



महाराष्ट्र शासन

**Govt. Vidarbha Institute of Science and Humanities
Amravati, Maharashtra, India**



**ANNUAL QUALITY ASSURANCE REPORT
AQAR 2013-2014**

Submitted to

National Assessment and Accreditation Council

Bangalore - 560 072, Karnataka, India

By

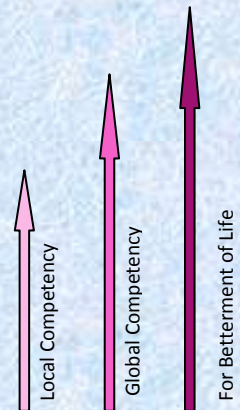
Director

**Govt. Vidarbha Institute of Science and Humanities
Amravati, Maharashtra, India**

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GVISH. Amt

The Annual Quality Assurance Report (AQAR) of the IQAC
Part – A
Period of AQAR 1 July 2013 to 30 June 2014

1. Details of the Institution

1.1 Name of the Institution

Govt. Vidarbha Institute of Science and Humanities,
Amravati

1.2 Address Line 1

V. M. V. Road

Address Line 2

Kathora Naka

City/Town

Amravati

State

Maharashtra

Pin Code

444 604

Institution e-mail address

directorgvishamravati@gmail.com

Contact Nos.

0721-2531706

Name of the Head of the Institution:

Dr. V. H. Singh

Tel. No. with STD Code:

0721-2531706

Mobile:

09405303766

Name of the IQAC Co-ordinator:

Dr.V.S.Sangawar

Mobile:

9860201447

IQAC e-mail address:

directorgvishamravati@gmail.com

1.3 NAAC Track ID

OR

1.4 NAAC Executive Committee No. & Date:

EC/32/004 Dated 03 May 2004

1.5 Website address:

www.gvishamt.org

Web-link of the AQAR:

1.6 Accreditation Details

Sr. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B++	80.25	2004	2009

1.7 Date of Establishment of IQAC :

17/08/2009

1.8 AQAR for the year:

2013-14

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and

Accreditation by NAAC

- i. AQAR of 2009-2010 submitted to NAAC on (24/09/2016)
- ii. AQAR of 2010-2011 submitted to NAAC on (24/09/2016)
- iii. AQAR of 2011-2012 submitted to NAAC on (24/09/2016)
- iv. AQAR of 2012-2013 submitted to NAAC on (24/09/2016)

1.10 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B

Grant-in-aid + Self Financing Totally Self-financing

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify) Home Science

1.12 Name of the Affiliating University (for the Colleges)

Sant Gadge Baba Amravati
University, Amravati

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University	<input type="checkbox"/>		
University with Potential for Excellence	<input type="checkbox"/>	UGC-CPE	<input type="checkbox"/>
DST Star Scheme	<input checked="" type="checkbox"/>	UGC-CE	<input type="checkbox"/>
UGC-Special Assistance Programme	<input type="checkbox"/>	DST-FIST	<input checked="" type="checkbox"/>
UGC-Innovative PG programmes	<input type="checkbox"/>	Any other (Specify)	
UGC-COP Programmes	<input type="checkbox"/>		

2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="7"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="1"/>
2.3 No. of students	<input type="text" value="-"/>
2.4 No. of Management representatives	<input type="text" value="1"/>
2.5 No. of Alumni	<input type="text" value="2"/>
2.6 No. of any other stakeholder and community representatives	<input type="text" value="-"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="1"/>
2.8 No. of other External Experts	<input type="text" value="-"/>
2.9 Total No. of members	<input type="text" value="12"/>
2.10 No. of IQAC meetings held	<input type="text" value="04"/>
2.11 No. of meetings with various stakeholders:	No. <input type="text" value="04"/> Faculty <input type="text" value="02"/>
	Non-Teaching Staff <input type="text" value="01"/> Students <input type="text" value=""/> Alumni <input type="text" value="1"/> Others <input type="text" value=""/>
2.12 Has IQAC received any funding from UGC during the year?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
If yes, mention the amount	<input type="text" value=""/>

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars / Conferences / Workshops/Symposia organized by the IQAC

Total Nos. International National State Institution Level

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

- Performance of the teaching-learning activities is monitored through visits to the Departments.
- Guidance is provided to the teachers for Self Appraisal (Academic Performance Indicators) and promotions through Career Advancement Scheme of UGC.
- Research facility is enriched.
- Attempt to strengthen the Quality of Academics.
- The data and information was collected from all the departments and was compiled.
- Prepared the AQAR report.
- Academic audit of the Institute was conducted.
- Comparison and Assessment of earlier SWOT and present SWOC to identify Strengths and Weaknesses of the Institution.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year

	Plan of Action	Achievements
1	To Reconstitute IQAC committee as per requirement	<ul style="list-style-type: none"> • The IQAC is reconstituted which includes Teachers, Administrative Staff, Technical staff, Stakeholder, Management Representatives, External Experts, Alumni, Student Representatives etc.
2	To prepare AQAR 2013-14	<ul style="list-style-type: none"> • IQAC prepared AQAR for the year 2013-14
3	To update web site	<ul style="list-style-type: none"> • Web site was updated.
4	To organize the conference/ /workshop.	<ul style="list-style-type: none"> • National Workshop was organized by Department of Political Science on 26/09/2013 on topic “Bhartiya Lokshahi Pudhil Awhane” (Challenges Before Indian Democracy). • National Conference sponsored by ICSSR was organized on topic “Managing challenges before Indian foreign policy in 21st century” Parrashtriya Dhornache Vyavestapan from 11th Feb to 12 Feb 2014 . • National level Workshop on “Human Rights” was organized by Department of Political Science on 11/12/2013. • Regional Level Workshop on “Be Beautiful, Beauty Class” was organized on 10/01/2014, by Home Science Department sponsored by Hindustan Lever. • Skill Development programme for 12 days from 10th Jan

		<p>2014 to 21st Jan 2014 was organized by Home Science Department.</p> <ul style="list-style-type: none"> • Dr. B. R. Ambedkar Memorial Lecture was organized by Department of Political Science on 02/09/2013
5	To organize Workshop/seminars for students	<ul style="list-style-type: none"> • State level Seminar competition was organized by Botany Department for PG students in order to upgrade students technically, to increase their confidence and communication skill on 6/3/2014 • Department of Mathematics and Department of Marathi organized regional level NET/ SET preparation workshop for students. • Intercollege Posters presentation competition was organized by most of the Departments. • Weekly 2 Hours NET/SET coaching was organized by Department of Philosophy from 21-27 Dec 2013. • Weekly conference on complicated topics of syllabus was organized by most of the Department. • A workshop on use of Natural colours for making greeting cards and posters was organized by Dept. of Home Science Department 26 Jan 2014 • Department of Chemistry Organizes Social Awareness Programme on Water and Soil Analysis, Food Adulteration. • Department of Statistics organized workshop for the students failed in Examination between 13-14 Feb 2014 • Mathematical Model Exhibition with Theme was "Mathematics in day to day life", was inaugurated by Dr T M Karade, former Vice Chancellor of Indiana University, Raipur. • Department of Botany organized Inter University Best Seminar competition on 6/03/2014 in collaboration with Indian Science Congress on the theme Sustainable Development.
6	To organize Guest Lectures in order to orient the subject.	<ul style="list-style-type: none"> • Most of the Departments arranged Guest lectures of eminent persons from all over India so that students can get a chance of learning from professors outside the institute as well as to motivate them for research.
7	To celebrate "Science Day" "Marathi Day" "Urdu Day", "Sanskrit Day", "NSS Day", "NCC Day" "Human Right Day", "Constitution Day".	<ul style="list-style-type: none"> • Various Programmes were arranged on 28-2-2014 on occasion of Science day in respective departments e.g. Poster presentation, Model exhibition, Scientific Rangoli, Kavya Vachan, Shramadan, campus cleaning etc • "Marathi Day" "Urdu Day", "Sanskrit Day", "NSS Day", "NCC Day" "Human Right Day", Constitution Day etc were Celebrated in the institute.
8	To organize excursion/Study tour or industrial visit for UG and PG students.	<ul style="list-style-type: none"> • Students of UG and PG classes of various departments arranged excursion/ study tours in which they visited research centre industrial area etc <p>By this activity students learnt event management, developed leadership in them, actually seen working in the industry and get inspired for entrepreneurship.</p>
9	To conduct academic extension activities.	<p>Many departments of the institute are regularly involved in extension activities e.g.</p> <ul style="list-style-type: none"> • Student of Political science department represented SGBAU in the parliamentary study class organized by Maharashtra

		<p>Vidhan Mandal Sachivalaya , Vidhan Bhanvan Nagpur under common wealth parliamentary association Magharashtra branch</p> <ul style="list-style-type: none"> • Home science department in collaboration with BAIF, organize a tour • National awareness programme was organized by Home science department, in collaboration with BIAF, on the theme Kitchen Garden for Biodiversity Conservation on 12/02/2014
10	To promote teachers to publish/ present the research papers	<ul style="list-style-type: none"> • Research is the big asset of this institute • 53 faculties of this institute are Ph. D. supervisors in SGBAU. • Ninety four (94) students are working for their Ph. D. in this institute. • 27 students of this institute have been awarded Ph. D. this year. • One hundred forty three (143) Research papers have been published by the faculty members in peer reviewed international journals, 38 in non peer reviewed and 21 in conference proceedings • Fifty nine (59) research papers were presented in International, National and Regional conferences. 106 faculties attended various National and International conferences • 36 faculty members of the institute worked as resource/Chair person and experts. • 03 faculties of chemistry and 01 faculty of Physics department presented research paper in international conference abroad (Busan, South Korea).
11	Encouraging staff to send the minor/ major research projects.	<ul style="list-style-type: none"> • It is a thing of pride that 03 Major research projects are ongoing 01 is completed and 01 is sanctioned whereas 08 Minor research projects are completed and 08 Minor research projects are ongoing , 01 is sanctioned and 1 is submitted.
12	To arrange programs about students health	<ul style="list-style-type: none"> • NSS Unit of the institution organized Guest lecture on Awareness of Rubela and Health by Dr. Mrs. Mohana Kulkarni on 01/10/2013 • Free Rubela Vaccination programme was conducted on 10/10/2013 and 651 girls were benefited by this programme • Home science department organized Nutrition Awareness Programme during National Nutrition Week from 01 to 07th Sep 2013 for students, Staff member and House wives
13	To arrange programs about the health of staff members also	<p>Today's life is full of Stress and Strains which causes Heart problems. The institute took initiative to aware the staff about the situations by organizing the following programmes.</p> <ul style="list-style-type: none"> • Guest Lecture on "Problem of Heart Disease and solution" was organized on 03/02/2014. • Free Heart check-up camp was organized by Women cell, NSS, NCC unit and sports Department in collaboration with "Madhav Bagh" Pune, on 03/02/2014
14	For environmental awareness	<ul style="list-style-type: none"> • Three days programme on Plastic and <i>Parthenium</i> Eradication and Safety and Cleanliness of Campus was organized between 3/10/13 to 6/10/13 through Shramdan by

