances in	2020	Nil	Dept. of	Nil
PRINCIPLE IN	JAIN AND	Mathematics:			Mathematics,	
RECTANGULAR M-	POOJA	Scientific Journal			Holkar Sc.	
METRIC SPACES	CHAUBEY				College,	
WITH A BINARY					Indore	
RELATION						
NEW RESULTS IN	SHISHIR	South East Asian	2020	Nil	Dept. of	Nil
CONE	JAIN AND	Journal of			Mathematics,	
PENTAGONAL	POOJA	Mathematics and			Holkar Sc.	
METRIC SPACES	CHAUBEY	Mathematical			College,	
		Sciences			Indore	
RELATION-	SHISHIR	J. Math. Comput.	2020	Nil	Dept. of	Nil
THEORETIC ψ-	JAIN AND	Sci.			Mathematics,	
CONTRACTIVE	POOJA				Holkar Sc.	
MAPPINGS IN	CHAUBEY				College,	
CONE					Indore	
PENTAGONAL						
METRIC SPACES						
Stability Analysis of a	Harish Joshi	J. Math. Comput.	2020	Nil	Dept. of	Nil
Deterministic	G.L.	Sci. 10(1), 2020,			Mathematics,	
Vaccination Model	Prajapati,	51 - 67			Holkar Sc.	
with non-monotonic	R.K.				College,	
Incidence Rate	Sharma				Indore	
Global Dynamics of	R.K.	Bul. Cal. Math	2020	Nil	Dept. of	Nil
an SIR Epidemic	Sharma,	Soc. 112, (4), 371			Mathematics,	
Model with Specific	Garima	- 388, 2020			Holkar Sc.	
Non-linear Incidence	Saxena,				College,	
rate with treatment	Ankit				Indore	
	Agrawal					
Dynamical Analysis	Harish Joshi	Bul. Cal. Math	2020	Nil	Dept. of	Nil
of Hyper-Susceptible	G.L.	Soc. 112, (2), 169			Mathematics,	
Population over	Prajapati,	- 186, 2020			Holkar Sc.	
Susceptible Population	R.K.				College,	
in an Epidemic Model	Sharma				Indore	
Measurement and	P. D. Lodhi,	Journal of Low	2019	Nil	Dept. of	Nil
Analysis of Normal-	N. Kaurav,	Temperature			Physics.,	
State Transport	K. K.	Physics (Springer)			Holkar Sc.	
Properties of FeSe	Choudhary,				College,	
Superconductor	Y. K. Kuo			-	Indore	
Temperature-	P. D. Lodhi,	Bull. Mater.	2019	Nil	Dept. of	Nil
dependent transport	N. Kaurav,	Sci.(Indian			Physics.,	
properties of a FeTe	K.K.	Academy of			Holkar Sc.	
compound	Choudhary,	Sciences: In			College,	
	and Y K	association with			Indore	
	Kuo	Springer)				
High pressure	S. Verma,	International	2019	Nil	Dept. of	Nil
structural phase	A. Jain, K.	Journal of Modern			Physics.,	
transition and elastic	K.	Physics B (World			Holkar Sc.	
properties of	Choudhary	Scientific)			College,	

ZnSexTe1-x	and N.				Indore	
semiconducting	Kaurav					
compounds						
Structural,	Monika	Optik	2019	Nil	Dept. of	Nil
photoluminescent and	Somania,,				Physics.,	
thermoluminescent	M. Saleemb				Holkar Sc.	
studies of rare earth	, M. Mittala				College,	
ion (RE = Eu3+)	, P.K.				Indore	
doped Sr2SiO4	Sharmaa					
phosphor	X 7' 1 1	•	2010	NT'1		NT'1
BARIUM (BA2+)	Vishal	jetir	2019	Nil	Dept. of	Nil
DOPED CU-ZN	Tandon				Physics.,	
FERRITE:					Holkar Sc.	
ELUCIDATION OF STRUCTURAL AND					College, Indore	
DIELECTRIC					maore	
PROPERTIES						
Synthesis and	Netram	Prof. Dinesh	2019	Nil	Dept. of	Nil
characterization of	Kaurav	Varshney	2017	1 411	Physics.,	111
ZnO nanoparticles by	Ruuruv	memorial			Holkar Sc.	
thermal decomposition		National			College,	
method		Conference on			Indore	
		Physics and				
		Chemistry of				
		Materials				
Interpretation of	Netram	Prof. Dinesh	2019	Nil	Dept. of	Nil
Raman modes in FeTe	Kaurav	Varshney			Physics.,	
and FeTe0.9S0.1		memorial			Holkar Sc.	
compounds		National			College,	
		Conference on			Indore	
		Physics and				
		Chemistry of				
	NT 4	Materials	2010	NT'1		NT'1
Effect of sintering	Netram	Prof. Dinesh	2019	Nil	Dept. of	Nil
temperature on the	Kaurav	Varshney memorial			Physics., Holkar Sc.	
dielectric properties of non-stoichiometric		National			College,	
nickel oxide		Conference on			Indore	
IIICKEI UXIUE		Physics and			muore	
		Chemistry of				
		Materials				
Structural and Raman	Netram	Prof. Dinesh	2019	Nil	Dept. of	Nil
analysis of double	Kaurav	Varshney			Physics.,	
perovskite		memorial			Holkar Sc.	
La2CoTi0.7Ni0.3O6		National			College,	
		Conference on			Indore	
		Physics and				
		Chemistry of				
		Materials				
Comparative	Netram	Prof. Dinesh	2019	Nil	Dept. of	Nil

crystallographic study of La2NiTiO6 double pervoskite structure using crystallographic software's	Kaurav	Varshney memorial National Conference on Physics and Chemistry of Materials			Physics., Holkar Sc. College, Indore	
Structural and optical properties of La2NiTiO6 double pervoskite	Netram Kaurav	Prof. Dinesh Varshney memorial National Conference on Physics and Chemistry of Materials	2019	Nil	Dept. of Physics., Holkar Sc. College, Indore	Nil
Theoretical analysis of the structural phase transition in alkaline earth oxides	Saligram Verma	Prof. Dinesh Varshney memorial National Conference on Physics and Chemistry of Materials	2019	Nil	Dept. of Physics., Holkar Sc. College, Indore	Nil
XRD and FTIR studies of zinc doped nickel oxide compounds	R. C. Dixit	Prof. Dinesh Varshney memorial National Conference on Physics and Chemistry of Materials	2019	Nil	Dept. of Physics., Holkar Sc. College, Indore	Nil
Thermoluminescence studies of Ce3+ doped Sr2SiO4 phosphor	Pradeep Sharma	Prof. Dinesh Varshney memorial National Conference on Physics and Chemistry of Materials	2019	Nil	Dept. of Physics., Holkar Sc. College, Indore	Nil
Statistics Construction of ALPHA Resvable Z-Associates PBIB Designs	R. Awad, B. Agrawal, S. Banerjee	International Journal of Applied social Science	2019	Nil	Dept. of Statistics, Holkar Sc. College, Indore	Nil
Construction of universally optimal design using 3 ⁿ – factorial designs	R. Awad, S. Banerjee	International Research Journal of Agricultural Economics and Statistics	2019	Nil	Dept. of Statistics, Holkar Sc. College, Indore	Nil
Haematological	Santosh	International	2019	Nil	Dept. of	Nil

Changes in ClariasBatrachus Due to Cypermethrin Insecticide	Gaherwal	Journal of Scientific Research & Reviews			Zoology, Holkar Sc. College, Indore	
Hepatoprotective and antioxidative potential of Zingiberofficinale extract in 7, 12 dimethylbenz(A) anthracene oral carcinogenesis in rodent model	Amita Shukla and V K Sharma	Life Science Bulletin	2019	Nil	Dept. of Zoology, Holkar Sc. College, Indore	Nil
Histopathological investigation of Fasciala Hepatica infected liver of Goats of Indore Region	Santosh Gaherwal	Indian Research Communication Society	2019	Nil	Dept. of Zoology, Holkar Sc. College, Indore	Nil
Impact of Thiadiazole as Bombyx Mori Growth Enhancer	Santosh Gaherwal	International Journal of Scientific Research in Biological Sciences	2019	Nil	Dept. of Zoology, Holkar Sc. College, Indore	Nil
Narmada Nadi ki Jaliya Gunwataa ka Adhayan	Abida Qureshi	Peer-Reviewed international Journal	2019	Nil	Dept. of Zoology, Holkar Sc. College, Indore	Nil
Narmada Nadi me Matasya Prajatiyo ki vividhata, Vartman isthati tatha Unka Sanrakshan	Abida Qureshi	Review of Research	2019	Nil	Dept. of Zoology, Holkar Sc. College, Indore	Nil
Seasonal Prevalence & Incidence of Gastrointestinal Nematodes in Goats of Barwani Region (MP)	Santosh Gaherwal, MMP Shrivastava	International Journal of Current Advance Research	2019	Nil	Dept. of Zoology, Holkar Sc. College, Indore	Nil
Spatial Variation in Avifaunal Diversity from Various Green Spaces of Indore City, MP	Santosh Gaherwal	International Journal of Current Research & Review	2019	Nil	Dept. of Zoology, Holkar Sc. College, Indore	Nil
Study and estimation of species richness of Avian Fauna in Selected sites of Indore City (MP)	Santosh Gaherwal	International Journal of Current Advance Research	2019	Nil	Dept. of Zoology, Holkar Sc. College, Indore	Nil
Study of Sodium Arsenate Induced	Santosh Gaherwal	International Journal of	2019	Nil	Dept. of Zoology,	Nil

haematological Changes in Catfish,		Biological & Medical Research			Holkar Sc. College,	
Clarias Batrachus					Indore	
Toxic effect of Arsenic Trioxide on Biochemical Response in Catfish Clarias Batrachus	Santosh Gaherwal	International Journal of Recent Scientific Research	2019	Nil	Dept. of Zoology, Holkar Sc. College, Indore	Nil
Toxicological effects of Arsenic Trioxide Exposure on Haematolical profile in Catfish, Clarias Batrachus	Santosh Gaherwal	International Journal of Current Research & Review	2019	Nil	Dept. of Zoology, Holkar Sc. College, Indore	Nil
2, 4-Dichlorophenoxy acetic acid induced Histopathological changes in kindny of Chlarias Batrachus	Santosh Gaherwal	Journal of Xidian University	2020	Nil	Dept. of Zoology, Holkar Sc. College, Indore	Nil
Acute toxicity study on biochemical parameter of catfish, Clarias batrachus exposed to sodium arsenate	Santosh Gaherwal	Eco. Env. & Cons. EM International	2020	Nil	Dept. of Zoology, Holkar Sc. College, Indore	Nil
Assessment of Heavy Metal, Arsenic in Chhilpura Pond Water & its Effect on Haematological& Biochemical Parameters of Catfish, Clarias Batrachus	Santosh Gaherwal	Nature Environment and Pollution Technology	2020	Nil	Dept. of Zoology, Holkar Sc. College, Indore	Nil
Assessment of Physico-Chemical Parameters and Water Quality Index (WQI) of Dilawara Reservoir of Dhar, M.P., India	Rekha Sharma	International Journal of Life Sciences	2020	Nil	Dept. of Zoology, Holkar Sc. College, Indore	Nil
Assessment of Shannon Wiener Index of Birds in Various regions of Indore City, Indore, MP	Santosh Gaherwal	Eco. Env. & Cons.	2020	Nil	Dept. of Zoology, Holkar Sc. College, Indore	Nil
Assessments of trace metal bio- accumulation in Lamellidens marginali bivalve of Sirpur and	Rekha Sharma	International Journal of Research and Analytical Reviews	2020	Nil	Dept. of Zoology, Holkar Sc. College, Indore	Nil

