

Sant Gadge Baba Amravati University



**ANNUAL QUALITY
ASSURANCE
REPORT**

(JULY 2013 - JUNE 2014)



**SUBMITTED TO
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL, BANGLORE**

Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

1. Details of the Institution

1.1	Name of the Institution:	Sant Gadge Baba Amravati University
1.2	Address Line 1:	Camp
	Address Line 2:	University Campus
	City / Town:	Amravati
	State:	Maharashtra
	Pin Code:	444602
	Institution e-mail address:	vc@sgbau.ac.in provc@sgbau.ac.in reg@sgbau.ac.in
	Contact Nos.	0721-2662173, Fax: 2660949
	Name of the Head of the Institution:	Dr. Mohan Khedkar Vice Chancellor
	Tel. No. with STD Code:	0721-2662373 , Fax: 2662135
	Mobile:	+919422148053
	Name of the IQAC Co-ordinator:	Dr. S. F. R. Khadri
	Mobile:	+919423425393
	IQAC e-mail address:	diriqac@sgbau.ac.in
1.3	NAAC Track ID	MHUNGN10062
1.4	NAAC Executive Committee No. & Date:	EC/52/RAR/71 dated 28/03/2010
1.5	Website address:	www.sgbau.ac.in
	Web-link of the AQAR:	www.sgbau.ac.in/iqac.asp

1.6 Accreditation Details:

S N	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B	71.80 Institution Score	2002	2007
2	2 nd Cycle	B	2.63 CGPA	2010	2015

1.7 Date of Establishment of IQAC: 1.8 AQAR for the year:

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

AQAR 2013-14 submitted to NAAC

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 (eg. AICTE, BCI, MCI, PCI, NCI) 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)

1.12 Name of the Affiliating University (*for the Colleges*)

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

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

2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="06"/>		
2.2 No. of Administrative/Technical staff	<input type="text" value="03"/>		
2.3 No. of Students	<input type="text" value="02"/>		
2.4 No. of Management Representatives	<input type="text" value="02"/>		
2.5 No. of Alumni	<input type="text" value="-"/>		
2.6 No. of any other Stakeholder and Community Representatives	<input type="text" value="01"/>		
2.7 No. of Employers/ Industrialists	<input type="text" value="01"/>		
2.8 No. of other External Experts	<input type="text" value="01"/>		
2.9 Total No. of members	<input type="text" value="16"/>		
2.10 No. of IQAC meetings held	<input type="text" value="05"/>		
2.11 No. of meetings with various stakeholders:		Faculty <input type="text" value="03"/>	Nonteaching <input type="text" value="02"/>
	Students <input type="text" value="01"/>	Alumni <input type="text" value="01"/>	Others <input type="text" value="01"/>
2.12 Has IQAC received any funding from UGC during the year?	Yes <input type="text" value=""/>	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	Institute Level
03	---	---	01	02

(ii) Themes

Accreditation Awareness for affiliated colleges and professional colleges

2.14 Significant Activities and contributions made by IQAC

- | |
|--|
| <ul style="list-style-type: none"> • Accreditation Awareness workshop for affiliated colleges • Accreditation Awareness (NBA) workshop for professional colleges • Regional orientation programme regarding NAAC in collaboration with Regional Joint Director, Higher Education, Government of Maharashtra |
|--|

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
Formulation and implementation of academic calendar	The IQAC at its best tried to implement the action plan as formulated in the form of academic calendar.
Accreditation by NAAC (3 rd cycle)	The SSR for third cycle of accreditation has been submitted to NAAC, Bangalore.
Infrastructural developments	The infrastructure has been developed as per requirement and feasibility.
Strengthening the Research and Patent Cell	Two patents have been filed. Number of research projects were formulated and submitted to funding agencies.
Promotion of examination reforms	In order to execute the recommendations of Rajesh Agrawal Committee for Examination Reforms, the process for digitization of tabulation registers, bar code on answer sheets, online procedure for application of revaluation and on screen evaluation of answer sheets of Engineering Faculty are underway.
Developing the research culture to keep pace with the global trends	MOUs were signed with research institutes to develop research culture.

2.16 Whether the AQAR was placed in statutory body: Yes No Management Syndicate Any other body

Provide the details of the action taken :

The AQAR essentially been placed before the IQAC for perusal and suggestions thereof. After discussions at length and deliberations in the meeting of IQAC, the necessary revisions had been carried out in the AQAR. The IQAC finally approved the same for onward submission to the NAAC.

Part – B**Criterion – I****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	32	--	--	--
PG	26	--	--	--
UG	01	--	--	--
PG Diploma	04	--	--	--
Advanced Diploma		--	--	--
Diploma		--	--	--
Certificate		--	--	--
Others (DSc, D.Litt., LLD.)		--	--	--
Total		--	--	--

Interdisciplinary	02	--	--	--
Innovative	03	--	--	--

1.2 (i) Flexibility of the Curriculum:

CBCS/Core/Elective option / Open options CBCS for P. G. Courses in the Faculty of Science, Engineering and Technology. Core options for the courses in the Faculty of Engineering and Technology and Elective options for PG programs in Science, Humanities and Commerce and Management

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	25
Trimester	--
Annual	5

1.3 Feedback from stakeholders* Alumni Parents Employers Students
(On all aspects)

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

* Please refer Annexure-II for an analysis of the feedback

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

- Since the syllabi revision and thereby upgradation is a continuing process, the syllabi of some professional and elective subjects have been revised and updated with a view to keep abreast recent state-of-the art.
- The ICT contents have been enhanced in the relevant subjects and courses.
- The research aspects to promote CBCS pattern have been given due place in the revision of syllabi of the courses like Microbiology.