		<p>NSS and NCC Unit.</p> <ul style="list-style-type: none"> • Students' Council appealed all the students to avoid the use of automobile vehicles at least once a week by observing the "GREEN THURSDAY" every week. • Home science department run the drive "No Plastic" throughout the year send the collected plastic bags etc to Badnera for incineration. • Department of Botany organizes cleanliness programme on eve of Gandhi Jayanti • Department of Zoology celebrated wildlife week and aware students regarding wild life conservation by organizing a guest lecture of Mr. Kishoir Rithe , President of Satpuda Foundation. Also a Guppy fish release programme was organized
15	Program for Social awareness and social responsibilities	<ul style="list-style-type: none"> • Blood Donation camp was organized by NSS unit on 06/12/2013. In this camp 59 blood donors were donated their blood • Department of Zoology organized Blood group detection programme.
16	Organisation of Social Gathering	<ul style="list-style-type: none"> • Annual social gathering of the Institute organized by the students council. This activity gives a chance to develop leadership, cultural skills in the students
17	To encourage students to participate in various activities and competitions conducted by different organizations or by university	<ul style="list-style-type: none"> • Four (4) students got colour coat in Cultural Activities by SGBAU • Students took part in Universities "Yuva Mahotsav", university level competition of all cultural events, "Sakal Karandak", one act play competition, Elocution competition etc and students bag awards also. • Students of Mathematics department participated in University level Seminar Competition for UG students, at Mungasaji Maharaj Science College, Darva, Ku Roshani Vishwa Karma wined the first prize. For PG level department of Mathematics, SGBAU, Amravati organized Intercollegiate seminar competition and Ku Laxmi Saraiya and Shri Jitendra Singh Maan bagged first prize in the Inter collegiate seminar competition. • In national level symposium SFILAT organized by JD Institute Engg. Tech. Yavatmal on date 1/03/2014 students of Home Science Department secured first position. • In UGC sponsored national seminar organized by RDG College, Akola on date 20/09/2014 students of Home Science Department participated and secured first position.
18	To organize various programmes through Women Cell	<ul style="list-style-type: none"> • "Guidance for Competitive Examinations" the lecture delivered by Dr.Sangita Yawale, Director Pre-Indian Administrative Services Training Institute, Nagpur and Dr. S.K. Devalankar on 22 Oct 2013. • A solo play was organized in jointly with Amravati Mahanagarpalika Bal Kalyan Samiti. Dr Mira Aalashi presented the play "Mi Savitri Jotibachi". Students enjoyed that. • On occasion of International Women Day, the members of the cell visited Gadge Baba Vrudhhashram. After chatting with the residence of that vrudhhashram delicious refreshment was shared with them. This helps to reduce their

		worries and sorrow.
19	To organize various programmes through NSS	<ul style="list-style-type: none"> • Special Residential camp was organized by our NSS Unit at the village Saur Tq Bhatukuli Dist Amravati during 02/01/2014 to 09/01/2014 and 100 NSS volunteers participated in this camp • NSS group participated in Social unity week and gave message of unity • On occasion of NSS day , Cultural programme was organized on 24th Sept 2013 • Health awareness programme (Nutritional week) was organized by Home Science Department on 1/10/2013 • Cleanliness programme was organized on the occasion of Mahatma Gandhi Jayanti • Earn and learn scheme was implemented • Blood donation camp was organized on 06/12/2013 • 04 students were selected for State level Adventures Camp
20	To encourage NCC activities	<ul style="list-style-type: none"> • 10 students selected for Basic Leadership Camp (BLC) and 02 students got gold medal in BLC • 01 student selected for Avhan-2013 • 01 student got gold medal in national games Delhi 2013 • 05 students participated in NIC • 04 students participated in BIC • 05 students selected in IBC • 02 students for army attachment • NCC group honored to Education Minister of Maharashtra state • NCC group participated in Social unity week and gave message of unity • NCC group organized NCC day on 13th Dec 2013
21	National Integration Day	<ul style="list-style-type: none"> • Create a map of India with help of human chain on 30/08/2013 In this event more than 2000 students with staff were participated
22	To encourage Sports Activities and participations	<ul style="list-style-type: none"> • 19 students received colour coat by the university • Students participated in National and international level sports and cultural events. • Institute organizes various tournaments like Cricket Mens, Softball, Base Ball etc
23	To provide special guidance for meritorious students	<ul style="list-style-type: none"> • 37 PG students stood in University merit list in Sant Gadge Baba Amravati university examination from various subjects. (Annexure I) • 39 students are qualified in the NET/SET/GATE examinations. (Annexure II)
24	To appreciate the work for better outcome	<ul style="list-style-type: none"> • Awards were given to the staff members, teaching and non-teaching both to appreciate their work.
25	To motivate the faculty for their knowledge contribution through print media.	<ul style="list-style-type: none"> • Fifteen books published with ISBN. • 04 books contained some chapters written by the staff members of this institute.
26	To organise Career Counselling program	<ul style="list-style-type: none"> • Placement cell is active and provides Career guidance and organized Placement Drive/Events for UG and PG students
27	To organize Programs under ICT	<ul style="list-style-type: none"> • Student's computer centre was established in library for all students.

		<ul style="list-style-type: none"> • Non-teaching staff using & implementing ICT culture in routine work. • Safe use of social media websites and online financial transactions.
28	Collecting Feedback and analysis	<ul style="list-style-type: none"> • Vigilance committee monitors teaching and Feedback is collected through questionnaire. This helped for enhancing the teaching quality of programmes.
29	Celebration of National Days and Jayanti and Punyatithis of National heroes	<ul style="list-style-type: none"> • In order to inspire the students various programs were arranged on these days
30	To be aware of our environmental status	<ul style="list-style-type: none"> • Green Audit of the campus was conducted. • Environment awareness articles regarding Matiche Ganesh idol by Head, Home Science Department in collaboration with WECS • Two days Botanical excursion programme was organized by botany department on 24 and 25th Sept 2013
31	To improve infrastructure facilities as per need	<ul style="list-style-type: none"> • Renovation of placement cell, Botany, Zoology, Library, Music and statistics Departments
32	To take steps for increasing linkage and collaborations	<ul style="list-style-type: none"> • Three collaborations and one linkage were formed in this academic year.
33	To increase the percentage of Net / SET qualified students	<ul style="list-style-type: none"> • Through constant guidance the result is this year 36 students passed the NET/ SET/GATE competitive exams.
34	To publish college magazine	<ul style="list-style-type: none"> • College Magazine Vidarbha Vani was published in order to promote student's writing skills.
35	To apply new Appraisal system recommended by UGC regulations, June, 2009	<ul style="list-style-type: none"> • IQAC has supported and guided the teachers with regard to new marking system of three categories of API
36	To felicitate the faculty and students on their best performance through institute level awards.	<ul style="list-style-type: none"> • Institute has "Fule Ambedkar Research Award" for the staff and the committee is there to analyze the applications and nominate the awardees. • All meritorious students and students with awards in various sports, cultural activities, NSS, NCC are felicitated in Annual Gathering.
37	To expand the Consultancy Services	<ul style="list-style-type: none"> • Department of Psychology has this service.
38	To develop Library facility	<ul style="list-style-type: none"> • This year 1679 new books of various subjects were added to the stock, in which some are text books and some are reference books • This year in Library 43 Research Journals, 56 Magazines, 20 News papers were added
39	Encouraging for Innovative and Best practices	<ul style="list-style-type: none"> • Staff club of the institute is formed which organizes activities for relaxation of staff. It also felicitates staff member for their extra achievements. • Home science department worked on Natural Dye instead of chemical dye and try to popularize the idea for which they arranged Natural Dye coloured painting exhibitions etc • Skill development program on Arhi work, Aplique work, Chickankari and Sari blouse exhibition was organized by Home science department and on
40	To rethink about SWOC of	<ul style="list-style-type: none"> • An exercise to revisit SWOC of department(s) and overall

	the institute	College has been carried out, which helped us in identifying our Strengths and Weaknesses.
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2.16 Whether the AQAR was placed in statutory body Yes No
Management Syndicate Any other body

Provide the details of the action taken

- | |
|--|
| <ul style="list-style-type: none">• The AQAR was placed before the Local Advisory Committee. After review the suggestions were incorporated. |
|--|

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	21	Nil	Nil	Nil
PG	19	Nil	05	Nil
UG	03	Nil	Nil	Nil
PG Diploma	Nil	Nil	Nil	Nil
Advanced Diploma	Nil	Nil	Nil	Nil
Diploma	Nil	Nil	Nil	Nil
Certificate	05	Nil	05	Nil
Others M. Phil.	13	Nil	13	Nil
Total	61	Nil	23	Nil
Interdisciplinary	Nil	Nil	Nil	Nil
Innovative	Nil	Nil	Nil	Nil

1.2 (i) Flexibility of the Curriculum:

- B Sc students can opt different groups as below
Chemistry, Botany, Zoology (CBZ),
Physics, Electronics, Computer science (PECS),
Physics, Chemistry, Mathematics (PCM),
Physics, Mathematics, Electronics (PME),
Statistics, Mathematics, Computer science (SMCS),
Physics, Mathematics, Computer science (PMCS),
Statistics, Electronics, Computer science (SECS) and
Physics, Chemistry, Computer science (PCCS).
- B. A. students can opt any three out of the following options:
Political science / Music
Economics / Persian / Philosophy
Geography / Psychology
Marathi literature / Hindi lit. /English lit.
History /Sanskrit Literature
Home economics/ Urdu literature
- B.Sc. Home Science programme also has electives
- PG Program (M..Sc.) offers following options for Specializations
M.Sc. Maths : Advanced Descript Mathematics/ Differential Geometry, Fluid Dynamics/
Operation Research
M.Sc. Physics : Electronics , Condensed Matter