Bilawali Lakes of						
Indore (M.P.) India						
Blood Biochemistry of	Santosh	Journal of Xidian	2020	Nil	Dept. of	Nil
Goat Infected with	Gaherwal	University	2020	111	Zoology,	
Nematodes from the	Gallerwal	University			Holkar Sc.	
Barwani Tehsil,					College,	
District Barwani					Indore	
(MP), India		XX7 1 1 A 1' 1	2020	A.T.1		NT'1
Comparative	M.M.P.	World Applied	2020	Nil	Dept. of	Nil
Assesment of Acute	Shrivastava	Science Journal			Zoology,	
Toxicity of two					Holkar Sc.	
Organophosphates(Mo					College,	
nocrotophos 36 % SL					Indore	
and Dimethoate 30%						
EC) to fresh water fish						
Poecilla reticulate(
Peters) at two different						
selected level of pH						
Effect ofn lipid frofile	M.M.P.	Int. J. Research	2020	Nil	Dept. of	Nil
in mice	Shrivastava,				Zoology,	
experimentally	Santosh				Holkar Sc.	
infected and	Gaherwal				College,	
vaccinated with					Indore	
Aspicularistetraptera						
Factors Influencing	D. Mishra,	Life Science	2020	Nil	Dept. of	Nil
the Population of	V.K.Sharma	Bulletin			Zoology,	
Odonates in Pond	, Asha Pal				Holkar Sc.	
Habitat of Indore					College,	
					Indore	
Haematological	Santosh	Strad Research	2020	Nil	Dept. of	Nil
Analysis of Nematode	Gaherwal,				Zoology,	
infected Goats from	MMP				Holkar Sc.	
the Urban area of	Shrivastava				College,	
Barwani Dist. MP					Indore	
Haematological	Santosh	Journal of Xidian	2020	Nil	Dept. of	Nil
analysisi of nematode	Gaherwal	University		- 1	Zoology,	- 144
infected goats from	Contract in the				Holkar Sc.	
the urban area of					College,	
Barwani District					Indore	
(M.P.)						
haematological values	M.M.P.	Journal of Xidan	2020	Nil	Dept. of	Nil
of nematode	Shrivastava,	University	2020	1 111	Zoology,	1 111
(Aspicularistetraptera)	Santosh	University			Holkar Sc.	
infected mice	Gherwal				College,	
vaccinated with	Undwal				Indore	
					muore	
somatic antigen	Santosh	Journal of Xidian	2020	Nil	Dont of	Nil
Histological Alteration			2020	1111	Dept. of	1811
Caused by Arsenic	Gaherwal	University			Zoology,	
Trioxide in Catfish					Holkar Sc.	
Clarias Batrachus					College,	

											Indore	•		
Histopatho Liver & K Teleost ClariasBat Arsenic Co Chhilpura	idney rachu ontam	of s of inated	Santosh Gaherwal		Uttar Pradesh Journal of Zoology	l	202	20	Nil		Dept. Zoolog Holka Colleg Indore	of gy, r Sc. ge,		Nil
					ations during t					-	s/ Weł			
Title of the paper	Nam the a	ne of author	Title of the journalYear of publicationh-indexNumber of citationsiournalexcluding citations			affili self ment		atic tion						
Nil	1	Nil	Nil		Nil					il		T ····		Vil
					Conferences a				<u> </u>	he y				
		Faculty		Int	ternational lev	rel	Nat		l level			e level		Local level
	tended Seminars/ Workshops				40			12				13		54
	ented papers 05 00						00		00					
Resource I	Person	18			03		07				01			06
Name of th Consultant departmen	he t(s)	Name	of tancy proje	(ncy during the Consulting/Sp	onsor	ing A	gen	су			gener in rup	ees	
Nil			Nil			Nil						Ni	<u> </u>	
3.5.2 Reve	enue g	enerate	d from Corr	orate	e Training by	the in	stituti	ion o	luring	the	vear			
Name of th			e of the	Joiut	Agency see				e gener			Num	ber	of
Consultant Departmen	t(s) &		gramme		training	0			in rup			traine		
Nil			Nil		Nil				Nil				N	lil
	ber of y and	f extens Non- G	ion and out		programmes nizations thro									
Title of the	e Acti	vities			co	ollabo	rating	g age		¥/	Num of teach co- ordir in su activ	ners nated ch ities	stu pa d i	umber of idents rticipate in such tivities
			artyr (31/07)	/19)	В	ed Cr	m					5		20
Blood Dor	nation	Camp	(30/12/19)			ISS, R ioche		OSS	Soc. &		0	5		20

Polythene Free Campus Prog. (26/01/20)	Red Cross Soc.	05	25
Lecture on scientific basis of cancer awareness	Red Cross Soc. &	05	25
ad training on CPR (07/02/20)	Biochem.	05	25
Health Checkup camp on women day (07/03/20)	Red Cross Soc., Women	05	50
	Empowerment cell	05	50
Poster competition on AIDS Awareness	Red Cross Soc. &	05	15
(17/01/20)	Biochem.	05	15
Poster competition on cancer Awareness	Red Cross Soc. &	05	15
(04/02/20)	Biochem	05	15
Visit to Musakhedi Slum area and Nutrition	Red Cross Soc. &	05	30
Awareness (08/08/19)	Biochem.	05	30
Vigilance Awareness Week (29/10-03/11/19	Red Cross Soc. &	05	30
	Biochem.	03	30
Sadbhavna Divas (Shapath) (20/08/19)	NSS	06	50
Plantation: Hariyali Mhotsav 19-20 (11/08/19)	NSS	10	65
Rally against "Food Adulteration" (24/08/19)	NSS	25	65
Women Empowerment Session JUDO/Karate	NSS	10	55
Organized (07/09/19)		10	55
"Kaumi Ekta" Shapath programme" (19/11/19)	NSS	05	45
Street play on AIDS awareness (20/11/19)	NSS & Red Ribbon Club	05	30
AIDS awareness rally (29/11/19)	NSS & Red Ribbon Club	05	25
Rastriya YUVA Diwas celebration (12/01/20)	NSS	05	35
Poster Making competition: "AIDS Awareness"	NSS & Red Ribbon Club		
and "Blood Donation" in college campus) (28-		05	50
30/12/19)			
Lecture on Road Safety (26/02/20)	NSS	04	55
Blood donation camp (01/12/19 at MY Hospital	NSS	08	60
& 30/12/19 in college campus.)		08	00
Eye Checkup camp (17/11/19)	NSS & Red Ribbon Club	05	55
NSS camp (21-27/11/19)	NSS	02	50
Polio Abhiyaan (16/10/19)	NCC	03	55
Kagil Vijay Divas celebration (26/07/19)	1MPBNNCC	03	75
Painting Programme by cadets: on the occasion	NCC	03	30
of Gandhi Jayanti (11/07/19)		03	30
Traffic Control Programme (15/07/19)	1MPBNNCC	02	25
Tikakaran motivation to people	1MPBNNCC	02	28
Helping to Medical Staff	1MPBNNCC	01	55
Cleanliness Drive(Sawccha Bharat) (14/12/19)	9MPBN & 1MPBN NCC	02	70
Awarding Ceremony (24/11/19)	9MPBNNCC	02	20
Visit to Heritage (Kastoorba Gram) (29/11/19)	9MPBNNCC	02	33
Literacy Activities	Dept. of Hindi	04	26
National AIDS Control Program	National AIDS Control	01	50
	Organization & Bot.		
Environment Awareness programme on air	Dept. of Botany	12	60
pollution: Dilip Wghela (30/07/19)			
Plantation Activities: Botanical Garden	Dept. of Botany	10	25
(30/08/19)			
Tagging of Plant: College campus (22/09/19)	Dept. of Botany	05	15
Visit to Jyoti Niwas old age home (14/01/20)	Dept. of Botany	02	20

Vermi compost Training: Kasturba Gram (25/01/20)	Dept. of Botany	02	25
Poster competition: Route of drug Administration and dosage form (30/12/19)	Dept. of Pharma	05	12
Quiz Competition (14/01/20)	Dept. of Pharma	05	25
Astha Old Age Home Visit (14/11/19)	Dept. of Pharma	05	35
Alumni Meet (02/11/19)	Dept. of Pharma	06	35
Research Studies on Unknown Foul Odour of	Dept. of Microbiology	02	05
Indore City" (NovDec. 19)			
Excursion trip: "Parenteral drugs pvt. Ltd.,	Dept. of Microbiology	02	15
Mandlehwar" (22/01/20)			
PTA (04/03/20)	Dept. of Microbiology	05	25
Covid-19 Awareness Programme (04-06/06/20)	Dept. of Microbiology	05	30
Kargil Divas Calibration: Basket Ball Complex,	Dept. of Biochemistry	02	25
Indore (28/07/19).	1		
Programme on Health and Nutrition (16/09 –	Dept. of Biochem &	05	25
12/10/19)	Carrier guidance Cell		
Alumni Meet (03/11/19)	Dept. of Biochemistry	03	25
PTA (15/02/20)	Dept. of Biochemistry	03	20
Mushroom Cultivation training (06/03/20)	Dept. of Biochemistry	03	25
Online Quiz : (Nutrition and Immunology)(03/06-09/06/20)	Dept. of Biochemistry	03	150
Gosthi-Jal Evam Paryavaran Sankat, Samadhan and Upay (06/08/19)	Dept. of Geology	05	20
Lecture on Air Pollution: July 2019, Geo Tagging on Tree: September 2019, Movie on Environment: October 2019, Drama for environment awareness "Halla- Bol": November 2019, Crop assessment: January 2020, Green good deeds: February 2020, Cleanliness Campaign: March 2020	Dept. of Seed & Hort, Eco Club	10	125
Various activities Under "Ek bharat Shreshtha Bharat" Ek bharat Shreshtha Bharat club established: November 2019, Quiz Competition: December 2019, Essay Writing: January 2020, Film Show: January 2020, Language knowledge & display board activity: January 2020, Clay model lecture & film show: February 2020, Apply Water pot to birds: February 2020	Dept. of Seed & Hort.	02	150
Plantation: August 2019, Parents teacher meeting: September 2019, Farmer's Day: Village Kalod kartal: December 2019, Educational Tour: Tirupati Nursery, Badwah: December 2019 & Eagle Seeds & Biotech LTD: February 2020, Cycle day: January 2020, Alumni Meet: February 2020	Dept. of Seed & Hort.	02	155
Visit to village "Jamlia": Cultural, Social & Health Activities (12/10/2019)	Dept. of Zoology	02	20

National Graduate Physics Examination (IAPT)			Dept. of Physics	(05	150)	
(19/01/20) Plantation: 01/08/19, CSIR NET Classes:01/09- 30/11/19, Parents Teacher meeting: 02/11/19, A visit to Jeevan Shala Visharjan Ashram (slum area):02/11/19, Science Olympiad: 29/02/20			Dept. of Biotech & Bio Info.		15		150	
3.6.2 Awards a	nd recogniti	on receiv	ved for extension	on activities from Governmer	nt and	l other re	cogniz	zed
bodies during th	-						U	
Name of the Ac		Award/recognition				Awardin bodies	ig _{Stu}	o. of Idents nefited
State level leade Camp	-	Two students Bhurelal Dawar and Kusum Dhakad are selected and Participated			are	State		
03- 09/01/20(N Pre- RDC Cam 29/10- 09/11/19	p(NSS)	One student Nikhil Khira is selected and Participated			ed	National		<u>02</u> 01
	Awarded By Directorate First Position 9MPBNNCC			C	Regional		15	
RDC(1MPNCC	CBN Girls)	SUO A	arti Yadav Cor	npleted RDC		National		01
RDC(1MPNCCBN Girls) SGT Rashmi Kumari Made place till decade 1				National		01		
RDC(1MPNCC	RDC(1MPNCCBN Girls) SGT Nidhi Katare Made place till decade 2				Nationa	1	01	
TSC(1MPNCC				Nationa	1	01		
IGC (9MPMNN					National		01	
TSC (9MPMN)	FSC (9MPMNNCC) Somesh Parikh Silver Medal				National		01	
TSC (9MPMNNCC) Nikilesh Patidar Participation			cipation	National		1	01	
			ill front line contingent, CM		National		01	
Tracking Camp (9MPMNNCC)		Tejas Ishi Tracking Ca		amp participation		National		01
TSC (2MPBNN Armed)	NCC	Chouha		Vishwakarma, Dharmendra ade, Malay Panchakshari, articipation		National		06
National AIDS Program (Bot)	Control	ntrol Certificate of recognition		tion		National Aids Control Origination		50
				with Government Organizati harat, Aids Awareness, Geno				
Name of the scheme	Organizii unit/ ager collabora agency	ncy/	Name of the a	activity	o te c	Jumber f eachers o- rdinate	Numb of studer partic	nts cipat

Ek Bharat

Shrestha Bharat

Dept. of Hindi Dept. of Seed &

Hort.