M.Sc. Chemistry : Organic Chemistry, Physical Chemistry and Inorganic Chemistry
 M.Sc. Botany : Molecular Biology, Biotechnology, Plant Breeding/Advanced plant physiology and Biochemistry/Angiosperm Taxonomy, Phytochemistry and Pharmacognosy
 M.Sc. Zoology : Molecular Biology/Physiology
 M.Sc. Statistics : Bioassay, Econometrics/Clinical Trials, Actuarial statistics

- PG Program (M.A.) offers following options for Specializations
 MA Geography : Population Geography/Agricultural Geography
 MA Economics : Economic Methods-I, History of Economic thoughts, Agricultural Economics / Demography, Indian Economic policy, Business Cycle
 MA Philosophy : Philosophical Problem, Advanced symbolic logic / Ayer, Wittgenstein

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	09
Trimester	Nil
Annual	26

1.3 Feedback from stakeholders* Alumni Parents Employers Students

Mode of feedback : Online Manual Co-operating schools (for PEI)

(Annexure III)

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Any revision/update of regulation or syllabi is done by the academic and statutory bodies of the university. Many faculty members of the institute are the office bearers of those bodies. They play vital role in these processes.

1.5 Any new Department/Centre introduced during the year.
 If yes, give details.

Nil

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total Sanctioned	Asst. Professors Sanctioned	Associate Professors Sanctioned	Professors Sanctioned	Others
	160	110	31	14	05 (Director/Lib/Ph.Ed.)

2.2 No. of permanent faculty with Ph.D.

67

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
74	36	13	18	2	12	3	2	92	68

2.4 No. of Guest and Visiting faculty and Temporary faculty

Zero

Zero

191

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	18	70	18
Presented papers	14	37	08
Resource Persons	00	14	05

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- Laptop and LCD provided in each department to support ICT
- Use of Audio visual equipments to teach, Group discussion, Surprise test
- Classroom presentations made available online for students to use at any time
- Blending of Conventional and ICT based teaching methods for Theory as well as Practical's.
- Online Lectures through projector
- Multimedia presentation shared through e-media for the students.
- Projects and field survey
- Student-centered teaching strategies were introduced
- E –book, poster presentation, Quiz competition, case study etc was adopted which help teaching learning process
- Expert/ Guest Speakers were invited to discuss topics related to course of study

2.7 Total No. of actual teaching days

189

during this academic year (**Annexure IV**)

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

- Open book examination in unit test (Institute level)
- Multiple Choice based Questions for Internal Assessment Examinations.
- For PG and UG Programmes: Open Book Test, Seminars, Tutorials, Group Discussions, Group Assignments, Projects, Debates etc.,
- MCQ, Aptitude Test

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

01 (Curriculum)

07 (Faculty)

24 (BOS)

2.10 Average percentage of attendance of students

83.49

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction	I %	II %	III %	Pass %
B.Sc.	110	11.76	61.76	26.47	0	61.82
B.A.	140	2.33	34.88	62.79	0	30.71
M Sc Physics	27	0	50	50	0	44.4
M Sc Chemistry	30	7	35	56.7	0	86.6
M Sc Botany	22	13.63	63.63	13.63	9.09	100
M Sc Zoology	24	27.7	72.3	0	0	75
M Sc Maths	98	18.91	56.75	18.91	5.40	37.76
M Sc Statistics	19	73	27	-	-	95
B.Sc. Home Sc.	04	50	50	0	0	100
M.Sc. Home Sc.	12	0	100	0	0	91.6
M.A. History	60	0	20	42.5	37.5	66.6
M.A. Geography	20	0	0	85	15	100
M.A. Economics	45	0	17.39	56.52	26.09	51
M.A. Philosophy	3	0	0	66.6	33.3	100
M.A. Poli. Sc.	71	00	5.55	27.77	66.6	25.35
M.A. Psychology	14	0	79	21	0	100
M.A. Music	17	0	50	42	7.1	82
M.A. English	37	0	0	50	50	10.81
M.A. Marathi	74	0	0	45.6	54.3	62.16
M.A. Sanskrit	10	12.5	37.5	37.5	12.5	80
M.A. Hindi	12	-	-	-	-	58.33
M.A. Urdu	30	6.6	10	66.6	10	93.33

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

- Formed vigilance committee
- Compare the progress of students by unit test's result
- By suggesting the conduct of remedial programmes
- Academic Audit of Every Teacher for both semesters and for all programmes conducted in the Institution.
- Feedback on Teaching for all programmes- Analysis of each department and communicating it to the respective teacher/ department for improvement.
- Yearly Evaluation of Teaching activities, Extension Activities and Research through Self Appraisal- Academic Performance Indicators. (API)
- Enhancement of Learning Infrastructure in the form of ICT support, Equipments etc.,
- Support in initializing/ establishing quality initiatives (Guest lectures/ Conferences/Seminars/ Workshops/ ISR) for Teachers and Students in the Institute

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	05
UGC – Faculty Improvement Programme	01
HRD programmes	25 At YASHDA Pune
Orientation programmes	04
Faculty exchange programme	--
Staff training conducted by the university	--
Staff training conducted by other institutions	
Summer / Winter schools, Workshops, etc.	01
Others	--

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Positions	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	Class III-17 ClassIV-26	12 24	05 02	00 00	-
Technical Staff	ClassIII-14 ClassIV-44	06 44	08 00	00 00	-

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- The Institute is recognized as a research centre by Sant Gadge Baba Amravati University
- Research is a significant activity of the college. During this academic year 18 research scholars have obtained their Ph. D. from the research centers of our Institution. In order to promote quality research, we published two research journals and two by staff
- Research Advisory Committee of the institute try to promote research activities
- Scholarships were given to the Research scholars
- Books are made available to the researchers
- Internet and NET log facilities are made available
- Sufficient opportunities are given to the staff to attend the conferences etc
- Faculties are encouraged to apply for Minor and Major research projects
- Research award namely “Phule-Ambedkar Research Award” is sponsored by the institute
- Faculties are given good recognition for guiding research (Felicitated on 15th Aug every year)
- Seminars, conferences and workshops are organized for developing research culture in the campus
- Institute is sponsored for research in UGC, DAE, DBT, CSIR, DST etc
- Research facilities are enhanced through research projects
- Evaluation of research proposals before submission to the funding agency.
- Merit students and Ph. D. awarded students are felicitated every year.
- Regular Interaction with Teachers/ Researchers for sensitizing them about research schemes, revised guidelines/ directives of funding agencies.
- All types of administrative support for the teacher/ researcher.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	01	03	01	-
Outlay in Rs. Lakhs	4.80	25.86	10.82	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	08	08	01	01
Outlay in Rs. Lakhs	3.40	9.30	1.35	--

3.4 Details on research publications

	International	National	Others
Peer Review Journals	136	07	
Non-Peer Review Journals	05	20	13
e-Journals	01	-	-
Conference proceedings	01	20	-

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organizations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned(Lakhs)	Received (Lakhs)
Major projects	3 yrs	UGC/DBT	36.68	31.11
Minor Projects	2 yrs	UGC	10.65	10.53
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College				
Students research projects <i>(other than compulsory by the University)</i>				
Any other(Specify)	-	BAIF	0.12	0.12
Total	-		47.45	41.76

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For colleges

Autonomy CPE DBT Star Scheme
INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	-	01	-	-	-
Sponsoring agencies	-	ICSSR	-	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons: **36**

3.13 No. of collaborations: 03 International (01) National (02) Any other

3.14 No. of linkages created during this year (For 3.13 and 3.14 Annexure V)

3.15 Total budget for research for current year in Rs.(Lacs):

From Funding agency From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	0
	Granted	0
International	Applied	0
	Granted	0
Commercialized	Applied	0
	Granted	0

3.17 No. of research awards/ recognitions received by faculty and research fellows Of the institute in the year

Total	International	National	State	University	Dist	College
08	00	03	02	-	-	03

3.18 No. of faculty from the Institution who are Ph. D. Guides

and students registered under them

3.19 No. of Ph.D. awarded by faculty from the Institution

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level

National level International level

3.22 No. of students participated in NCC events:

University level	60	State level	08
National level	02	International level	-

3.23 No. of Awards won in NSS:

University level	-	State level	01
National level	-	International level	

3.24 No. of Awards won in NCC:

University level	02	State level	-
National level	01	International level	-

3.25 No. of Extension activities organized University forum College forum

NCC	05	NSS	13	Any other	
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3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- Home Science Department organized “**Rakhi Making Workshop**”, and sale of the products made. The staff members and the nearby society members took the benefit of new designs at reasonable price.
- Students of various departments participated in University level Seminar Competition for UG/PG students
- The Street Play was organized for social awareness
- Rallies were organized for social awareness
- Awareness programmes on e-waste and plastic and *Parthenium* eradication
- I.Q. Testing of students of Holy Peace English medium Primary School.
I.Q. Testing is an important tool for the Psychologist to guide the young students. On the basis of the I.Q. are given added facilities of learning material to keep them interested in studies . Children with low I.Q. are given special remedial coaching so as to bring them in the mainstream and progress
- Department of Physical Education organized Summer Soft Ball Coaching Camp for our as well as outside students in May – 13
- Cleanliness drive and tree plantation programme, Nature Camp, Educational Tour For PG students
- Industrial Tour for UG students, Science Awareness Programme through Science exhibitions , Poster presentation, Cleanliness drive on every Sunday, Blood Donation Camp by NSS were organized.
- Environment awareness was propagated through poster presentation
- Ozone Day was celebrated on 16 Sept. 2013
- Marathi Language Day was Celebrated on 27th February 2014
- Rubela vaccination programme was organized on 10/10/2013.
- Nutrition week was organized by home Science Department
- Interclass Quiz Competition was organized.
- Guest Lecture Series for PG students was organized.
- Inter-college Quiz Competition for B.Sc. I students was organized in collaboration with AUCTA.

Criterion – IV**4. Infrastructure and Learning Resources**

4.1 Details of increase in infrastructure facilities:

Facilities		Existing	Newly created	Source of Fund	Total
Campus area		168 Acres	--	---	---
Class rooms		68	--	Government	68
Laboratories		48	--	Government	48
Seminar Halls		05	-	Government	05
Examination Office		01	-	Government	01
Museum		01	-	Government	02
Animal House		01	-	Government	01
NCC Office		01	-	Government	01
NSS Office		01	-	Government	01
Placement Cell		01	-	Government	01
Record Room		01	-	Government	01
Ramp for Physically Challenged Persons		02	-	Government	02
Women's Cell		01	-	Government	01
Library Building		01	-	Government	01
Sr. No.	Available Facilities in Library Building				
1	Stack Rooms	02	--	Government	02
2	Reading Halls	03	--	Government	03
3	Research Cubicles	08	--	Government	08
4	UGC-NRC	01	-	UGC	01
5	Catalogue Room	01		Government	01
6	Wash Rooms	04	-	Government	04
7	Binding Section	01	--	Government	01
8	Back Periodical Section	01	--	Government	01
9	Write off Section	01	--	Government	01
10	Old News Papers Section	01	-	Government	01
Auditorium		02	-	Government	02
Hostels (Boys:2 and Girls 2)		04	-	Government	04
Directors Residence		01	-	Government	01
Class2 Residence,		02	-	Government	01
Faculty Quarters		17	-	Government	17
Class 3 Staff Quarters		08	-	Government	08
Class 4 Staff Quarters		40	-	Government	40
Dispensary		01	-	Government	01
Directors Cabin		01	-	Government	01
Registrars Cabin		01	-	Government	01
Gardens		05	-	Government	01
Wells		05	-	Government	05
Water Tank		01	-	Government	01
College Canteen		01	-	Government	01
Play Grounds		11	-	Government	11
Cycle Stand		01	-	Government	01
Pavilion		01	-	Government	01

Gymkhana	01	-	Government	01
Yoga Bhavan	01	-	Government	01
Common Rooms(Girls & Boys)	02	-	Government	02
Wash Rooms (Ladies)	22	-	Government	22
Wash Rooms (Gents)	20			20
Firing Range	01			01
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	-	06	DPDC	06
Value of the equipment purchased during the year (Rs. in Lakhs)	-	11.09 Lakh	DPDC	06
Others				
Post Office	01		-	01
Joint Directors Office	01		-	01
Pre-IAS Training Institute	01		-	01
State Board of Text-Book Building	01		-	01
Police Station	01		-	01
Water Supply Office	01		-	01
NCC Maharashtra-08 Battalion Office	01		-	01

4.2 Computerization of administration and library:

The office and departmental administration is fully computerized along with internet facility. The library has NLIST, DELNET and an Internet Center for the use of students and researchers the entire data keeping is computerized

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	93539	9543439	1015	253062	94554	9796501
Reference Books	24737	2503702	664	146520	26148	2672409
e-Books	N_LIST	5000 subscripti on			e-journals 55000 e-Books 75000	5000
Journals	43	35400	-	-	43	35400
Magazines	41	24593	15	24114	56	48707
DELNET	All subject 130 lakh record of books and periodicals articles, dissertation accessible worldwide	11500 subscripti on one year	-	-	All subject 130 lakh record of books and periodical s articles, dissertatio n accessible worldwide	11500
CD & Video	61	Free	15	Free	76	
News Paper	20	30938			20	30938

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centers	Computer Centers	Office	Departments	Others
Existing	203	09	Yes	08	01	13	23	-
Added	00	00	-	02	-	00	00	03
Total	203	09		10	01	13	23	03

4.5 Computer, Internet access, training to teachers and students and any other programme for technology up gradation (Networking, e-Governance etc.)

<ul style="list-style-type: none"> ➤ Every Department has been provided with computers and internet system. ➤ Expansion of e-technology has enhanced the use of computers in curriculum development, teaching-learning, evaluation and research and LCD/LED facility to all departments ➤ Trying to make the whole administration as e-governance, all teachers are MSCIT qualified and can handle technological instruments very well. ➤ Students are encouraged to make use of computers for Power Point Presentations of their seminars and projects. Various softwares for data analysis like SPSS software etc are also available ➤ Broadband internet connectivity is given to all the departments. Internet browsing is available for teachers and students at the Internet Centre free of cost during the working hours of the library.
--

4.6 Amount spent on maintenance in Rs (Lakhs):

i) ICT	0.106
ii) Campus Infrastructure and facilities	22.60
iii) Equipments	0.24
iv) Others – CCTV, telephone etc.	04
Total :	26.94

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Internal Quality Assurance Cell (IQAC) organized student feedback of teachers.
- IQAC helped the Student Service Centre to establish Reception counter for providing information to visitors and students.
- Xerox and Phone facility is made available in campus.
- Employee Credit Cooperative Society
- Financial assistance extended to economically weaker students and personal counseling given by Counselors and Teachers minimize the dropout rate in the college.
- Mock Interviews were conducted at the departmental level.
- The institution publishes its updated prospectus annually. The information is disseminated among the students at the beginning of every academic year.
- The IQAC Co-coordinator explains the salient aspects of the Choice Based Credit System.
- The Director and the Co-coordinators of extension services organized/explain the benefits of performing extension activities.
- The Heads of Department explain the course material and question pattern.
- Institute website is updated regularly
- Information is published through Notice Board.
- E- Communication of students related activities.

5.2 Efforts made by the institution for tracking the progression

- Regularly unit test reports are submitted in each semester and committee analyses it.
- Placement Cell conducts training programmes for students and arranges job fair in collaboration with employers.
- The Old Vidarbhan, and Alumni Association maintains consistent correspondence with alumni.
- Faculty members guides students for personality development.
- Every department maintains a register for recording the progress of students.
- Remedial coaching, extra classes, guest lectures, internal unit tests and assignment were conducted.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others/ M.Phil	Total
1523	1650	94	25	3173

(b) No. of students outside the state

03

(c) No. of international students

Nil

Men	No	%	Women	No	%
	1363	46		1594	54

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
518	556	119	1335	4	2532	844	654	163	1291	5	2957

Demand ratio 1:4.2

Dropout 5.03 %

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- Lecture by renowned personalities were organized on personality development and career guidance
- Under UGC scheme, Career Counseling Cell has been established.
- Regular classes for guiding students to prepare for different competitive exams are organized.
- Logical reasoning, aptitude and general studies classes were conducted for improving mental ability of the students.
- Students are guided to appear in number of exams leading to secure their jobs.
 - (a) Special Coaching for Competitive Examinations
 - (b) Interaction with Experts and Academicians in the field their specialization
 - (c) Special support and Coaching for UGC-CSIR-NET, SLET study material provided through the institute.

No. of students beneficiaries

254

5.5 No. of students qualified in these examinations

NET	18	SET/SLET	19	GATE	02	CAT	
IAS/IPS etc		State PSC		UPSC		Others	

5.6 Details of student counseling and career guidance:

- Psychology Department runs Counseling Centre for students.
- Institute conducts formal counseling sessions for students (Personal and Career-Aptitude and Intelligence testing)
- Organized Guest Lectures and Seminars for career counseling.
- The Placement Cell is continuing its activities to guide the students towards meaningful jobs as the logical corollary to their educational pursuits.
- B. Sc. III and M. Sc. II year students were motivated to participate in campus interviews of other colleges.
- Career Guidance and Placement Cell of our institute has taken the efforts to develop and acquiring additional skills of the students.
- Students of the institute attended the interviews of three companies (Organized by Vidya Bharati Mahavidyalaya, Amravati). Wipro Pvt. Ltd. Interviewed 20 students of this institute on 16-2-2014 out of which 03 were selected. Syntel Pvt. Ltd. Interviewed 15 students of this institute on 17-2-2014 out of which 03 were selected and Infosys interviewed 10 students out of which 01 were selected.

No. of students benefitted

Almost all students

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>	
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed	
03	45	07	68 students are placed in private colleges	

5.8 Details of gender sensitization programs

- Women cell of the institute organized Gender Sensitization programme for girl
- Guest lecture was arranged on Rubela Awareness and Health by Dr. Mohana Kulkarni on 01 Jan 2014.
- Free Rubela Vaccination Program was conducted on 10/10/2013 and 651 girls benefitted by this program
- The special invitee Dr. Mohana Kulkarni, gave suggestions and tips on women's health.
- International Women's Day was celebrated on 8th March 2014.
- Various Departments organized weekly discussions, film screenings, awareness campaigns, conducting surveys, poster exhibition and street plays to spread the message of gender equality.
- Home Science department organized premarital counseling program for girls students

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount in Rs
SC	340	845185/-
OBC	622	1531990/-
VJ/NT	122	280430/-
SBC	30	71055/-
ST	75	460263/-
PH-HANDICAP	05	6640/-
ST Freeship	Nil	Nil
SC Freeship	20	49110/-
OBC Freeship	65	153104/-
VJ/NT Freeship	05	15365/-
SBC Freeship	Nil	Nil
EKLAVYA	Nil	Nil
MINORITY	96	440350/-
GOVT.RESEARCH FELLOSHIP	Nil	Nil
STATE GOVT.OPEN MERIT	03	3000/-
EX-SERVICEMAN	Nil	Nil
PTC/STC	15	4807/-
EBC	181	158000/-
TOTAL	1578	4019299
Financial support from other sources: Vidarbha Shikshan Sahayyak Mandal, Amravati scholarships every year,	15	12400
Old Vidarbhan Alumini Association sponsors prizes every year	28	19325
Number of students who received International/ National recognitions , National Institute of Sanskrit	08	37000
Veer Uttamrao Mohite Scholarship	01	2800
Total	1630	40, 90,824

5.11 Student organized / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

11

Social activities undertaken by the NSS group of the institute in the camp at Saur Tq. Bhatkuli Dist. Amravati are,

1. Gabian Bunt (Bandhara)
 2. Demonstration of Kitchen Garden and it's conservation
 3. Rubella Vaccination for rural girls
 4. Village Cleanliness Programme
 5. Blood Group & Haemoglobin Check up
 6. Plastic Eradication
- Other than this in the institute NSS, NCC and Sports organized Guest Lecture on "Awareness of RUBELA and Health" By Dr. Mohana Kulkarni on 1st Oct. 2013
 - Free RUBELA Vaccination Programme' was conducted on 10th Oct. 2010 (In this programme 651 girls of various department of this institute took the benefit of free vaccination.)
 - Blood Donation Camp was organised with collaboration of HDFC Bank Amravati on 6th Dec. 2013 (59 Blood Donors were donated their Blood in this camp)
 - Women cell members along with the students visited "Sant Gadge Baba Vriddhasram, Valgaon" on occasion of Women's day on 11 Mar 2014
 - Blood group and haemoglobin detection of the villagers in NSS camp was done by Zoology department

5.13 Major grievances of students (if any) redressed:

- Internal Marks grievance of Mr. A.N.Gujar, who was admitted late, was redressed. On his request the internal examination for him was conducted on 21/12/2013, after the regular schedule for internal exam was over.
- Ms. Megha Atram of M.Sc. Part II Physics was suffering from heart disease. On her request the internal examination for her was conducted on 21/12/2013, after the laps of one complete academic year.