Nukkad Natak

established,

Ek bharat Shreshtha Bharat club

activities

10

150

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activities

04

02

d such
Research Activit	ty (Biochem)	Г. Rangwal & Sandhya Sharmal	Nil		2018-2020
year Nature of A		Participant	Source of fina support	-	Duration
3.7 Collaboration		tivities for research, faculty exchange	ange student ev	change	during the
Project	Department	Of Indore City(2019)			
Research	Microbiology	Research Studies On Unknown	n Foul Odour	05	16
D 1	Indore (M.P)	Descent Station On U.1	E E I O I	05	1.0
Program	Election Office	e, etc. (25.01.2020)			
Awareness	& District	Slogan & Essay writing, Deba	te, Drawing		
Voter's	Dept. of For. S			08	21
X7 / 1	Pharma	X7 , 1 1 , 1		00	
	Dept. of	Visited Astha Old Age Home		02	20
	Dept. of Botan		lome	02	15
	Biochem.				
	Dept. of	Awareness Prog.,			
	Red Cross &	Visit to Musakhedi slum area:	Nutritional	02	15
		Society			
	Geology	inmates of Nishaktjan Aadhar			
	Department of	Distribution of fruits and utility	y items to the	02	40
	(NGO)				
Areas	Hood Army		, -		
Home, Slum	Sc. & Robin	and its distribution to the need		02	00
Visit Old Age	Dept. of For.	Collection of fresh food from h	notels, parties	02	08
i iaination	Cross, NSS	Hariyali Mahotsav, Ropan Ab	hiyan etc		
Plantation	Hort., Red	Ek Vidharthi Ek Phodha, Karg	•	11	143
Dharat	Seed Tech. &			11	145
Bharat	NSS, NCC	etc		00	150
Swacchha	Red Cross, NS Red Cross,	Polythene free campus, Swacc		05	150
Gender Issue	Red Cross, NS			05	50
	Red Cross, INS	S Poster Competition, Lecture & Street Play, Rally etc	II. UII CPK,	08	150
	Origination Red Cross, NS	S Poster Competition Leature	Tr On CDD	08	150
Awareness	AIDS Control				
Cancer	& National				
AIDS &	Dept. of Botan	y AIDS Control		01	50
		Campaign etc		0.4	
		assessment, Green good deeds	, Cleanliness		
	Club	environment awareness "Halla			
	Hort. & Eco	Tree, Movie on Environment,			
Eco Club	Dept. of Seed		00 0	10	125
		show, Apply Water pot to bird			
		board activity, Clay model lect			
		Show, Language knowledge &	± •		

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	Participa nt	
Internship (Bot)	and Gobar Indore Gas production		Jan. to Feb. 2020	08 (PG)	
-do-	Fruit and vegetable Preservation	Horticulture Department, Indore	-do-	08 (PG)	
Research (Pharma)	Characterizati on of samples	RRCAT Indore	2019-20	01	
Internship (Micro Bio)	Internship	Gurjar Hospital	2019-20 (Jan. to Feb.)	20(UG)	
-do-	Internship	Kamla Nehru Pranisangrahlay	2019-20 (Jan. to Feb.)	05	
-do-	Internship	Shree Pathology	2019-20 (Jan. to Feb.)	06	
-do-	Internship	Ipca Laboratory	2019-20 (Jan. to Feb.)	02	
-do-	Internship	Shree diagnosis	2019-20 (Jan. to Feb.)	03	
-do-	Internship	Dhanwantri Laboratory	2019-20 (Jan. to Feb.)	01	
-do-	Internship	Naveen Middle School	2019-20 (Jan. to Feb.)	01	
-do-	Internship	Shree Balaji Pathology	2019-20 (Jan. to Feb.)	01	
-do-	Internship	Zenith Drug Laboratory	2019-20 (Jan. to Feb.)	01	
-do-	Internship	Kalpataru Computers	2019-20 (Jan. to Feb.)	02	
-do-	Internship	Suyog Pathology	2019-20 (Jan. to Feb.)	01	
-do-	Internship	Delhi public School	2019-20 (Jan. to Feb.)	01	
-do-	Internship	Piramal enterprises	2019-20 (Jan. to Feb.)	01	
-do-	Internship	First Choice Laboratory	2019-20 (Jan. to Feb.)	01	
-do-	Internship	Chocolate Botique	2019-20 (Jan. to Feb.)	01	
-do-	Internship	Vinayak Pathology	2019-20 (Jan. to Feb.)	01	
-do-	Internship	Orange Pathology and Laboratories	2019-20 (Jan. to Feb.)	01	
-do-	Internship	Shree Krishana Vidya Mandir	2019-20 (Jan. to Feb.)	01	
-do-	Internship	City medical investigation	2019-20 (Jan. to Feb.)	01	
-do-	Internship	Parentral drug Pvt. Ltd., Mandleshwar	2019-20 (Jan. to Feb.)	16 (PG)	
Training (PG-Geo)	Internship	Geological Survey of India	24/01-01/02/20	09	
-do-	Internship	Manganese Ore India Ltd	01/01 - 31/01/20	05	
Training (UG-Geo)	Internship	Mining Officer, Indore district, Mandasour district and Neemuch District, M.P.		40	
-do-	Internship	Rajeev Gandhi Water Shed Mission, Panchayat Office, Panchayat Bhawan, Indore		10	
-do-	Internship	Rajmi Geoexploration & Engineering Pvt. Ltd, Indore		10	
-do-				12	
-do-	Internship	M/s. S. S. Exlploration		25	

		Enterprises,80, A Indore, M.P.				
-do-	Internship	Western Railway		12		
		II, Indore, M.P.				
	oUs signed with insti		l, international impo	ortance, other in	stitutions, i	ndustries,
corporate	e houses etc. during	the year	•			
(Organization	Date of MoU signed	1		Number of students/t participat MoUs	eachers
Research institute of Org.		15/12/2019	Research and Stud	lent Exchange	Awai	ted for
Agri. Sw	vitzerland (Bot)		Program		Renewal	
Governn	nent Institute of	09/09/2019	Exchange of researchers,			
Forensic	Science, Nagpur,		students, publications, books,		NIL	
Maharas	shtra (For. Sc.)		academic programs and research			
			projects.			
PG Tech	Research Institute		Training Prog.		30 (P	harma)
PG Tech	Research Institute		Internship by UG	Students	35 (P	harma)
PG Tech	Research Institute		Certificate course		28 (P	harma)
Govt. M	ata Jijabai Girl's	08/07/2019	MOU for Academ	ic and	Ν	Jil
PG colle	ege, (Micro Bio)		Scientific cooperation	tion		
Index M	edical College	11/10/2019	For Students intern	For Students internship and Student		ent 17
Indore (I	Biotech & Info.)		training, For Know and Research Acti			

4.1 Physical Facilities	1 1' 1			· · · 1 ·	-(1	
4.1.1 Budget allocation, e						
Budget allocated for		Budg	get utilized	for infrastru	cture develop	oment
augmentati 3400000				33721330)	
540000	0			33721330)	
4.1.2 Details of augmenta	tion in infrastru	atura facilitias	during the	Voor		
Facilities	uton ni ninastru			Existing	New	y added
Campus area				34 Acres		Nil
Class rooms			51		Nil	
Laboratories				44		Nil
Seminar Halls				05		Nil
Classrooms with LCD fac	vilities			25		Nil
Classrooms with Wi-Fi/ L				15		Nil
Seminar halls with ICT fa				04		Nil
Video Centre				Nil		Nil
No. of important equipme	ents purchased ()	> 1-0 lakh) duri	ing the	48		09
current year.	Paronabou (~ /
Value of the equipment p	urchased during	n		104	10417084	
Lakhs)			_			
Others				Nil		Nil
					•	
4.2 Library as a Learnin	ng Resource					
4.2 Library as a Learnin 4.2.1 Library is automat		Library Mana	agement S	ystem (ILN	1S)}	
4.2.1 Library is automat	ted {Integrated	-		ystem (ILN	1S)}	
4.2.1 Library is automat	Nature of auto	Library Mana			1S)} Year (of
4.2.1 Library is automat	ted {Integrated	-				
4.2.1 Library is automat Name of the ILMS software	Nature of auto partially)	omation (fully o		on	Year of autom	ation
4.2.1 Library is automat Name of the ILMS software SOUL	Nature of auto partially)	-			Year of autom	
4.2.1 Library is automat Name of the ILMS software SOUL	ted {Integrated Nature of auto partially)	omation (fully of Fully	or Versi	on 2.0	Year of autom	ation 2015
4.2.1 Library is automat Name of the ILMS software	ted {Integrated Nature of auto partially)	omation (fully of Fully	or Versi Newly	on 2.0 added	Year of autom	ation 2015 al
4.2.1 Library is automat Name of the ILMS software SOUL 4.2.1 Library Services:	ted {Integrated Nature of auto partially)	omation (fully of Fully	or Versi	on 2.0	Year of autom Tota No.	ation 2015 al
4.2.1 Library is automat Name of the ILMS software SOUL 4.2.1 Library Services: Text Books	ted {Integrated Nature of auto partially)	omation (fully of Fully	or Versi Newly	on 2.0 added	Year of autom Tota No. 63149	ation 2015
4.2.1 Library is automat Name of the ILMS software SOUL 4.2.1 Library Services: Text Books Reference Books	ted {Integrated Nature of auto partially) Exis No. 63149 28890	omation (fully of Fully	or Versi Newly No.	on 2.0 added Value	Year of autom Tota No.	ation 2015 al
4.2.1 Library is automat Name of the ILMS software SOUL 4.2.1 Library Services: Text Books Reference Books e-Books	ted {Integrated Nature of auto partially) Exis No. 63149 28890 Del-net	Fully ting Value 	or Versi Newly No. 	on 2.0 added Value 	Year of autom Tota No. 63149	ation 2015 al Value
4.2.1 Library is automat Name of the ILMS software SOUL 4.2.1 Library Services: Text Books Reference Books e-Books Journals	ted {Integrated Nature of auto partially) Exis No. 63149 28890 Del-net 3791	Fully Fully ting Value 	or Versi Newly No. 	on 2.0 added Value 	Year of autom Tota No. 63149 28890	ation 2015 al Value
4.2.1 Library is automat Name of the ILMS software SOUL 4.2.1 Library Services: Text Books Reference Books e-Books Journals e-Journals	ted {Integrated Nature of auto partially) Exis No. 63149 28890 Del-net 3791 Infilbnet	Fully Fully ting Value 	or Versi Newly No. 	on 2.0 added Value 	Year of autom Tota No. 63149 28890 	ation 2015 al Value
4.2.1 Library is automat Name of the ILMS software SOUL 4.2.1 Library Services: Text Books Reference Books e-Books Journals e-Journals	ted {Integrated Nature of auto partially) Exis No. 63149 28890 Del-net 3791	Fully Fully Value	or Versi Newly No	2.0 added Value	Year of autom Tota No. 63149 28890 	ation 2015 al
4.2.1 Library is automat Name of the ILMS software SOUL 4.2.1 Library Services: Text Books Reference Books e-Books Journals e-Journals Digital Database CD & Video	ted {Integrated Nature of auto partially) Exis No. 63149 28890 Del-net 3791 Infilbnet	Fully Fully Ting Value	or Versi Newly No	2.0 added Value	Year of autom Tota No. 63149 28890 	ation 2015 al Value
4.2.1 Library is automat Name of the ILMS software SOUL 4.2.1 Library Services: Text Books Reference Books e-Books Journals e-Journals Digital Database CD & Video	ted {Integrated Nature of auto partially) Exis No. 63149 28890 Del-net 3791 Infilbnet 65121	Fully Fully Value	Or Versi Newly No.	2.0 added Value	Year of autom Tota No. 63149 28890 	ation 2015 al
4.2.1 Library is automat Name of the ILMS software SOUL 4.2.1 Library Services: Text Books Reference Books e-Books Journals	ted {Integrated Nature of auto partially) Exis No. 63149 28890 Del-net 3791 Infilbnet 65121 350	Fully Fully Value	Or Versi Newly No.	2.0 added Value	Year of autom Tota No. 63149 28890 	ation 2015 al Value
4.2.1 Library is automat Name of the ILMS software SOUL 4.2.1 Library Services: Text Books Reference Books e-Books Journals e-Journals Digital Database CD & Video Library automation Weeding (Hard & Soft)	ted {Integrated Nature of auto partially) Exist No. 63149 28890 Del-net 3791 Infilbnet 65121 350 Fully	Fully Fully Ting T T T T T T T T T T-	Newly No.	on 2.0 added Value -	Year of autom Tota No. 63149 28890 	ation 2015 al Value
4.2.1 Library is automat Name of the ILMS software SOUL 4.2.1 Library Services: Text Books Reference Books e-Books Journals e-Journals Digital Database CD & Video Library automation	ted {Integrated Nature of auto partially) Exis No. 63149 28890 Del-net 3791 Infilbnet 65121 350 Fully 	Fully Fully Ting Value <td>Or Versi Newly No. </td> <td>2.0 2.0 added Value -</td> <td>Year of autom Tota No. 63149 28890 </td> <td>ation 2015 al Value</td>	Or Versi Newly No.	2.0 2.0 added Value -	Year of autom Tota No. 63149 28890 	ation 2015 al Value
4.2.1 Library is automat Name of the ILMS software SOUL 4.2.1 Library Services: Text Books Reference Books e-Books Journals e-Journals Digital Database CD & Video Library automation Weeding (Hard & Soft)	ted {Integrated Nature of auto partially) Exis No. 63149 28890 Del-net 3791 Infilbnet 65121 350 Fully 660	Fully Fully Ting Value <td>Newly No. </td> <td>on 2.0 added Value -</td> <td>Year of autom Tota No. 63149 28890 660</td> <td>ation 2015 al Value</td>	Newly No.	on 2.0 added Value -	Year of autom Tota No. 63149 28890 660	ation 2015 al Value
4.2.1 Library is automat Name of the ILMS software SOUL 4.2.1 Library Services: Text Books Reference Books e-Books Journals e-Journals Digital Database CD & Video Library automation Weeding (Hard & Soft) Others (specify) Thesis	ted {Integrated Nature of auto partially) Exis No. 63149 28890 Del-net 3791 Infilbnet 65121 350 Fully 660	pmation (fully of Fully ting Value	Newly Newly No.	on 2.0 added Value EC (under e-	Year of autom Tota No. 63149 28890 660 PG-Pathshala	ation 2015 al Value a CEC
4.2.1 Library is automat Name of the ILMS software SOUL 4.2.1 Library Services: Text Books Reference Books e-Books Journals e-Journals Digital Database CD & Video Library automation Weeding (Hard & Soft) Others (specify) Thesis	ted {IntegratedNature of autopartially)Image: Straight of the straight of	Fully Fully Ting Value	Dr Versi Newly No. <td>2.0 added Value EC (under e- EICT/any of</td> <td>Year of autom Tota No. 63149 28890 660 PG-Pathshala</td> <td>ation 2015 al Value a CEC</td>	2.0 added Value EC (under e- EICT/any of	Year of autom Tota No. 63149 28890 660 PG-Pathshala	ation 2015 al Value a CEC