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

VISION:

To foster and inculcate Local and Global competencies among the students through value based inclusive learning; provide education for living life, to promote public welfare, instill love and respect for our constitutional values.

MISSION:

- To Generate, maintain and disseminate value-based knowledge
- To empower the students to meet the emerging global competitive challenges
- To encourage and support research activities amongst student and faculties
- To produce excellent academic merit through learner centered education
- To create social and environmental awareness among the students

6.2 Does the Institution has a management Information System

Yes, The institute has management information system (MIS).

Administrative procedures includes:

1. Finance
2. Student admission
3. Student records
4. Evaluation and examination procedures
5. Research
6. Administration

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

- The institution focuses on multi skill development of students in order to ensure employability.
- Curriculum under CBCS enables the Placement Cell to conduct programmes throughout the year so as to help students acquire the necessary soft skills for employment.
- The Choice Based Credit System followed at present in the institution facilitates horizontal movement, enabling students to make their choices.
- All the Skill Based Elective courses are available to students irrespective of their major subjects. This facility enables students to choose the courses of their interest and for future development
- Active participation of Teachers in framing of new curricula for various undergraduate and post graduate programmes.

6.3.2 Teaching and Learning

- Apart from classroom interaction, the following methods are used.
- Meaningful learning is initiated through group discussion, seminars, debates, quiz, viva, etc.
- Inquiry-based learning is provided through community survey, opinion polls, case study, industrial visit and fieldwork.
- Multimedia/ ICT mode of Teaching, Simulations and animations
- Special coaching to academically poor students
- To promote practical based learning seminars are conducted for the students.
- Advance learners are given assignment of designing and developing new experiments based on theory.
- Case study conducted by PG Students of Psychology dept.
- IQAC monitors and ensures the achievement of learning outcomes.

6.3.3 Examination and Evaluation

- Semester system with Continuous Internal Assessment (CIA) is followed.
- Heads of Department monitor the performance of the students by making an analysis after every internal test and external examination.
- Internal Examination comprises MCQ type questions as well as descriptive questions.
- More focus on group discussions, classroom seminars, assignments and use of the software for statistical analysis as evaluation method for post graduate programmes.
- Thesis evaluation and research paper review work was also carried out by most of the faculty members.

6.3.4 Research and Development

- Administrative support for teachers who has undertaken research projects.
- Organized a lecture regarding various funding agencies, citation Index and h-Index.
- IQAC motivated young and newly appointed faculties for submitting research proposals and to organize seminars, conferences and workshops.
- All Departmental research laboratories are recognized by Sant Gadge Baba Amravati University.
- To undertake interdisciplinary / society oriented research projects/ studies.
- 143 research papers were published in national and international Journals. 59 papers were presented in National Seminars and Conferences.
- 27 research scholars have obtained Ph. D. in the current year.
- 4 major projects and 09 minor projects were sanctioned by different funding agencies.
- 19 Books have been published.
- 53 faculties have been recognized as research guides.
- The Institute publishes four research journals.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- The infrastructural development plan is approved by LAC.
- Construction of library building extension was also completed.
- Library is a soul of institute it was made more and more strong by purchasing new books every year
- The library Committee as per the requirement and the yearly budget, the books/journals/ e-resources are procured.
- Tenders are invited by the institute for procuring the equipments and ICT related peripherals, as

6.3.6 Human Resource Management

- Different committees of faculties of all discipline are formed each year for the smooth running of the institute,
- In the department also different committees are formed e.g. Test committee, UGC committee, other activities of the department etc.
- Performance appraisal of staff members is done every year based on student feedback, class observation, peer evaluation and self-appraisal. Self-appraisal of faculty members is done by IQAC and by Government of Maharashtra
- Welfare measures are provided to teaching and non-teaching staff members
- Faculty members are encouraged to present papers in conferences and seminars, registration fee for which is reimbursed and also to publish articles in journals. Faculty members are encouraged to participate in orientation and refresher courses.
- Each department of the college ensures utilizing optimum services of the teaching and non-teaching staff.

6.3.7 Faculty and Staff recruitment

- The requirement of the faculty is informed to the Govt. of Maharashtra and staff is recruited through MPSC
- The temporary faculties are recruited as per the need of self financing programmes.

6.3.8 Industry Interaction / Collaboration

Industry interaction through “Industry- Institute Interaction Cell”.

Institute has full support and free hand to PG departments/ research departments to established collaboration with industry for exchange of information research and training to the students and internship.

6.3.9 Admission of Students

- Student's admission is completely on the merit basis.
- Admission of students is done as per Government norms.
- Students are selected for admission on the basis of past academic record, merit list, interviews or a combination of these, depending on the course (UG or PG) to which admission is sought.
- As the Institute is an aided institution, 100 % of the seats are filled as per the Government policy of reservation
- Counseling to students to choose appropriate choice/ combination of subjects in Arts and Science at the time of admission.
- Support for Computational Access during admissions to rural/outside students for form filling etc.

6.4 Welfare schemes for

Teaching	<ul style="list-style-type: none"> • GPF, GIS, Medical Reimbursement. • Quarters for Teaching Staff • Various Govt. Loan Schemes. • Leave Travel Concession, Home Town Concession, Transfer Allowance
Non teaching	<ul style="list-style-type: none"> • GPF, GIS, Medical Reimbursement. • Quarters for Non-Teaching Staff. • Various Govt. Loan Schemes, Leave Travel Concession, Home Town Concession, Transfer Allowance. • Credit Cooperative Society, Festival Advance. • Employment on Compassionate Grounds
Students	<ul style="list-style-type: none"> • Student Welfare Fund, Book Bank, Scholarship, Fellowship, Awards, Concession to Economically Weak Student, Health Insurance, Medical Aid. • Sports Dept provides Sports Kits, Nutritious food, sport uniform etc. 10000 Rs. For international representation in sports. • Remedial coaching for 100 SC, ST, OBC and minority students. • Equal opportunity Center for NET/ SET preparation for SC, ST, OBC and minority students (Post graduate students)

6.5 Total corpus fund generated

Rs. 1,28,829/-

6.6 Whether annual financial audit has been done

Yes

No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Director of Higher Education, Pune	Yes	Head of the Institution
Administrative	Yes	Director of Higher Education, Pune	Yes	Head of the Institution

6.8 Does the University/ Autonomous College declare results within 30 days?

For UG Programmes Yes No

For PG Programmes Yes No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

- **Ordinance No. :- 19/2001. An Ordinance for Central Assessment Programme.**
- **DIRECTION No.:- 46/2010. Date.:- 05/07/2010.**
- Department of Home Science is shouldering the responsibility of winter examinations in Home science faculty for SGB Amravati University Amravati where faculty members are working as paper setters, paper moderators and valuers including the final results.

6.11 Activities and support from the Alumni Association

- Old Vidarbhis Alumni Association and Vidarbha Shiksha Sahayak Mandal sponsor prizes for the students for their academic achievement.
- Alumni meets are conducted. New office bearers were elected.
- Guest Lectures are conducted through alumni.
- Alumni in its annual meet freely and frankly present their views about the institute and put up their suggestion what they deem fit for the betterment of the institute. Several departments invite the alumni for extension lectures and share their expertise with the students. The alumni of the institute raised fund.

6.12 Activities and support from the Parent – Teacher Association

We do not have formal Parent- Teacher Association, but whenever needed, the parents are called for the discussion about academic matters of their ward.

6.13 Development programmes for support staff

- Support staff is sent for the training programmes sponsored by the govt.
- Career advancement and promotion schemes are available for the staff.
- Loan facilities, medical expenses reimbursement, etc schemes are available for the support staff.

6.14 Initiatives taken by the institution to make the campus eco-friendly

- Plantation program was conducted.
- Awareness and campaign for E-Waste management.
- System of Rain Water Harvesting
- Lawns and gardens are maintained with utmost care.
- Approach roads are lined with trees and shrubs.
- Plantation of indigenous Species /other plants
- Ban on use of plastic bags in college campus.
- Plastic eradication drive
- Parthenium Eradication drive by NSS
- Shramdan activity on every Sunday by NSS
- A campus cleaning day was organized by NSS and NCC during Gandhi Jayanti.
- The Department of Botany has set up a botanical garden in the campus.
- The Girls and Boys Hostels have installed solar water Heater panels

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- A system for marking the scores under each Category has been formalized which has led to easy filling of Self Appraisal forms for all teachers.
- Feedback on Teaching created a positive impact on teaching-Learning process by sharing it openly with teachers.
- IQAC has taken consistent efforts to mobilize resources: This has resulted in procurement and establishment of special instrumentation facilities and overall enhancement of the infrastructure.
- ICT training programs for Teaching & Non-teaching staff
- Vermicompost activity: Awareness of organic farming among students were created among students by conferring the practical knowledge of Vermicomposting.
- In the intercollegiate poster presentation competition, 34 students from different colleges have participated.
- Visit to local Industries were arranged for both UG & PG students.
- Celebration of National Science Day through lectures, seminars etc
- NSS Unit Create a map of India with help of human chain on 30/08/2013 In this event more than 2000 students with staff were participated
- Celebration of "Marathi Day" "Urdu Day", "Sanskrit Day", "NSS Day", "NCC Day" "Human Right Day", Constitution Day etc

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

- In order to increase the results of extra coaching is provided to slow learner students.
- In order to increase the placement ratio NET/SET guidance is provided
- For competitive examinations also guidance is available.
- For overall development in the personality of the student various programs were organized.
- Academic Audit was conducted.
- Meetings were held to facilitate interaction between IQAC and Departments.
- Quality national and state level seminars and conferences were organized
- "Vidarbhavani" magazine was published
- Plantation of trees and save water.