							module is de	veloped	lau	nching	
								, eropea		e - content	
Dr. MMP S	Shrivasta	va	S	yllabus of H	3.Sc. I & II	(Online			g. 2019	
Dr. K Billo	ore				B.Sc. I & II	(Online	Aug. 2019			
Dr. R Shar					Online			g. 2019			
Dr. V K Sł			-		3.Sc. I & II		Online			g. 2019	
										0	
4.3 IT Inf	rastruct	ure									
4.3.1 Tech	nology U	pgradation	n (overall)							
	Total	Comput	Internet					Availa	ble	Others	
	Comp	er Labs		Canters	Centres		ents	band w			
	uters							(MGBI			
Existing	270	13	Yes	03	02	18	21	100ME	SPS		
Added	70	Nil	Yes	Nil	Nil	Nil	Nil	Nil			
Total	340	13	Yes	03	02	18	21	Nil			
Total	540	15	168	05	02	10	21	INII			
4.3.2 Band	lwidth av	ailable of	internet	connection	in the Instit	tution	(Leased line	•)			
		January of			MBPS		(20000000000000000000000000000000000000	/			
4.3.3 Facil	lity for e-	content									
Name of the e-content development facilityProvide the link of the videos and media centre and recording facility											
		Nil				ann <u>g</u> i	Nil				
					1		-				
4.4 Mainte	enance of	f Campus	Infrastr	ucture							
					ysical facilit	ies an	d academic s	upport fa	ciliti	es,	
excluding s	salary con	mponent, o	during the	e year							
Assigned b	oudget	Expendi	iture incu	rred As	signed budg	et on	Exper	nditure in	curre	ed on	
on academ	ic	on main	tenance of	of ph	ysical facilit	ies	maint	enance of	f phy	sical	
facilities		academi	c facilitie	es			facilit				
7000	000	6	5890430		270000	000		26830	900		
 laborator to be availa Response: 	y, library able in in	, sports cor	nplex, co	mputers, cl		. (max	al, academic imum 500 w was impler	ords) (in	nforn		
(http://www The college has a num Academic Hostel and consist of e well conne and physic The college periodic m engineerin	w.college e has a la uber of l Block, L l Staff Q energy ef cted thro al activit e has a d caintenan g departr	ush green buildings ibrary, Th uarters. T ficient, wa ugh well n ies are can edicated e ce of the l nent main	g) campus like the be Exami the build tter conse maintaine cried out. engineerin buildings tains the	spread in 3 historical nation Dep ings are co erving and od roads. The ng section , the roads buildings b	84 acres of la Red Buildin, partment, Va postructed w sustainable h he College ha maintained b , excessive r	und. F g, Yas rious ith sta buildin as hug py PW ainwa aem at	for academic shwant Hall, Life Science ate-of-the-art ng materials. The sports grou D. The depart ter and grey fregular inte	activitie. Main C s Depart technolo All the b unds whe rtment lo -water di	Office ment ogies ouildt re th oks a raina	Block, s, Boys , which ings are e sports offer the ge. The	

There are 14 science departments with well equipped laboratories, computers, other useful gadgets and ICT facilities. There is a separate research wing in the college where researchers and scholars can work independently.

Adequate provision in the budget is made by the Janabhagidari Samiti and the State Government to conduct the above activities smoothly

The college has a fully automated main library with approximate 92 thousand text and reference books. The departments have their separate departmental libraries also.

The regular monitoring and maintenance of these academic facilities is undertaken by the respective departments through dedicated AMCs and all up-gradation and repair works is 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. 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 Committee and Botany department. The college has deputed watchmen and a third Party Security Agency that works under the supervision of the college administration. They are in charge of the security for the institution.

Annual stock checking of furniture, lab equipment, ICT facilities is done internally by the departments. The department makes committee to write off the equipments, books etc. The report is submitted to the administration by the head of department. There are sweepers and a outsourced housekeeping team to look after the cleanliness and hygiene in the college.

5.1 Student Suppo	rt					
	and Financial Support					
	Name /Title of the scheme	Number of stu	Idents	Amount in Rupees		
Financial support from institution	Half Free ship	42		171200		
Financial support fr	om other sources					
a) National	SC	705		12258769		
	ST	110		2020542		
	OBC	444		9578860		
	Gaon Ki Beti	223		1115000		
	Pratibha Kiran	38		190000		
	Nishaktjan	07		82000		
	MMV	2901		43015000		
	NFHE(Zoology)	02		50000		
	Total	4430		68310171		
b) International	Nil	Nil		Nil		
	Language lab, Bridg			such as Soft skill development, n, Personal Counselling and er Agencies involved		
scheme	nty enhancement	implementation	of student enrolle	ts		
Remedial Classes (2	Zoology)	2019	08	Dept. Faculties (World Bank Pariyojna/RUSA)		
Remedial classes(Pl	harma)	21/11/19	30	-do-		
Remedial Classes (01/10-29/02/20	List?	?? -do-		
Remedial Class(Eng		??	25			
Tr. Prog. on "Advar Techniques for Entr Development"		22/01-14/02/20	25	Dept. of Botany & Carrier Guidance Cell		
Development						

Mushroom Cultivation for self			Seed Technology
employment			
Lecture on Bio Diversity (Dept. of	02/03/20	25	Resourse Person: Dr. C.S.
Zoology & Fisheries & Carrier			Shrivastava
Guidance Cell)			
Short term employment oriented Tr. On	16/09-12/10/19	40	Dept. of Biochem. &
"Health and Nutrition"	& 02-31/12/19		Career Guidance Cell
'SWOT' (Carrier Guidance Cell)	29/07/2019	45	डॉ. कान्ता मूलचंदानी,ए डॉ. सुवर्णा
			तनवानी,डॉ. भारती सिसोदिया,डॉ. सोना सांक्ते.
			शासकीय होलकर विज्ञान महाविद्यालय,
			इन्दौर
Lecture: C.V. Writing(Carrier Guidance	30/09/2019	45	Mr. Pankaj Kothari,

Cell)			
Lecture: Mock Interview (Practical) (Carrier Guidance Cell)	04/10/2019	35	Mr. Pankaj Kothari, Trainer and P.D. Coach
(व्याख्यान) "राजीव गाँधी का सपना" आई.टी. – कम्प्यूटर में अग्रणी देश हो अपना (निबंध एवं परिचर्चा) छात्रों में आई.टी. से सबन्धित कार्य क्षेत्र पर चर्चा।(Carrier Guidance Cell)	11/11/2019	50	डॉ. संजीदा इकबांल, शासकीय होलकर विज्ञान महाविद्यालय, इन्दौर
Lecture: Career Aspects of Bio Sciences Students in Conservation of National Parks. (Carrier Guidance Cell)	12/12/2019	45	Mr. Mridul Kumar Pathak, Chief conservator Officer and ex field director, Bandhogarh National Park.
Lectures: 1. Career Opportunities in Govt. Sector.2. Assessment of Aptitude through hand writing. (Carrier Guidance Cell)	30/01/2020	55	Shri Shailesh Tiwari & Prof. Rishi Mathur – Graphologist
Lectures: Bio Diversity Conservation Through a lens of a Forester, Technology for Avian Studies, Wild Life Sustainability and Management, Zoo Management, Biodiversity (Carrier Guidance Cell)	02/03/2020	50	श्री अनिल नागरए श्री अजय गड़ीकरए डॉ. सुशांत पुनेकरए डॉ. उत्तम यादवए डॉ. सी. एस. श्रीवास्तव
Lecture on Job Opportunities in Questioned Documents (Carrier Guidance Cell & Dept of For. Sc.)	15/01/2020	20	Mr. H.S. Tuteja, (Questioned Document Expert)
Forensic Examination of Blood, Bloodstains and Blood Grouping System (Carrier Guidance Cell & Dept of For. Sc.)	23/04/2020	20	Mrs. Aayushi Dhariwal (Forensic Professional) Central Forensic Science Laboratory Bhopal (M.P.), India
Tr. Prog. on "Organic Farming for Sustainable. Development and Conservation of Environment" (Carrier Guidance Cell & Dept of Seed & Hort.)	28/02- 03/03/2020,	35	(Carrier Guidance Cell & Dept of For. Sc.)
Lecture on career opportunities in Geology (Carrier Guidance Cell & Dept of Geology)	26/11/2019	25	Mr. Bhupesh Sakalle, Alumnus of Dept. Geology, GIS specialist, Canada
"नैतिक मूल्य और विद्यार्थी जीवन"(Carrier Guidance Cell)	07/11/2019	35	वरिष्ठ साहित्यकार,डॉ. सूर्यकांत नागर
Personality Development & Communication Programme (Career Guidance Cell & Dept. of Chemistry)	23/09-14/10/19	94	Mr. Manoj Kothari as Resource person
Language Lab (Career Guidance Cell & Dept. of Chemistry)	23/09-14/10/19	94	College Faculties
Yoga &Meditation(Career Guidance Cell)	23/09-14/10/19	94	College Faculties
Personal Counselling and Mentoring (Career Guidance Cell)	23/09-14/10/19	94	College Faculties

Computer Hardware, Equipment Repairing & fabrication training Workshop (Career Guidance Cell & Dept. of Electronics)			18/11-16/12/19			Team Kirar Elect	Carkeshwar Vyas & his a, Vyas Computer, a Robotix, Sai ronics & Electronics ectrical
reer Guidance		201	2019-20		36	Indus	strial Expert.
of Electronics) Tr. On Embedded System Design based on Aurdino (Career Guidance Cell & Dept. of Electronics)			9-20		20	Indus	strial Expert.
Rashtriy Aandolan (Personality Development Cell)			3/201	9	80	Dr. V	ikas Dave
Samasya Evar		09/09	/201	9	124	Dr. Y	ogendranath shukal
am Aatmnirbh	arta	10/10	/201	9	72	Dr. V	ikas Dave
Gurunanak ke Vichar (Personality Development Cell)			/2019	9	92	Dr. T	rupat Kaur Chawla
Bangladesh Ke Kranti (Personality Development Cell)		28/01	/202	0	65	Dr. S	anjay Jain
	leetings with H	R of Various	s Com	panie	s (Placement	Cell)	
				480 Mr. Ankit pate			Ankit patel
	05.10.	2019				Ms. I	Riya Wora
Pharmalab Ltd.	08.11.	2019				s. Shreya Bhatt	
enerative Cell	10.12.	2019				Ms. N	Megha Vankhade
Pvt. Ltd.	27.12.	2019				Mr. A	Abhishek Sharma
atories Ltd.	10.02.	2020			Mr. S	Mr. Sourabh Jain	
armaceutical	08.05	2020				Ms. I	Preeti Pawar
		competitiv					ounselling offered by
Name of the	Number of	Number o	of	Numl	per of stude	nts	Number of students
scheme	benefited	benefited			-		placed
			у	the co	ompetitive e	xam	
			ng				
	-	activities					
Competitive				NET			Nil
-	100					nce)	1411
							1
						011	1
	& fabrication tr (Career Guidan lectronics) ic Programmin reer Guidance (iics) bedded System o (Career Guida lectronics) andolan (Perso ent Cell) Samasya Evar y Developmen am Aatmnirbha y Developmen am Aatmnirbha y Developmen at ke Vichar (Pe ent Cell) h Ke Kranti (Pe ent Cell) h Ke Kranti (Pe ent Cell) h Ke Kranti (Pe ent Cell) N Software Labs Pharmalab Ltd. enerative Cell cs Pvt. Ltd. atories Ltd. armaceutical	& fabrication training (Career Guidance Cell & lectronics) ic Programming with reer Guidance Cell & Dept. tics) bedded System Design based o (Career Guidance Cell & lectronics) andolan (Personality ent Cell) Samasya Evam Samadhan y Development Cell) am Aatmnirbharta y Development Cell) t ke Vichar (Personality ent Cell) t ke Kranti (Personality ent Cell) h Ke Kranti (Personality ent Cell) b Ke Kranti (Personality ent Cell) f ke Kranti (Personality ent Cell) b Ke Kranti (Personality ent Cell) f ke Kranti (Personality f ke Kranti (Personality f ke Kranti (Personality f ke Kranti (Personality f ke Kranti (P	& fabrication training (Career Guidance Cell & ectronics)201ic Programming with reer Guidance Cell & Dept. tics)201bedded System Design based o (Career Guidance Cell & ectronics)2010bedded System Design based o (Career Guidance Cell & ectronics)21/08andolan (Personality ent Cell)21/08andolan (Personality ent Cell)21/08andolan (Personality ent Cell)21/08Samasya Evam Samadhan y Development Cell)09/09y Development Cell)09/09an Aatmnirbharta y Development Cell)10/10ck Vichar (Personality ent Cell)28/01m Ke Kranti (Personality ent Cell)28/01meetings with HR of Various Software Labs10.10.2019Pharmalab enerative Cell05.10.2019Pharmalab cos enerative Cell08.11.2019ctd.10.12.2019cs enerative Cell10.12.2019cs enerative Cell08.05.2020ents benefited by guidance for competitivion during the yearNumber of benefited students by Guidance for Competitive activitiesNumber of career career counselli activitiesName of the schemeNumber of benefited students by Guidance for careerNumber of career career counselli career	& fabrication training (Career Guidance Cell & lectronics) ic Programming with reer Guidance Cell & Dept. ics) bedded System Design based (Career Guidance Cell & lectronics) andolan (Personality 21/08/201 ent Cell) Samasya Evam Samadhan y Development Cell) am Aatmnirbharta 10/10/201 y Development Cell) k e Vichar (Personality 27/11/201 k e Vichar (Personality 28/01/202 the Kranti (Personality 28/01/202 Meetings with HR of Various Con Software Labs 10.10.2019 Pharmalab 08.11.2019 td. enerative Cell 10.12.2019 Pharmalab 08.11.2019 td. enerative Cell 10.12.2019 cs Pvt. Ltd. 27.12.2019 atories Ltd. 10.02.2020 armaceutical 08.05.2020 ents benefited by guidance for competitive exion during the year Name of the students by Guidance for competitive exion during the year Name of the students by Guidance for counselling activities Competitive 160		& fabrication training (Career Guidance Cell & lectronics) 2019-20 36 ic Programming with reer Guidance Cell & Dept. lics) 2019-20 20 bedded System Design based (Career Guidance Cell & lectronics) 2019-20 20 andolan (Personality samasya Evam Samadhan y Development Cell) 21/08/2019 80 samasya Evam Samadhan y Development Cell) 09/09/2019 124 and Atmnirbharta y Development Cell) 27/11/2019 92 ent Cell) 28/01/2020 65 ent Cell) 72 92 net Cell) 28/01/2020 65 ent Cell) 92 65 ent Cell) 92 65 ent Cell) 92 65 ent Cell 10.12.2019 480 Software Labs 10.12.2019 480 entartive Cell 10.02.2020 65 ext benefited by guidance for competitive examinations and craiterid by guidance for competitive examinations and craiterid by Guidance for Counselling activities Number of stude who have passed the competitive examination externer Number of stude benefited by Guidance for Counselling activities Number of stude benefited benefited benefited benefited benefited benefited benefited benefi	& fabrication training (Career Guidance Cell & ectronics) Team (Career Guidance Cell & Dept. ics) Dedded System Design based 2019-20 36 Indus bedded System Design based 2019-20 20 Indus bedded System Design based 2019-20 20 Indus (Career Guidance Cell & ectronics) andolan (Personality 21/08/2019 80 Dr. V samasya Evam Samadhan 09/09/2019 124 Dr. Y y Development Cell) 37 Samasya Evam Samadhan 09/09/2019 72 Dr. T and Aatmnirbharta 10/10/2019 72 Dr. T at Cell) 48 Vichar (Personality 27/11/2019 92 Dr. T at Cell) 48 Mr. 4 Ms. 1 Ms. 1 Ms. 1 Ms. 1 Ms. 1 Ms. 1 Ms. 2 Ms. 1 Ms. 1 Ms. 1 Ms. 2 Ms. 1 Ms. 1 Ms. 2 Ms. 1 Ms. 2 Ms. 1 Ms. 2 Ms. 1 Ms. 2

					01(Zool	ogy)			
					UGC JF 01(Fore Others:	nsic Sc	· · · · ·		
2019-20	Career Guidance :		75	50		rs: 01(Chemistry) 		Campus Placement in Various Companies(On Campus : 63 Campus Placement in Various Companies(Off Campus): 01 (Pharma)	
Total		16) 75	50		20		``````````````````````````````````````	64
sexual hara	5.1.4 Institutional mechanism for transparency sexual harassment and ragging cases during the Total grievances received No. of grievances					-			
5.2 Studer	nt Progression								
5.2.1 Detai	ils of campus p	lacemen	t during the ye On camp						Off Campus
Name of C	rganizations V	isited		Number of StudentsNumberParticipatedStudent			Number of Students Placed		
LUPIN, Pi	thampur (off ca	ampus)			01		-		01(Pharma Chem.)
Divergent	Software Labs	pvt. Ltd.			100		2	22	
iLEAD					150		C	19	
	Pharmalab La				50)5	
	enerative Cell	Therapeu	tics		60			05	
Pantaloon					30			05	
	atories Ltd.				40			9	
Total	armaceutical				50 492			08 5 3	 01
10181					492		C	15	UI
5.2.2 Stude	ent progression	to highe	r education in	n percei	ntage duri	ng the	year		
Year	Number of students enrolling into higher education	Progr amme gradu ated from	Department graduated from		me of ins			admit	e of ramme ted to
2019-20	29	B.Sc.	Zoology	Go	ovt. Holka	r Scien	ce Colleg	e M.Sc	. Zoology
2019-20	22	B.Sc.	Pharma Chem.	Go	ovt. Holka	r Scien	ce Colleg	e M.Sc Chem.)	. (Pharma.

2019-20	04		B.Sc.	Biotechno	ology	Govt. Holkar	Science College	M.Sc. (Biotech.)	
	03		B.Sc.	Biotechno			Science College	M.Sc. (Botany)	
F	02		B.Sc.	Biotechno	0.		Science College	M.Sc. (Zoology)	
F	01		B.Sc.	Biotechno			Science College	M.Sc. (Chemistry)	
2019-20	07		B.Sc.	Comp. So			Science College	M.Sc.(Comp. Sc.)	
2019-20	10		B.Sc.	Electroni			Serence contege	PG	
5.2.3Studen	ts qualit	fying i	n state/ r	hational/ in	nternat	ional level exa	minations during	the year (eg:	
	-	• •					es/State Governme		
Items		No. o	f Studer	nts	Regi	stration numbe	r/roll number for	the exam	
			ted/ qual		-0				
NET			orensic S		MPO	3503228, MP0	705200663		
				Science)		705203650, M			
SET									
SLET		01(Ze	oology)		1512	20646			
GATE		06(G	eology)		GG2	0\$42038160, 0	GG20S43028136,	GG20S42051041,	
					GG2	0S48007055,6	G20S48006066,	GG20S48004103	
GMAT									
CAT									
GRE									
TOFEL									
Civil Servic									
State Gover	mment		hemistr	y)	Not available				
Services			pology)		6006015221				
Any Other			hemistry		Not Available				
(UGC-JRF)				cience)		3503228			
5.2.4 Sports	s and cu	ltural a			tions of	organised at the	institution level of		
D1(111/		00/11/	Activi	ty			Level	Participants	
Basketball(19)				Division Level 180		
Tennis(M)	`	/					Division Level	35	
Tennis(M)			(Eab)	2)			Division Level	50	
Teachers/En				J)			Division Level	450	
Volleyball(District Level District Level	250 180	
Volleyball(Football(M							District Level	250	
Borans Cup)				District Level	350	
<u>+</u>			& Mar	ntal Fitna	00 117	ith Covid-19	National Level	550	
Awareness			a wiei	пат гипе	55 W	un Covi u -19	Inational Level	350	
			mmunit	V & Dear	e hv	Meditation"	National Level	550	
(21/06/20)	n mp		minumi	y & real	c by	wicultation		300	
Training ca	mn were	e Organ	ized dur	ing the sea	ssion f	or various	College level	450	
-	-	-		-		le-Tennis etc.		150	
Judo Karate	•						College level	150	
Yoga trainii			8				College level	145	
Various gan			n the oc	casion of a	nnual	function	College Level	1200	
						rious culture	College level	1500	
activities &							0		
College level Inter class youth festival organized (26-28/09/19)					26-28/09/19):	College level	50		
Music - Solo song (classical, Sugam, Western), Group song							_		