7.3 Give two Best Practices of the institution (please see the format in the NAAC Self-study Manuals)

The best practices of the Institutes are

- **Mathematical Models Exhibition and Competition**
- **Vermicomposting**

(Annexure VI)

7.4 Contribution to environmental awareness / protection

- Awareness campaigns of e-Waste Management.
- Seminars/Workshops on Environmental Issues
- Plantation of Trees
- Environment awareness programme (Awareness for no use of Plastic bags etc.)
- Bird conservation Practices
- Guppy fish release programme,
- World sparrow day celebration programme.
- Guest lectures and seminars.
- *Parthenium* eradication
- Water Storage which provides naturally distilled water useful for reagent preparation and similar tasks.

Department of Botany contributed for the environmental awareness/protection throughout the year through Eco-friends extension activities as mentioned earlier through lectures and street play on environmental protection issues.

- Nation Environment awareness campaign in collaboration with WECS (NGO)

7.5 Whether environmental audit was conducted?

- **Documentation of diversity of birds and insects** in the campus is done by Zoology department.
- Tree censuses programme by botany

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

STRENGTHS

- Building in roman and gothic architecture
- Lush Green campus with notable density and diversity of plants
- Being the Government institute fee structure is very affordable to the students.
- This institute has been nationally recognized for providing high quality education.
- Two Boys hostels and two Girls hostels
- Well furnished and equipped Laboratories.
- Well Qualified, Competent and Experienced Staff recruited through MPSC.
- Totally research oriented environment which is useful for post graduate students
- The institute has committed non- teaching staff.

- Self financing PG Courses in five subjects.
- Numbers of options are also available for different subject.
- Credit co-operative society for nonteaching staff members
- Five Wells with motors pumps (24 hours water supply) Water Reservoirs,
- Almost all the faculty members are the recognised research supervisor.
- Sufficient ICT facilities.
- Library with more than 1 lakh books with all required infrastructure and facilities
- Ragging free campus
- Highest number of merits in the merit list of Sant Gadge baba Amravati University every year
- Institute with heighest number of PG departments within jurisdiction of the University.
- The Institute has pride to find its alumni in every profession within the nation and abroad It has produced the stalwart who enjoyed the offices like governor of the state, Chief minister of the state, Chief secretary, popular as poet, writer, Scientist, lawyer, Judges, Doctors , businessmen, etc. Shri A. L. Deoskar honoured with **VIRCHAKRA** in 1971

WEAKNESSES:

- The institute cannot recruit the vacant posts of teaching and non-teaching on its own, it has to rely on MPSC and Government of Maharashtra
- Less opportunity for jobs through campus selections in corporate sector due to basic subjects non-industrial syllabus.
- The Institute cannot generate funds on its own being a Government institute
- Teaching posts are transferable. It creates disturbance in research.

OPPORTUNITIES:

- Remedial coaching for weak students
- Treasure of books available in the library
- MoU and Industry Institute linkages are also opportunities for students
- Collaboration with National Laboratories for research can be done.
- It can become model institution of this region.
- Collaboration with national laboratories and Industries for research

CHALLENGES:

- Growing number of private institutes and colleges increases the competition
- Free education within the context of increasing trends of e-learning.
- To increase the qualifying rate of students in NET /SET examination.
- To reduce the dropout rate at UG & PG level.
- To increase the collaboration with external organizations, MOU with reputed Indian institute.

8. Plans of institution for next year

- Completion of the syllabus for U.G. and PG classes in stipulated time span
- Evaluating students through regular unit tests & Common tests.
- Scheme of sending postcards to the irregular students.
- To prepare students for intercollegiate seminar/poster competition.
- To purchase furniture, Generator, equipments
- To aware students for the responsibility on them about the nature
- To prepare students for the latest challenges in the world today
- To organize a National Seminar on Teaching-Learning Process
- To cater to the needs of slow learners through remedial classes
- To conduct an academic audit of departments
- To promote collaborative research through MoUs
- To update the college website with a new format
- Renovation up gradation of laboratories.
- Tree plantation / weed eradication / plastic eradication
- Save water/ Save Electricity campaign.
- Publications of research papers in high Impact factor Journals.
- Rain water harvesting
- Aptitude Test for B.Sc. I & III.
- Educational Tour For PG students.
- Visit to local Industries for UG & PG Students.
- Science Awareness Programme For School Children's.
- To participate in Inter National/National/State level conference/workshop/seminar.
- To organise different activities at inter collegiate level/University level .
- Conduct Guest Lectures by renowned Personalities and Scientists from the field of environmental science..
- Projects for B.Sc. II and III rd , M.Sc II year students on various topics.
- Certain research activities according to thrust areas will be undertaken and worked out



Dr. Alka S. Gudadhe
Signature of Coordinator, IQAC



Dr. Sangita S. Yawale
Signature of the Chairperson, IQAC

Annexure I

**GOVERNMENT VIDARBHA INSTITUTE OF SCIENCE & HUMANITIES,
AMRAVATI
Merit List of Student 2013-14**

S.N.	Name of the students	Class/Subject	Order of Merit	Medal
1	Ku.Radhika Dagaduji Panjabi	M.A.Marathi	3	
2	Ku.Dipali Rajendra Metkar	M.A.Marathi	4	
3	Ku.Gawri Deepak Joshi	M.A.Marathi	6	
4	Ku.Nayan Ganeshrao Loybare	M.A.Sanskrit	1	Gold
5	Ku.Vaishali Shankar Gohane	M.A. Sanskrit	2	
6	Sh.Sunil Sudhakar Kharawde	M.A. Sanskrit	3	
7	Ku.Mohseena Anjum Sayyad Shakir	M.A. Urdu	1	
8	Sh.Javed Shah Kasam Shah	M.A. Urdu	2	
9	Sh.Imran Khan Rehman Khan	M.A. Urdu	3	
10	Ku.Arshiya Jabeen Shaikh Rehman	M.A. Urdu	5	
11	Sh.Shahid Khan Majid Khan	M.A. Urdu	5	
12	Sh.Vaibhav Dinkar Kale	M.A.History	1	Gold
13	Sh.Gajanan Manikrao Kalalkar	M.A.History	4	
14	Ku.Vijeta Niranjana Wankhade	M.A.Geography	1	Gold
15	Sh.Vaibhav Govindarao Bhagat	M.A.Political Sci	1	Gold
16	Ku.Shilpa Rangaraoji Mete	M.A.Economics	2	Silver
17	Sh.Aniket Shivcharan Harane	M.A.Economics	3	
18	Ku.Priyanka Sahebrao Charthal	M.A.Economics	5	
19	Ku.Archana Arjunrao Sontakke	M.A. Psychology	1	
20	Ku.Chetana Arunrao Deshmukh	M.A. Psychology	2	
21	Ku.Sonam Rameshrao Khanapure	M.A. Psychology	3	
22	Ku.Manjudevi Motilal Prajapati	M.A.Philosophy	3	
23	Ku.Ashwini Narharipanta Thakare	M.Sc.Chemistry	9	
24	Ku.Nikita Jagadish Gupta	M.Sc. Statistics	1	Gold
25	Ku.Mehwas Mustak Shaikh	M.Sc. Statistics	2	
26	Ku.Sharad Namdev Ghadge	M.Sc. Statistics	3	
27	Ku.Damini Diliprao Kajale	M.Sc.Math	1	
28	Ku.Kalyani Gulabrao Thakare	M.Sc. Math	3	
29	Ku.Shubhada Virendra Somwanshi	M.Sc. Math	3	
30	Ku.Punam Parmanand Dharge	M.Sc. Math	3	
31	Ku.Neha Deepak Deshmukh	M.Sc. Math	4	
32	Ku.Arta Vireshwarrao Nichat	M.Sc. Math	5	
33	Sh.Abimannu Anilkumar Maheshwari	M.Sc. Botony	1	Gold,Silver
34	Ku.Shrdhha Gajananrao Patre	M.Sc. Botony	3	
35	Ku Anju Jagdish Pathade	M Sc Home Science (Textile)	1	
36	Ku Sharada Anaji Dongre	M Sc Home Science (Textile)	2	
37	Ku Priti Vaidya	M Sc Home Science (Textile)	3	

Annexure II**NET, SET & GATE Qualified Students**

S.N.	Name	Examination	Year
01	Mr. Jayendra Nakade	SET	2014
02	Mr. Jayendra Nakade	NET	2014
03	Mr. Abhimanyu Maheshwari	NET	2014
04	Mr. Abhimanyu Maheshwari	GATE	2014
05	Shri Vajhi Ashar	SET	2013-14
06	Shri. Rahul Mapari	NET,SET,GATE	2013
07	Shri. Tushar Nakade	GATE	2013
08	Shri. Nitin Dhange	NET(JRF)	2014
09	Shri. Mahadeo Bhujade	NET	2014
10	Shri. Tushar Nakade	NET(JRF),SET	2014
11	Shri. Sachin Shingane	SET	2014
12	Shri. Mangesh Makode	SET	2014
13	Mr. Narendra Manvar	SET,NET	2013
14	Mr. Nitin Raut	SET,NET	2013
15	Ms. Priyanka Ramteke	NET	2013
16	Mr. Vaibhav Thakare	SET	2013
17	Mr. Ved Patki	NET	2014
18	Abhijit Ramanand Agrawal	NET UGC-LS	2014
19	Rupali Damodar Thombare	NET UGC-JRF	2014
20	Mr. Giridhar Sawe	NET	2014
21	Mr. Harihar Gadbail	NET	2013
22	Mr. Rajendra Dhagekar	NET	2013
23	Mr. Shrikant Khadse	NET	2014
24	Mr. Gajanan Tayade	SET	Dec
25	Ku. Rita Kamble	SET	Feb
26	Mr. Tryambak Wahane	NET/JRF	June
27	Ku. Akanksha Bhumbar	NET	June
28	Mr. Tryambak Wahane	SET	Feb
29	Ku. Namrata Rajgure	SET	Feb
30	Mr. Dnyaneshwar Gatkar	SET	Dec
31	Mr. Meghraj Gadge	SET	Feb
32	Mr. Nitin Ghamandi	SET	Feb
33	Mr. Himanshu Zaporde	SET	
34	Ku. Samata Chikate	NET	
35	Mr. Harshanand Wasekar	NET	Dec

EVALUATION OF TEACHERS BY THE STUDENTS

FEEDBACK ANALYSIS REPORT

2013-14

At the end of the session, after completing the portion in the syllabus, each department conducts student's feedback for each teacher from students.