	Ger Filmy), In			an tal				
	hap) competitions							
-	vel Inter class you				College	level	55	
	peech, Quiz, Post	<u> </u>	-					
	, cartooning, Rang							
-	vel Inter class you				College	level	55	
	assical), Group d			Aaims,				
	icry competitions							
	egiate youth festi	ival organize	d (03-05/10/20)) were	District l	evel	100	
organized								
-	ent Participati							
	nber of awards/me				-		vities at	
national/ir	nternational level (award for a te		d be cou	inted as or	1		
Year	Name of the	National/	Sports	Cultur	al	Stude	Name of the	
	award/ medal	Internation				nt ID	student	
		al				numb		
						er		
2019-20	Winner	State Level	Table Tennis				Zainab Khan	
2019-20	Winner	State Level	Table Tennis				Shivani Patidar	
2019-20	Representation	University	Cricketl				Sagar Barde	
2019-20	Representation	University	Cricketl				Bhumika	
				-			Chauhan	
2019-20	Representation	University	Volleyball				Mahi Sharma	
2019-20	Representation	University	Volleyball				Deeksha Barde	
2019-20	Representation	University	Volleyball				Sakshi Mandloi	
2019-20	Representation	University	Table Tanis				Zainab Khan	
2019-20	Representation	University	Athletics				Mahak Khan	
2019-20	Representation	University	Chess				Akshita Dubey	
2019-20	Representation	University	Hockey				Himanshu	
							Verma	
2019-20	Representation	University	Hockey				Tejaswini Goud	
2019-20	Representation	University	Football				Shobha Yadav	
2019-20	Representation	University	Football				Megha Yadav	
2019-20	Representation	University	Boxing				Rashmi Kumari	
2019-20	Representation	University	Baseball				Jaya Mourya	
2019-20	Representation	University	Volleyball				Sumit Raghuwanshi	
2019-20	Representation	University	Table Tennis				Shivani Patidar	
2019-20	Representation	University	Softball				Jaya Mourya	
2019-20	Representation	University	Softball				Deepika Patel	
2019-20	Representation	National		Writing C	Competition		Mausam Rajput	
2019-20	Representation	National		Poetry	,		Mausam Rajput	
2019-20	Representation	National		Elocut	ion		Mausam Rajput	
2019-20	Representation	National		Essay	Writing		Mausam Rajput	
2019-20	Representation	State level		Debate	<u> </u>		Mahi Sharma	
2019-20	Representation	State level		Speech	h		Mahi Sharma	
2019-20	First & Running	University		Debate			Anirudh	
	Trophy			(organize			Chandrawanshi,	
					vari College)		Nikhil Neve	
2019-20	Representation	University		Debate	e		Utkarsh Mishra	

2019-20	Prashsti Patra	National	 Indian Book of	 Gajendra
			Record (Maximum	Sharma
			word heritages sketched on waste coconut shells)	 Radhika Udawat
2019-20	Second	University	 Debate (organized	 Nikhil Neve
2019-20	Third		by Abhyas Mandal)	Raksha Yadav
2019-20	First	University	 Dance (organized	 Nikhil Kheera
			by Arihant College)	
2019-20	Third	University	 Group Dance	 Rinkesh and
			(organized by	Diksha
			Arihant College)	
2019-20	Performance	State level	 Group Dance	 Souabh Gadwal
			(State level Youth	
			Fest. At APS Univ.	
			Rewa)	

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

Every year student committee of meritorious students is constituted. This committee played an important role in the smooth functioning of college annual function. The committee 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. Student also acts as a member of board of studies of various departments. On merit basis there are PG associations are also constituted in PG departments. These associations look after the academic activities, seminars of student and educational tours etc of the departments during the session.

5.3 Alumni Engagement

5.3.1 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:

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

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. During the session on 24/06/20 the online alumni meet organized by the college around 331 alumni across the country/world were join this meet and gave their feedback, made suggestions for the betterment of the institution. Apart from these various Departments have departmental alumni association. These departments organize alumni meets time to time. During the session alumni meet organized by Seed & Hort., Biochemistry departments. In these meetings the feedback are taken, analyze and taken steps as per feedback.

5.3.2 No. of registered Alumni:
407
5.3.3 Alumni contribution during the year (in Rupees) :
OHA – Nil, Alumni of Horticulture & Seed Dept.: Rs.5000, Alumni of Biochemistry Dept.:30000;
5.3.4 Meetings/activities organized by Alumni Association :
OHA: 01, Horticulture & Seed Dept.: Meeting – 02, Activity – 01; Biochemistry Dept.: Meeting : 03,
Activity: 01(Golden Jubilee Celebration 03/11/2019)

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)

Response:

Holkar Science College, Indore is one of the most prestigious institution in central India. It is an autonomous institute since 1989. The College practices both decentralization and participative management at three levels i.e. at Academic level, Administrative level and by the Examination Department.

For academic activities, the departments are given sufficient autonomy. The principal appoints head of the departments under the decentralized policy. The HOD's along with the faculty members take various decisions for the smooth functioning of the department. The committees, various cells etc are formed by the administration that looks after the various schemes, admission process, finance, career counselling for the students etc. The entire college is involved and participates for the betterment of the institution.

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.

The activities related to examination are controlled by the Examination Department headed by the controller and deputy controllers along with supportive office staff. Examination department makes the examination schedule. The college follows semester system at UG and PG levels. From the year 2017 college adopted annual system at UG level.

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:

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 Studies of the college approves the syllabi proposed by the Department of Higher Education. The College has the autonomy of 10% enhancement in the proposed syllabi at UG level for their respective courses for maintaining the standards of instruction. Framing of Guidelines for examination and valuation is conducted by the examination department. At PG level Credit based choice system has been implemented with open elective papers. This approach aims to empower learners to shape their education through choices.Each year the syllabi are revived/revised accordingly in the presence of the subject experts. It involves planning, identifying, modifying and evaluating the content according to the learner. The reviews are done on the basis of practical requirements and industry needs. The developed curriculum is adapted in relevance with Regional/National/Global development needs.The contents of the syllabus is oriented toward generating employability, entrepreneurship and skill development. The curriculum design teaches

students how to look at a problem and formulate a solution. Considered an authentic form of learning because students are exposed to real-life issues, this model helps students develop skills that are transferable to the real world. Problem-cantered curriculum design has been shown to increase the relevance of the curriculum and encourages creativity, innovation and collaboration in the classroom.

Teaching and Learning

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, etc.), Lecture Method, Demonstration Method, Tutorial Method, Observational method, Survey method etc. remedial classes are organized for slow- learners.

***** Examination and Evaluation

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, internal exams, tests and projects to examination department. The college follows semester system at BCA(UG) and PG levels. From the year 2017 college adopted annual system at B.Sc.(UG) level. For B.Sc.(UG) courses, 2 internal exams (Quarterly & Half yearly), assignments are mandatory followed by one final exam in each year. For BCA(UG) courses, 2 internal assignments (CCE) are mandatory followed by final examination 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 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.

Research and Development

The college has a College Research Cell. This cell provides guidance to faculty about funding 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. Rresearch labs have emerged as specialized areas involve 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. The college follows two types of research:

1. Basic Research: This type of research system is followed at PG level on the basis of small project and assignments.

2. Applied Research: This type of research is mainly followed in PG and Post PG research where students focus mainly on more specific and directed objectives and investigations.

During the session one major project (Physics) is ongoing, one symposium on IPR, one workshop on IPR, About 32, Seminar/Workshop/FDP/Webinar were organized by the institute during the session. 14 Ph.D. awarded under the guidance of faculties, 82 papers published in various journals of national & international repute by the faculties, about 227 participations, 05 paper presentations by the faculties during the session.

Library, ICT and Physical Infrastructure / Instrumentation

The library is fully automated and has 63149 text books and 28890 reference books all bar coded, 3791 Journals, 350 CDs, 660 Thesis, 65121 digital database. 25 computers. Del-Net, INFLIBNET, ejournal facility is available in the library. Library is fully automated by SOUL 2.0 ILMS software. Some PG departments have separate departmental libraries e.g. Biochemistry, Microbiology, Pharmaceutical chemistry, Horticulture and Seed Tech. etc. 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. The college spread in 34 acres of land having 51 classrooms, 44 laboratory, 05 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 Industries are organised by department of Microbiology and department of Pharmaceutical Chemistry for M.Sc. students to help them understand the working of various Industries and Laboratories with regard to their subjects in syllabus and with respect to various job opportunities. Students are prepared for 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. 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 (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 Barelly (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, Noble Alchem Pvt. Ltd. (Agribooster), Sanwer Road, Indore, M.P., Tuteja's Forensic Examination and Research Centre, Indore. International institutes - Research Institute of Organic Agriculture, Switzerland. During the session college has sign MOU's from Research institute of Org. Agri. Switzerland (Dept. of Botany)(renewal), Government Institute of Forensic Science, Nagpur, Maharashtra (Dept. of For. Sc.), Govt. Mata Jijabai Girl's PG college, Indore (Dept. of Micro Bio), Index Medical College Indore (Dept. of Biotech & Info.).

***** Admission of Students

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.

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

Planning and Development

The college has its own website. Each and every information is uploaded on the website from time to time. The departmental profile is available on the website where all the activities conducted by the departments, syllabus, scheme of marks etc are uploaded. Students profile has also been created on the website. A student can download his/her result, exam forms etc from it. Admission and examination fee are collected trough 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 is 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.

* Administration

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.

✤ Finance and Accounts

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 guest/temporary faculties and employees appointed by JBS. The statutory dues of students and faculties are paid online on time. The salaries of regular employee's are maintained through IFMIS system by the Government.

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 the application form are verified at any Govt. college of M.P.. Finally, on the merit bases as per the allotment the student can seek the admission in the allotted college/course. This process done in many round as required. At the end for vacant seats the CLC round is organised at college on first come first/merit basis. All the information of the students admitted to the college is available on Higher Education department/College website.

***** Examination

The activities related to examination are controlled by the examination department. This department make examination schedule. The college follows semester system at PG level & at UG(BCA) level, while annual system at UG(B.Sc.) level. Student can fill their examination forms. Admit cards are generated online and student can download from the college website. 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 deposit fee online through SBI collect.

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	for which membership fee is provided	Amo unt of supp ort
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

0011080	concess for teaching and non-teaching start 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 participant s (Teaching staff)	No. of particip ants (Non- teaching staff)		
2020	Workshop for Laboratory Technicians (Chemistry)		04/01/20	25	225		
2020	Application of Advanced Scientific Instrumentation with entrepreneurship guidance (Pharma Chem. & PG Tech.)		08-15/06/20	150			

2019	One week workshop on "Qualitative & Quantitative Analysis (Pharma Chem. & PG Tech.)		10-15/10/19	45	
2019	One week Workshop on "Research Methodology"(Comp. Science)		16-20/12/19	55	
6.3.3 N	o. of teachers attending professional devel	opment program	mes, viz., Orient	tation Prog	gramme,
Refresh	er Course, Short Term Course, Faculty De	velopment Progr	ammes during t	he year	
Title of	the professional development	Number of teac	chers who	Date and	
progran	nme	attended		Duration	
				(from - t)	(o)
	Induction Programme: RCPV Naronha ny Bhopal	02 (Tasnem Ra Sheetal Uike)	ngwala,	20-25/01	/20
Refresh	er Course: DAVV, Indore	01 Nidhi Parma	ar	29/08-11	/09/19
		01(Chemistry)			
learning	esign & Development of MOOCs and e g Technologies: Guru Govind Singh astha University	01 (Pramila Sa	dhav)	10-16/05	520
	Iodern Educational Tools and	01(Pramila Sac	lhav)	20-25/06	5/20
	gical Practice for Online Teaching:				
-	lankar Inst. of Tech.				
FDP: M	Ianaging online classes and Co-Creating s:2.0:Ramanujan College, Univ. of Delhi	01 (Pramila Sa	dhav)	18/05-03	3/06/20
FDP: Application of Advanced Scientific Instrumentation with Entrepreneurship guidance: Dept. of Higher Ed. & PG Tech.		08, Vishnu Gadgil, Priyanka Tiwari, Prameela S, Ruchi Shivle, Alka Dubey, Shanti Patidar, Kamla Shivani, Pramila Sadhav 02(Bio Chemisry), 01(Microbio), 01(Mathematics)		08-15/06	5/20
	ecent Awareness in Forensic Ballistic blosive Examination: SVVV Indore	04, Ritu Bharti Ahirwar, Neha Satish Rai		03-04/10)/19
	erm Course: Advanced Agro Tech. For Development: H.Sc. (Botany)	05, Kislaya Par N.K.Jain, Smit Pramila Sadhay Chaturvedi	a Dubey,	22/01-14	/02/20
	erm Online Course: Research ology in Social Sciences: HSGour Univ.	01 Laxmi Tant	uway	16-22/09)/19
	erm Tr.: Health Nutrition: H.Sc. em & Career Guidance Cell)	02, Deepti Kha Sharma	re, Anuja	16/09-12	2/10/19
Short te	erm Course: Big data & Machine g: DAVV Indore	02 Naresh Pate Sharma	l, Chitranjan	14-19/10)/19
SWAYAM online course: Modern Algebra: Madurai Kamraj Univ.		01 Naresh Pate	1	July to C	oct.19