For 2013-14, a questionnaire containing four parameters (total number of questions equal to 23) was prepared to take feedback on individual teacher's performance from students. A random sample of 10 and 5 students was taken for U.G. and P.G. respectively for every teacher. Written feedback forms based on a 5 –point scale are used to calculate a score for each teacher. Lowest and highest ratings for questions are noted which help the teachers for improvement in lowest rating in the next year. Average score of all the 23 questions is obtained. This is overall rating of every teacher. Students' opinions are statistically analyzed on 4-point scale to find quality level of every teacher. The outcome of the analysis is conveyed to the teachers.

From the **2013-14** analysis, it is clear that for **U.G.**, **100 %** of the total staff from all the departments fall into category 4-5- very good i.e. **quality level A** and for **P.G.** **98.50 %** of the staff fall into category 4-5- very good i.e. **quality level A** and **1.50 %** fall into category 1-2- Unsatisfactory i.e. **quality level D**.

Feedback Analysis**2013-2014**

No	Subject	Name of Staff Member	UG						PG					
			Q No	Lowest Rating	Q No	Highest Rating	Overall Rating	Quality Level	Q No	Lowest Rating	Q No	Highest Rating	Overall Rating	Quality Level
1	Philosophy	Dr. Mamta D. Upgade	(4)-6	3.3	8Q	5	4.75	A	(2)-5	1.6	17Q	5	4.57	A
2		Prof. Udaykumae Tembhare	(4)-4	1	15Q	5	4.48	A	(2)-5,(4)-5	1	19Q	5	4.41	A
3	Geography	Dr. D. M. Wankhede							(3)-3	3	6Q	5	4.28	A
4		Dr. D. S. Sinkar							(3)-3	3	9Q	5	4.31	A
5		Dr. Rajendra P. Shinde	(3)-4	3.3	11Q	5	4.59	A	(3)-3	3	7Q	5	4.28	A
6		Dr. S. S. Kumar	(3)-4	3.2	10Q	5	4.57	A	(3)-3	3	7Q	5	4.16	A
7		Dr. Nanda V. Charthad	(3)-4	3	2Q	5	4.43	A	(3)-3	3.2	(3)-4	5	4.15	A
8		Dr. Sadhana S. Khandar	(3)-4	3.2	6Q	5	4.51	A	(3)-3	3.2	4Q	5	4.19	A
9		Dr. P. P. Magar							(3)-3	3	7Q	5	4.30	A
10	History	Dr. Sheela K. Umale	(2)-5	3.5	5Q	5	4.75	A	(2)-5	3.6	7Q	5	4.71	A
11		Dr. Mahadik Ghanshyam S.	(3)-1, (1)-4	4.6	8Q	5	4.90	A	3Q	4.4	7Q	5	4.77	A
12		Dr. B. R. Maske	(3)-2	4.4	(1)-4	5	4.69	A	8Q	4.6	5Q	5	4.77	A
13		Dr. Nalini Tembhekar	(3)-3	4.2	8Q	5	4.78	A	(2)-3	4.2	7Q	5	4.77	A
14	Home Science	Dr. Anjali Deshamukh							(2)-5	4.6	21Q	5	4.97	A
15		Dr. Shubhangi Khandekar	(1)-3	4.2	3Q	5	4.74	A						
16		Prof. Vinaya V. Kant	(2)-5	4.5	22Q	5	4.98	A						
17	Psychology	Dr. Sharma S. K.	(1)-5	4.1	10Q	5	4.76	A	(2)-5	3.4	6Q	5	4.99	A
18		Dr. Deshamukh N. H.	(1)-6	3.7	7Q	5	4.70	A	(2)-5	3.4	6Q	5	4.47	A
19		Prof. Shelke V. K.	(1)-6	3.5	3Q	5	4.63	A	(2)-5,(4)-6	4	11Q	5	4.70	A
20	Political Science	Dr. Pratibha A. Bhorjar	(2)-5	3.1	17Q	5	4.88	A	(2)-4	4	22Q	5	4.96	A
21		Dr. S. K. Deolankar	(2)-5	3.5	10Q	5	4.78	A	(2)-5	4	22Q	5	4.96	A
22		Dr, K. H. Wasnik	(2)-5	3.4	13Q	5	4.81	A	(2)-5	4	22Q	5	4.96	A
23	Economics	Dr. S. S. Naik							(3)-1,(4)-	4.2	4Q	5	4.64	A

									4					
24		Dr. Smt. V. K. Naik	(3)-6	4.1	(1)-1	5	4.62	A	(3)-6,(4)-3	4.2	(1)-1	5	4.62	A
25		Dr. V. M. Gawande	(4)-6	4.3	(1)-1,(4)-1	4.9	4.63	A	(3)-4,(4)-6	4	4Q	5	4.62	A
26	Music	Dr. P. K. Kambale	(1)-6	3.5	10Q	5	4.81	A	(1)-6	3.8	13Q	5	4.77	A
27		Dr. Mukta Mahalle	(4)-2	4.3	6Q	5	4.81	A	(3)-2	4	22Q	5	4.96	A
28		Dr. Sudhir Mohod	(4)-2	4.2	8Q	5	4.81	A	(2)-5	2.8	10Q	5	4.65	A
29		Dr. B. B. Chaudhari	(2)-5	2.4	(3)-1,(4)-2	5	4.42	A	(4)-1	3	6Q	5	4.49	A
30	Computer Science	Prof. Prashant Sinalkar	1q	4.2	1q	5	4.59	A						
31	Maths	Dr. Gudadhe A.S.							1q	3.4	11q	5	4.63	A
32	Chemistry	Dr. V M Raut	1q	2.9	9q	5	4.55	A						
33		Dr. D.T. Tayade	1q	2.9	7q	5	4.55	A	1q	3	4q	5	4.53	A
34		Dr. S.E. Bhandarkar	1q	2.9	8q	5	4.55	A	1q	3	7q	5	4.59	A
35		Prof. V.W. Banewar	1q	3	2q	5	4.51	A	1q	3	9q	5	4.56	A
36		Dr A R Raut	1q	3	2q	5	4.42	A	1q	3	6q	5	4.63	A
37		Dr D P Gulwade							1q	3.6	1q	5	1.77	D
38		Dr Rahim shaikh	1q	3	2q	5	4.42	A	1q	3	5q	5	4.50	A
39		Dr. M.P. Bhise	1q	2.9	3q	5	4.44	A	1q	3	5q	5	4.50	A
40		Prof. S.M. Bombatkar	1q	3	1q	5	4.56	A	1q	3	7q	5	4.52	A
41		Prof. V.D. Thakare	1q	3.8	1q	5	4.49	A	1q	3	4q	5	4.36	A
42	Physics	Dr. S P Yawale							2q	4.2	15q	5	4.87	A
43		Dr. W J Gawande							1q	3.2	10q	5	4.74	A
44		Dr. A U Ubale							1q	4.2	12q	5	4.90	A
45		Dr. M P Lokhande							2q	4.6	11q	5	4.84	A
46		Dr. Mrs. V S Sangawar							1q	1	3q	5	4.43	A
47		Dr. N V Dhoke							1q	3.2	8q	5	4.70	A
48		Shri S N Honale							1q	1.8	7q	5	4.68	A
49	Urdu	Dr. Md Samiuallah							11	2	1	5	4.70	A
50		Dr. Shakeel Ahmed Khan							11	2	1	5	4.62	A
51	Sanskrit	Dr. Bhagavan Panda	2	3.7	3	5	4.66	A	8	3.8	5	5	4.67	A
52		Pranveer Patil	11	3.6	3	4.8	4.60	A	11	2	2	5	4.58	A
53		Pankaja Waghmare	8	3.6	1	5	4.66	A	8	3.6	1	5	4.67	A
54		Rupali Kavishwar	8	3.7	1	5	4.67	A	8	3.6	1	5	4.68	A
55	Marathi	Dr. Santosh Chavan	23	3.5	6	4.9	4.57	A	9	3.8	1	5	4.37	A
56		Dr. Keshav Tupe	23	2.9	1	5	4.66	A						
57		Dr. Alka Hiwale	23	4.4	1	5	4.77	A	23	4	1	5	4.69	A
58		Dr. Sanjay Lohakare	9	4.2	1	5	4.66	A	23	3.8	1	5	4.31	A
59	Physical Education	Dr. Vishakha Saoji	11	4.5	1	5	4.87	A						

Annexure IV**Academic Calendar 2013-14**

Duration	Days	Holidays/Sundays	Teaching Days	Distribution of work
First Term				
10 Jun – 30 Jun	21	3S	18	(BA I, B Sc.I, MA I, M Sc. I) Admission Teaching & Learning
1 July – 31 July	31	4S	27	Teaching & Learning
1 Aug – 31 Aug	31	3H & 4S	24	Teaching & Learning
1 Sep – 30 Sep	30	2H & 5S	23	Teaching & Learning
1 Oct – 26 Oct	26	2H & 3S	21	Teaching & Learning
Vacations (Winter)				
27 Oct – 24 Nov	21			
25 Nov – 30 Nov	6	---	6	Teaching & Learning
1 Dec – 31 Dec	31	1H & 5S	25	Teaching & Learning
1 Jan – 31 Jan	31	1H & 4S & 4 Gading	22	Teaching & Learning
1 Feb – 28 Feb	28	2H & 4S	14	Teaching & Learning (8 days UG Common Test)
1 Mar – 15 Mar	15	2S	9	Teaching & Learning (4 days PG Common Test)
16 Mar – 2 May	47			Preparation + Examination
Total Teaching day			189	
Vacation Summer				
3 May – 8 Jun				