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 were organized during the session. Medical Reimbursements: As per the guidelines of state Govt. medical					
6.3.5 Welfare sc	chemes for				
NA NA		NA	NA	NA	
Permanent Fulltime		Permanent	Fulltime		
Teaching			Non-teaching		
6.3.4 Faculty a	nd Staff recrui	tment (no. for perm	nanent recruitment):		
10001				L	
Naronha Acader Total	-		Choure, M.K. Diwedi 85		
Workshop: Acad	-	oment: RCPV	03, Bijendra Rai, V.R.	22-28/06/20, 27/06-04/07/20 16/08/19	
indoic)				10-14/06/20, 15-20/06/20, 17-21/06/20, 19-24/06/20, 20-21/06/20, 22-28/06/20,	
FDP: Tr. on C o Indore)	& C++: Comp	o. Sc. (HSC	23 (Computer Science)	10-23/12/19, 15-19/06/20,	
STeaching Lean Crit.2)	rning & Evalua	ation (NACC	01Micro)	19-20/06/20	
DST Sponsored Technologies: M	Winter Schoo INIT Bhopal	l: Geospatial	01 S. Choure	29-30/01/20	
DST Sponsored Technologies in Birla Inst. of Sc	water Resource	ce Management:	01 S. Choure	11-12/11/19	
DST Sponsored Technologies: M	<mark>/IS Univ. Uda</mark> y	pur	01 S. Choure	09-10/12/19	
Cmbridge Asses	sment English:	Cambridge Univ.	05, Suwarna Tanwani, Prerna Ojha, T. Abbasi, K. Mulchandani, Rajni Mishra,	03-06/09/19	
Nature's Altruis	Smmer Tr. :Harbal Drugs: SAGE Univ. Nature's Altruism and our contribution: SNPG College, Khanwa		04, Pushpa Makwane, Meenal Shrivastava, Reeta Agrawal, Pramila Kori,	28/05-03/06/20	
Plants and Yoga	a: GDC, Ujjain		04, Pushpa Makwane, Meenal Shrivastava, Reeta Agrwal, Pramila Kori,01, Kamla Shivani	08-14/06/20	
Covid-19 crisis awareness: Ayurveda Immunity Boosting Plants: Old GDC, Indore		05,Kislaya Pancholi, Kamla Shivani, Smita Dubey, Priti Chaturvedi, Pramila Sadhav 01(Microbio)	18-24/05/20		
SWAYAM online course: Differential Calculus: Univ. Of Kaikat		01 Naresh Patel	July to Oct.19		

	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.
	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. TWF: 4% Teachers welfare fund is collected and made available by the college as
	per the necessity of teachers. Academic Facilities: Computer facility with internet is available in library and for
	all teachers and employees.
	Staff Quarters: The college provides Three residential houses for teaching faculties in the college campus.
	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.
	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
Non-teaching	working in higher education department is available.
6	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
	to all employees. Academic Facilities: Computer facility with internet is available in library and for
	all employees.
	Staff Quarters: The college provides Twelve residential quarters available for non teaching staff in the college campus
	Health services: The college has PHC in its premises. 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. 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
Students	counselling, spoken English classes, communication skill programmes are organized
Students	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.
	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, Gaonkibeti, Pratibha Kiran, Vikrmaditya, Inspired and Minority scholarships
etc are available for students.
Hostel facility: College has a 100 setter boy's hostel in the campus.

6.4 Financial Management and Resource Mobilization

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

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.

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	Authority	
Academic	Yes	Dept. of Higher Education (World Bank Project)	Yes	College	
Administrative	Yes		Yes		
(5.2) A stivities and suggest from the Depart Teacher Association (at least three)					

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 being proposed.

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

	umber of Quality Initiatives undertaken of		Dungtion	N1
Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (fromto)	Numb er of partici pants
2019	Hardware/ Networking workshop:	Dept. of Comp. Sc. & Astha Mishra, Amit Pandit	15-16/11/19	250
2019	Computer Hardware, Equipment Repairing & Fabrication Tanning Workshop	Dept. of Electronics	18/11/19	36
2020	Certificate Course on Basic Programming with Python:	Dept. of Electronics	24/01/2020	36
2020	Certificate course on Embedded System Design using Arduino:	Dept. of Electronics	24/01/2020	20
2019	Personality Development & Communication Skill for M.Sc. Student:	Dept. of Chemistry & Carrier Guidance Cell	23/09-13/10/19	88
2019	Psychological counselling center is started for UG and PG Students :	Dept. of Chemistry & Carrier Guidance Cell	23/09-13/10/19	80
2020	Internship Programme on "Instrumentation Techniques":.	Dept. of Chemistry & Pharma. Chem	06-18/01/20	48
2020	Short term Tr. On "Advanced Agro Techniques for Entrepreneurship Development"	Dept. of Botany	22/01-14/02/20	25
2019	Hands on Training Programme on Mushroom Cultivation for self employment	Dept. of Horticulture & Seed Technology	10 -11/10/19	30
2020	National Workshop on Intellectual Property Rights	Dept. of Physics & Electronics	12-13/03/20	55
2019	National Symposium on Mathematics (Ramanujan Day)	Dept. of Mathematics	24/12/19	65
2019	International Conference on "Recent Advances in Life Science for Betterment of Human Health" (ICRALBEH-19)	Dept. of Zoology	14-15/12/19	150
2020	Bio Diversity	Dept. of Zoology & Fisheries	02/03/20	25
2019	One week workshop on "Qualitative & Quantitative Analysis	Dept. of Pharma Chem. & PG Tech. Research Inst. Indore	10-15/10/19	45
2020	Application of Advanced Scientific Instrumentation with entrepreneurship guidance	Dept. of Pharma Chem. & PG Tech. Research Inst. Indore	08-15/06/20	150
2019	One week Workshop on "Research Methodology"	Dept. of Comp. Science	16-20/12/19	55
2019	Bhuvisanwad (Academic Interaction Programme)	Dept. of Geology and Geological Survey of India	15-16/11/19	35

2019	Short term employment oriented tr.	Dept. of Biochem. &	16/09-12/10/19	40				
	On "Health and Nutrition"	Career Guidance Cell						
2020	National Webinar on "Teaching-	IQAC HSC, Indore	19-20/06/20	160				
	Learning and Evaluation"							
2020	Online Certificate course on	Dept. of Bio. Tech. &	15-28/10/20	250				
	"Molecular & Computational	Bio. Info.						
Biology"								
Various	Various Webinars organized during the session (Covid-19 Pandemic Time)							

CRITERIONVII –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)	Partici	Participants	
		Female	Male	
Vigilance Awareness Week (Red Cross Soc. & Biochem.)	29/10-03/11/19	20	15	
Women Empowerment Session JUDO/Karate Organized (NSS)	07/09/19	55	10	
Women's day, Judo-Karate etc (Red Cross & NSS)		50	05	
Judo Karate training camp for girls in self defence (Sports)		150	05	

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

		No. of
Items Facilities	Yes/No	Beneficiaries
Physical facilities	Yes	02
Provision for lift	No	Nil
Ramp/ Rails	Yes	01
Braille Software/facilities	No	Nil
Rest Rooms	Yes	Nil
Scribes for examination	Yes	Nil
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	Number	Date and	Name of the initiative	Issues	Number of
	initiatives	of	duration of		addressed	participati
	to address	initiative	the			ng
	locational	s taken	initiative			students
	advantage	to				and staff
	s and	engage				
	disadvanta	with and				
	ges	contribut				
		e to local				
		communi				
		ty				

2019-20	 05	14/11/2019	Astha old age Home visit (Pharma. Chem.)	Social activities.	35+5
			Visit (i harma. Chem.) Visit to Musakhedi	Awareness	30+5
		08/08/19	Slum area (Red Cross	About	30+3
		00/00/19	Soc. & Biochem.)	Hygiene,	
		14/01/20	Visit to Jyoti Niwas	Nutrition &	20+2
		14/01/20	old age home	Health.	20+2
			(Botany)	Health.	
		12/10/19	Visit to village	-	20+2
		12/10/19	"Jamlia" (Zoology)		2072
		02/11/19	Visit to Jeevan Shala		15+2
		02/11/17	Visharjan Ashram		13+2
			(Slum area):(Biotech		
			& Bio Info.)		
2019-20	 04	01/08/19	Plantation (Biotech &	Plantation	50+5
2017 20			Bio Info.)	programmes	0010
		11/08/19	Plantation: Hariyali	for green	65+10
		11/00/17	Mhotsav (NSS)	and eco-	05+10
		30/08/19	Plantation Activities:	friendly	25+10
		50/00/17	Botanical Garden	campus &	23 110
			(Botany)	awareness	
		22/09/19	Tagging of Plant:	about	15+5
			College campus	environmen	1010
			(Botany)	t	
2019-20	 02	30/12/19	Blood Donation Camp	To create	20+5
	-		(NSS, Red Cross Soc.	awareness	
			& Biochem.)	in the	
		01/12/19	Blood donation camp	society	40+3
			MY Hospital	about blood	
			(NSS)	donation	
2019-20	 01	26/01/20	Polythene Free	Clean &	25+5
			Campus Prog.(Red	Eco-	
			Cross)	friendly	
				campus	
2019-20	 02	07/02/20	Lecture on scientific	Awareness	25+5
			basis of cancer	about	
			awareness and	Cancer	
			training on CPR (Red		
			Cross & Biochem.)		
		04/02/20	Poster competition on		15+5
			cancer Awareness		
			(Red Cross Soc. &		
			Biochem)		
2019-20	 02	07/03/20	Health Check-up	Health	50+5
			camp on women day	Issues: Care	
			(Red Cross & Women	&	
			Empowerment cell)	Awareness	
		17/11/19	Eye Check-up camp	about	55+5
			(NSS & Red Ribbon	Health	
			Club)		

2019-20		05	17/01/20	Poster competition on AIDS Awareness (Red	Awareness programmes	15+5
			20/11/19	Cross & Biochem.) Street play on AIDS awareness (NSS &	about AIDS	30+5
				Red Ribbon Club)		
			29/11/19	AIDS awareness rally (NSS & Red Ribbon Club)		25+5
			28-30/12/19	Poster Making competition: "AIDS Awareness" (NSS & Red Ribbon Club)		50+5
				National AIDS Control Program (National AIDS Control Organization & Bot.)		50+1
2019-20		01	29/10- 03/11/19	Vigilance Awareness Week (Red Cross & Biochem.)	Vigilance Awareness	30+5
2019-20		01	24/08/19	Rally against "Food Adulteration" (NSS)	Awareness about Adulteration	65+25
2019-20		02	26/02/20	Lecture on Road Safety (NSS)	Traffic awareness	55+4
			15/07/19	Traffic Control Programme (1BNNCC)	programmes	25+2
2019 -20	01		Continuous process	Scenic Beauty	Maintenance of natural geography	Faculties/ students
2019 -20	01		Continuous process	Pollution free environment	Maintenance Green area and once a week the staff member and student use bicycle to come the college	Faculties/ students
2019 -20	01		Continuous process	Facilitate to students for city bus concessional pass	College situated in the city and is properly connected with BRTS roads	students/fa culties /employee s
2019 -20	01		Continuous process	Facilities of hostels	Various private hostels and governments post metric hostels are at the walking	students

						,
					distance	
					from the	
					College	
2019 -20	01		Continuous	Academic	University	students
			process	environment	campus is at	/faculties
					the walking	
					distance	
					from the	
					college,	
					students can	
					avail the	
					facility of	
					•	
					university	
					central	
	0.4		~ .		library	
2019 -20	01		Continuous	Environment of	Many	students
			process	competitive exams	private	
					coaching	
					inst. for	
					competitive	
					examination	
					s like: civil	
					services,	
					banking	
					services,	
					CET etc.	
					Are at the	
					walking	
					distance	
					from the	
					college	
2019 - 20	01		Continuous	PHE available in	Stake	students
2019-20	UI				holders seek	/faculties
			process	campus		
					consultancy	/employee
					about their	S
					health	
					regularly	l
		and Profession				
		ndbooks) for va				
Title		Date of Publicat		Follow up (maximu		
Code of co	Code of conduct18/07/2018The college functions under the Dept. of Higher Education					
Govt. of M.P The code of conduct for various stake holder						
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 rule						
				n by UGC. The coll		
			-	d in the Gazette of Indi		
				Education. Besides thi	_	-
			five pol	icies: Green Policy, I	Research Policy,	IT Policy,
			Women	empowerment policy, V	Values & professi	onal policy.