Annexure V

Collaboration and Linkages

1 Joint Project: “Exploring milk producing genes from cattle of India and Portugal”

Dr Mumtaz Baig, Associate Prof., Zoology had completed joint project in collaboration with **Dr. Albano Beja-Periera of CIBIO, University of Portugal** from 02-10-2011 to 12-10-2011. The project with title, “Exploring milk producing genes from cattle of India and Portugal” was approved under the bilateral program of India and Portugal **funded by DST (Indian counterpart) and FCT (Portuguese counterpart)**. In this project, he studied the genetic variants in Kappa casein genes in some selected cattle breeds of India and Portugal. The kappa casein gene has great significance in dairy product especially in the production of cheese. Under this DST-FCT program, the team visited the CIBIO in the October 2012 where Dr Baig got an opportunity to fruitfully interact with the Portuguese researchers. Based on this collaborative work he published two papers in **Molecular Biology and Evolution (Impact factor 4.5)**, **Journal of Dairy Sciences (Impact factor 2.3)**. The expertise of re-sequencing technology earned at CIBIO is utilized to train a Ph.D. research student in the same technology here in this institute. Original Publications originating from Chinese Academy of Sciences (CAS-TWAS) postdoctoral research

1. Chen S, Lin B, **Baig M**, Mitra B, Lopes R, Santos A, Magee D, Azevedo M, Tarroso P, Sasazaki S, Ostrowski S, Mahgoub O, Chaudhuri Y, Zhang Y, Royo L, Goyache F, Luikart G, Boivin N, Fuller D, Mannen H, Bradley D, Pereira A (2010) Zebu cattle are an exclusive legacy of the South Asia Neolithic. *Molecular Biology and Evolution* 27:1-6.

2. Chen SY, Costa V, Azevedo M, **Baig M**, Malmakov N, Luikart G, Erhardt G, Beja-Pereira A (2008) New alleles of the bovine kappa-casein gene revealed by resequencing and haplotype inference analysis. *Journal of Dairy Science* 91:3682-3686

2. National Collaboration with Anthropological survey of India , Nagpur Regional Centre, Nagpur

A National Collaboration resulting in Memorandum of Understanding (MOU) between **Zoology Department** (Dr. V.S. Zade) and **Anthropological survey of India, Nagpur Regional Centre** was signed initially for 2 Years (2012 to 2014). Under this collaboration two research students (Sandeep Chede and Akanksha Mahajan), availed DNA facility in the DNA laboratory of Anthropological Survey of Indian, Nagpur regional Centre, Nagpur. This collaboration helped them in acquiring their Ph. D degree and resulted in about 7 Publications in peer reviewed Journals.

3. Collaboration with Dr Panjabrao Deshmukh Krushi Vidyapeeth, Akola by Home science department:

Linkages:

Department of Mathematics with NBHM (National Board of Higher Mathematics)

Introduction: The **National Board for Higher Mathematics** (NBHM) was set up by the **Government of India under the Department of Atomic Energy** (DAE), in the year 1983, to foster the development of higher mathematics in the country, to formulate policies for the development of mathematics, help in the establishment and development of mathematical centres and give financial assistance to research projects and to doctoral and postdoctoral scholars.

The department of Mathematics has Linkage with “**National Board of Higher Mathematics**” (NBHM) since 20-25 years. NBHM sends many books related to post graduate teaching or research level. Those books are treasure for our institute.

The students of M Sc (Mathematics) of this institute also appear to the examination conducted by NBHM for giving scholarships to the students for doing their Ph. D.

Benefits by this Linkage: This linkage is definitely beneficial to the students because

- Students have been gifted by wonderful books in research areas.
- Students get a chance of getting scholarships for research activities.

Difficulties to Face: Many times the examination dates of M Sc of SGBAU and the Scholarship examination of NBHM overlap due to which our students fail to appear that.

Annexure VI

Best Practices

1. Best Practice

1. Title of the Practice: Mathematical Models Exhibition and Competition

Goal:

- To make students start thinking and bring their own ideas into the classroom
- To gain specialized scientific knowledge for organizing practical ideas in reality
- To develop the skill of applying the theoretical knowledge in practical
- To develop research attitude in the students
- To motivate and practice the students for group working and good inter-relationship among the participants
- To catalyze the learning process.

The Context: In science, a model is a representation of an idea or object or process used to explain or to describe the phenomenon that is difficult to understand. The models are visual way of linking theory with experiment. In some situations, models are developed by scientists to try and predict things. Scientific modelling is a scientific activity, the aim of which is to make a particular part or feature of the world easier to understand using commonly accepted knowledge. There are different types of scientific modelling, such as conceptual models to better understanding, operational models to operationalize, mathematical models to quantify, and graphical models to visualize the subject. Modelling is an essential and inseparable part of scientific activity, and many scientific disciplines have their own ideas about specific types of modelling. Thus modelling is very important to study nature scientifically.

Mathematical modelling is a process of developing a model or a system using mathematical concept and ideas. Mathematical models are used in almost all science subjects like Physics, Biology, all engineering faculties and also in social science branches like economics, Psychology etc. In prehistoric period also simple mathematical models such as maps and diagrams have been used. Eykhoff (1974) defined a mathematical model as 'a representation of the essential aspects of an existing system (or a system to be constructed) which presents knowledge of that system in usable form'.

Making model and learning mathematics is a project based activity. Because project-based learning is filled with active and engaged learning, it inspires students to obtain a deeper knowledge of the subjects they're studying.

Practice: Mathematics department of the institute has the best practice of arranging “Mathematical Model Exhibition and Competition”. This year the theme of the Model exhibition was **Great Fun with Mathematics in day to day life**. The exhibition was organized. Dr T M Karade, Ex- Vice Chancellor of Indiana University, Raipur and the renowned mathematician inaugurated the exhibition. He was very

much impressed by the activity of Exhibiting Mathematical Models. He observed the models minutely raised queries about them to the students. Students answered to all the questions raised. Dr Karade praised most of the models. Total 43 models were exhibited. In all, 95 students participated in this competition. Some models were prepared by group of two students and some by the groups of three depending upon the complexity of the model. Lastly, three best models were selected and the corresponding students were felicitated by awards. The program was followed by the Guest lecture delivered by Dr Karade. 300 students were benefited by that lecture.

Through this activity we nurture critical thinking creativity and scientific temper among the students, so that students can be transformed to lifelong learning and innovations.

Evidence of Success:

The success story of this activity lies in the facts that

- Students are very pleased; they suggested us to have such exhibitions every year.
- Moreover it is found that the curiosity of the students who participated in the event was increased.
- They have started to take more interest in the subject.

Problems Encountered and Resources Required:

As the most of students of the institute are from financially weaker families they cannot afford to prepare models with higher costs.

2. Best Practice: Vermicomposting

Title of the Practice: Vermicomposting

Goals: The practice followed by the institute has following goals,

- 1) To increase human livelihood opportunities
- 2) To increase the soil quality of the farm
- 3) It makes way for utilization of available organic wastes to produce the rich source of organic manure of high quality, which is superior to other types of organic manures in its physico-chemical and biological properties.
- 4) To develop a Job oriented skill

The Context:

Organic farming is the process of farming in which use of chemical pesticides and fertilizers are restricted. It helps the ecological balance, take care of our health and also conserves biodiversity. Vermicomposting is generally known as a nutrient rich source of organic compost used in organic farming. The process of vermicomposting is a treatment for organic waste in sewage and wastewater plants around the world. Now a day's organic product have much demand in market and hence vermicomposting gets importance.

Earthworms have been on the Earth for over 20 million years. In this time they have faithfully played their part to keep the cycle of life continuously moving. Their purpose is simple but very important. They are nature's way of recycling organic nutrients from dead tissues back to living organisms. Many have recognized the value of these worms. Ancient civilizations, including Greece and Egypt valued the role earthworms played in soil. The earthworm is a natural resource of fertility and life. (1) Earthworms live in the soil and feed on decaying organic material. After digestion, the undigested material moves through the alimentary canal of the earthworm, a thin layer of oil is deposited on the castings. This layer erodes over a period of 2 months. So although the plant nutrients are immediately available, they are slowly released to last longer. The process in the alimentary canal of the earthworm transforms organic waste to natural fertilizer. The chemical changes that organic wastes undergo include deodorizing and neutralizing. This means that the pH of the castings is 7 (neutral) and the castings are odorless. The worm castings also contain bacteria, so the process is continued in the soil, and microbiological activity is promoted. (2) Vermicomposting is the process of turning organic debris into worm castings. (3) The worm castings are very important to the fertility of the soil. The castings contain high amounts of nitrogen, potassium, phosphorus, calcium, and magnesium. Castings contain: 5 times the available nitrogen, 7 times the available potash, and 1 times more calcium than found in good topsoil. (4) Several researchers have demonstrated that earthworm castings have excellent aeration, porosity, structure, drainage, and moisture-holding capacity. (5) The content of the earthworm castings, along with the natural tillage by the worms burrowing action, enhances the permeability of water in the soil. Worm castings can hold close to nine times their weight in water.

The Practice:

Undergraduate students were involved in the organization and conduct of this activity. First students were given hands on training in vermicomposting in the zoology department. An expert in vermicomposting was invited for the purpose. Later the students of B.Sc. part I carried out the activity throughout the year.

Evidence of Success:

- 1) Firstly, it makes way for utilization of available organic wastes to produce the rich source of organic manure of high quality, which is superior to other types of organic manures in its physico-chemical and biological properties.
- 2) Secondly, the manure is produced in a short duration of time of six weeks and is a fully matured, homogenous matter.
- 3) Thirdly, the program provides job opportunities/entrepreneurship for the students.
- 4) Finally, it is the best way of safe guarding the environment.
- 5) Vermicompost (compost produced by the activity of selected species of earthworms) has been adjudged as the best source of organic amendments to soil. Use of vermicompost can fulfil the requirements for organically grown products.