7.1.6 Activities conducted for promotion of universal Values and Ethics Activity	Duration	Number
Activity	(fromto)	of participa nts
Old Age home/Slum area Visit : Social Activitie	S	
Astha old age Home visit (Pharma. Chem.)	14/11/2019	40
Visit to Musakhedi Slum area (Red Cross Soc. & Biochem.)	08/08/19	35
Visit to Jyoti Niwas old age home (Botany)	14/01/20	22
Visit to village "Jamlia" (Zoology)	12/10/19	22
Visit to Jeevan Shala Visharjan Ashram (Slum area):(Biotech & Bio Info.)	02/11/19	17
Plantation: Eco Friendly Environment	·	
Plantation (Biotech & Bio Info.)	01/08/19	55
Plantation: Hariyali Mhotsav (NSS)	11/08/19	75
Plantation Activities: Botanical Garden (Botany)	30/08/19	35
Biochemistry: Plantation	31/01/19	30
Tagging of Plant: College campus (Botany)	22/09/19	20
Blood Donation/Health awareness Programmes		
Blood Donation Camp (NSS, Red Cross Soc. & Biochem.)	30/12/19	25
Blood donation camp MY Hospital (NSS)	01/12/19	43
Lecture on scientific basis of cancer awareness and training on CPR (Red Cross & Biochem.)	07/02/20	30
Poster competition on cancer Awareness (Red Cross Soc. & Biochem)	04/02/20	20
Health Check-up camp on women day (Red Cross & Women Empowerment cell)	07/03/20	55
Eye Check-up camp (NSS & Red Ribbon Club)	17/11/19	60
Poster competition on AIDS Awareness (Red Cross & Biochem.)	17/01/20	20
Street play on AIDS awareness (NSS & Red Ribbon Club)	20/11/19	35
AIDS awareness rally (NSS & Red Ribbon Club)	29/11/19	30
Poster Making competition: "AIDS Awareness"(NSS & Red Ribbon Club)	28-30/12/19	55
National AIDS Control Program (National AIDS Control Organization & Bot.)		51
Other Activities	· · · · · · · · · · · · · · · · · · ·	
Vigilance Awareness Week (Red Cross & Biochem.)	29/10-03/11/19	35
Rally against "Food Adulteration" (NSS)	24/08/19	90
Lecture on Road Safety (NSS)	26/02/20	59
Traffic Control Programme (1BNNCC)	15/07/19	27
Microbiology: Khan river water analysis	Sept. Nov. 19	45
Horticulture & Seed Tech: EkVidhyarthi Ek Phodha Ropan Abhiyan,	01-20/08/19	64
Kisan Divas,	23/12/19	45
Visit To Tirupati Nursary Barwah (M.P.),	12/12/19	55
Chemistry: Visit at Blind School, Indore	One day	25
7.1.7 Initiatives taken by the institution to make the campus eco-friendly (a		
To reduce pollution and create eco-friendly campus College is working in v		
Energy conservation: Large size windows in the classrooms for good v		are mos

installed with CFL bulbs to minimize the expense of electricity. A solar panel plant is also proposed. **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.

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.

Reuse of papers: Reuse of one sided printed paper and remaining practical file pages is the regular practice of the College.

Microbiological Analysis: Microbiological analysis of drinking water from various sources on campus is done through department of Microbiology.

Others: We aware to students and staff to reduce the use of plastic material. Online practices are promoted to reduce paper work to save greenery. Use separate dustbins for degradable and non-degradable matters. ECO club of College organized various programmes for environment awareness and protection.

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

(Annexure VII)

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", "Microbial Analysis of Water" 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: "Microbial analysis of Water samples from different locations on GHSC campus"

Aim and Objectives :

A.Aim: To provide facility of safe and healthy drinking water in college campus.

B. Objectives: The main objective behind this project is to provide facility of safe and healthy drinking water. This study will help in following ways:

- Identifying existing problems
- Ensuring whether water is suitable for the intended use, especially if used for drinking purpose
- Tracking changes over time
- Determining the effectiveness of a treatment system

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 Context: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. DeeptiKhare, 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.

The Practice :Water testing is carried out to meet the regulatory requirements and adhere to the safety procedures that are needed for pollutant-free water.

- 1. Sampling of different water sources- tube well and R.O drinking water units on campus
- 2. Coliform bacteria- Indicate the presence of microorganisms in the water that are potentially harmful to human health.
- 3. 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.

Evidence of Success: A total of 15 drinking water samples collected from various water sources on campus were analyzed every three months since the year 2016- till date in the Department of Microbiology. It was observed that out of 15 samples, 07 samples shown contamination by Coliforms in the session 2016-17. Out of 15 Samples 05 samples and 03 samples shown contamination by Coliforms in the sessions 2017-18 & 2018-19 respectively. In session 2019-20, out of 15 samples 02 samples shown contamination by Coliforms:

S.N.	YEAR	TOTAL NO. OF SAMPLES	CONTAMINATED SAMPLE NO.	TOTAL CONTAMINATED SAMPLES
1	2016-2017	15	03,04,05,06,07,08,10	07
2	2017-2018	15	03,04,05,07,10	05
3	2018-2019	15	03,04.05	03
4	2019-2020	15	03,04	02

Problems Encountered and Resources Required:The M.Sc. Students collected the samples from different water sources on campus and performed MPN for detecting the coliform using resources available in the department lab.

Title of the practice : Working of the Examination Department

OBJECTIVE: The aim of the Exam Department is to conduct the exams on time and declare the result at the earliest for the benefit of the students. The whole process is fair, impartial and transparent. The exam department aims at making the system smooth and hassle free for all. The department works with the objective of maintaining confidentiality, honesty and integrity of the entire procedure and to live up to the reputation of the institution To make innovations and thereby improve and upgrade the system according to the need of the hour.

Context: Holkar Science College is one of the oldest and the most prestigious institute in central India. It abides by the rules & regulations laid down by the Department of Higher Education Govt. of M.P. The number of students in the college is nearly 5000 and there are a variety of combinations at UG and PG levels. The exam department has to coordinate with all the departments regarding CCES, practical, seminars, internship etc. The department has to be watchful about on time conduction of exams, evaluation of the copies, declaration of the result etc.

Practice: There are five programs running successfully in the college namely B.Sc. BCA, M.Sc. M.Phil., Ph.D. The Exam Department functions round the year to maintain the annual time table declared by the Dept. of Higher Education. Some of the practices carried out by the department are:-

- 1. Central valuation of UG A/B's with the MOI by the setter.
 - 2. Valuation of PG A/B's by the paper setter
 - 3. Spot moderation (On the day of Examination)
 - 4. MOI prepared by the paper setter

- 5. Showing valued A/B's to the students in front of parent's Subject expert and HOD of the subject concerned
- 6. Revaluation of A/B's
- 7. Displaying the answer books of the Toppers
- 8. Coding of A/B's
- 9. Microscrutiny of A/B 's by subject expert
- 10. Computerized Tabulation
- 11. In house printing of non confidential material
- 12. Hologram sticking on Marksheet
- 13. Merit Certificate to Toppers
- 14. Revaluation in main & ATKT Exam
- 15. M. Phil admission through Entrance Test followed by interview
- 16. UG, PG admission through online system
- 17. Exam fees deposition Online
- 18. Special exam for those student who have represented in National/ state level activities of NCC/NSS etc.
- 19. Preparation of transcripts for students going abroad for further studies.
- 20. Exam form can be downloaded from the college website
- 21. Student's profile on college website with two layered security is available. A student can view his/her result, download exam forms, revaluation form, copy showing form etc.
- 22. From 2017 the profile of all departments are available on the website. It includes the details of the faculty members, syllabus of the programmes and all the courses/ papers, details of workshops, seminars, conferences etc.

From 2019:

- > Passport size photo of the student on the mark sheet.
- > Part of Aadhar number printed on mark sheet.
- > QR code printed on mark sheet.
- Conduction of on line examination due to Covid-19 pandemic.

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. (Annexure VIII)

"Research Studies on Unknown Foul Odour of Indore City-2019"

Aim and Objectives :

Aim: To investigate the foul odour reported in Indore city and to find its probable reasons. *Objectives:*

- *i.* To perform survey of affected localities to know the details of foul odour.
- *ii.* To get Questionnaires filled from local residents to get their views on foul odour.
- *iii.* To visit the affected regions of the city.
- iv. To perform Sampling of soil from affected regions and its analysis.
- v. To perform Sampling of water from Khan river from affected region and its analysis.
- vi. To perform Microbiological analysis of air of affected region.
- vii. To observe of wind flow directions during hours of foul odour.
- viii. To interpret the data for probable reasons of foul odour.

The Context: Indore city has been awarded with the title of "the cleanest city of India" for the last three successive years. City is well known for its cleanness and waste management. The Indore Municipal Corporation (IMC) has worked hard for the maintenance of cleanness and their efforts have led to the way for the cleanest city in the country for three consequent years. During the late months of 2019 the residents of Indore reported a foul smell in some areas of the city specially in evening hours. They claimed that the smell was very intense and unbearable.

Department of Microbiology, Govt. Holkar Science college, Indore had taken initiative to deal with

this problem as their social responsibility. The Head of the department Dr. Sanjay Vyas along with four professors of the department Dr. Shweta Hardia, Dr.Anita Mukati, Dr. Deepti Khare & Asst. Prof. Anuja Sharma and about 16 students of the department have worked and produced the report.

The Practice: Studies had been performed at different levels. At first local survey was done around 20 different sites from where foul smell was reported. This survey was done with the help of questionnaire and the result of the survey showed that local residents of certain areas are continuously facing this problem since last 1.5 months. As per residents, the smell was similar to decomposition or fermentation. The smell usually came in the evening hours around 6-10 pm. Residents also complained health problems like headache, vomiting and eye disorders due to the smell. Residents residing in Devguradia and near by places suspected that the smell might be coming from trenching ground.

Team had done studies on airflow, which showed change in air direction responsible for foul smell in different areas. Studies were done with the help of "wind finder application" and had shown that when the wind direction was toward south-east, the eastern regions of the city were affected while when the direction was towards south-west, the western regions where affected. It was observed that no foul smell was felt when the wind direction was south-north. This indicate that cause of the foul smell may be in southern parts of the city.

In the second level of studies, sampling was done from 06 different of suspected locations. Water and soil samples were collected from Kahn river which was suspected as a possible waste disposing area resulting in foul smell.

Evidence of Success: Different tests were performed with water such as temperature, pH, Alkalinity, BOD, TDS, Chloride, Hydrogen Sulphide and ammonia content. It was analysed that all the samples had not shown any unusual results regarding above parameters. The samples taken from bore well of trenching ground showed very high content of ammonia and fluoride. Microbial analysis suggested normal contamination of sewage water like faecal coliforms and faecal Streptococci. Soil was analysed for physical parameters and microbial contamination and results does not showed any suspects regarding cause of foul smell.

Microbial examination of air flora was done which showed presence of normal contaminants like Bacillus, Streptococci, Aspergillus, Penicillium, Alternaria, Rhizopus, Candida, Micrococcus etc. these studies showed that none of the microbial species was related with the possible reasons for foul smell.

The report helps in concluding that soil and water were not the possible cause for foul odour in affected areas.

Problems Encountered and Resources Required: The team had to travel to different locations to collect survey data from the local population. The sampling kits for soil and water analysis were required to collect samples from most affected areas.

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 and laboratories are required.
- More classrooms should be converted into smart classrooms.
- To introduce CBCS system at UG level. As we have adopted CBCS system at PG level.
- To modernize labs with recent apparatus and establish separate labs for UG and PG for research in each department.
- To construct a fish farm in the Fisheries Department.
- To establish a Bio. Tech. Park in college campus.
- To establish west management and manure unit.
- To establish solar panel plant for green energy.
- To establish separate computer labs and seminar halls in each department.
- To establish server client architecture in computer lab and an internet gallery in the college.
- New skill oriented and academic programmes should be started that would generate employment for the students.
- To organize Remedial classes and classes for competitive examinations.
- To established collaborations and MOU's from institutes of national and international repute and industries.
- To start industrial training for the students. To start online courses and to provide E-content to 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 to promote rich cultural heritage of our country.
- To expand the library with cubical and reading rooms.
- To construct a separate unit for central valuation.
- *New canteen and gym should be established.*
- To construct separate well equipped departments with separate cubicles along with computer and internet facility for the faculties. Separate class rooms for PG classes. 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)