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

Criterion – II**Teaching, Learning and Evaluation**

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	91	55	18	10	08

2.2 No. of permanent faculty with Ph.D. 66

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
	01	11	00	11	00	08	00	01	01	31

2.4 No. of Guest and Visiting faculty and Temporary faculty 60 9 110

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	44	81	25
Presented papers	78	86	4
Resource Persons	22	66	14

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

- Organization of orientation programmes on dissertation topics to arouse amongst the students, the essential research sensibility for selection of topics and giving the titles
- Organization of “Entrepreneur Meet” to develop marketing skills amongst the students
- Displaying the IEC material created by the students
- Experimental teaching and learning methodologies for participative learning are used through group discussion, brain storming discussion. Interactive learning active involvement of students, Industrial visits
- Frequent use of e-resources like e-books, Power Point Presentations, Video Lectures, Animations, etc.
- Optimum use of the internet and other ICT based gadgets in teaching learning

2.7 Total No. of actual teaching days during this academic year 184

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

- To bring in the essential examination reforms, bar coding on the answer sheets to avoid the malpractices is being introduced
- The facility of photocopy of answer sheets
- The process for digitization of tabulation registers is underway

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

28

21

28

2.10 Average percentage of attendance of students

85

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass
M.Sc. (Applied Elect.)	26	00	04	03	00	07
M.Sc. (Chemistry)	27	03	13	03	00	19
M.Sc. (Physics)	25	02	06	02	00	10
M.Sc. (Botany)	19	00	09	03	00	12
M.Sc. (Zoology)	23	02	18	02	00	22
M.Sc. (Microbiology)	27	09	14	02	00	25
M.Sc. (Geology)	12	03	07	02	00	12
P.G.Diploma Watershed Tech. &Mgt.	7	00	07	00	00	07
M.Sc. (Biotech)	15	04	08	00	00	12
M.Sc. (Home Sci)	25	12	05	00	00	17
M.Sc. (Mathematics)	32	02	08	01	00	11
M.Sc. (Statistics)	07	00	03	00	00	03
M.Sc. (Computer Sci.)	18	02	04	05	00	11
P.G.D.C.S. (Computer Sci.)	05	00	01	00	00	01
M.C.A. (Computer Sci.)	73	00	27	01	00	28
M.E. (CSIT)	20	00	00	00	00	14
M.A. (Hindi)	13	00	05	04	02	11
M.A. (Marathi)	21	00	00	03	02	05
M.A. (Sociology)	21	00	00	05	06	11
M.A. (English)	03	00	00	00	00	00

B.Tech. (Chem. Tech.)	48	00	00	00	00	28
M.Tech. (Chem Tech.)	09	00	00	00	00	05
B. Lib. (Library Sci.)	19	00	15	00	00	15
M. Lib. (Library Sci.)	17	00	01	03	00	04
M. B. A.	36	12	16	00	00	28
M.P. Ed. (Physical Ed.)	29	00	23	00	00	23
L.L. M. (Law)	01	--	--	--	--	--
P. G. Diploma Law in Human Resource and Education	11	--	--	--	--	--
M. Ed. Education	35	00	34	00	00	34
M.A. (Gender Women Studies)	04	00	00	03	01	04

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

- The IQAC is proactive in creating the academic environment and providing the necessary infrastructure for proper implementation of teaching-learning.
- The emphasis has been laid upon ICT to cope up with the rapidly changing teaching learning process.
- The IQAC monitors the performance of the teachers in particular and the proper execution of teaching learning process by way of inviting feedbacks and evaluation of the APIs of the teachers.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	6
UGC – Faculty Improvement Programme	2
HRD Programmes	10
Orientation Programmes	4
Faculty exchange programme	0
Staff training conducted by the university	4
Staff training conducted by other institutions	6
Summer / Winter schools, Workshops, etc.	9
Others	7

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	413	55	40	Nil
Technical Staff	82	04	03	Nil

Criterion – III**3. Research, Consultancy and Extension**

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

- Celebration of National Science Day
- Organization of Avishkar, the research festival
- Establishment of Research Consortium
- Consistent encouragement to teachers for undertaking the research projects and providing necessary financial and administrative aid
- Frequent organization of research seminars in teaching departments

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	11	11	05	15
Outlay in Rs. Lakhs	200.92	199.25	84.84	436.30

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	--	--	--	--
Outlay in Rs. Lakhs	--	--	--	--

3.4 Details on research publications

	International	National	Others
Peer Review Journals	328	42	3
Non-Peer Review Journals	02	10	0
e-Journals	06	2	0
Conference proceedings	36	58	3

3.5 Details on Impact factor of publications:

Range 0.22-34.4

Average 8.87

h-index 2-37

Nos. In SCOPUS 50+

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned	Received
Major Project	3 years / 5 years	UGC	1,13,45,600/-	29,78,325/-
		SERB	9,00,30,00/-	5,00,000/-
		DST	1,30,38,600/-	19,89,500/-
		DRDO	20,55,000/-	4,15,840/-
		ICSSR	5,39,650/-	1,42,798/-
		RGSTC	28,00,000/-	6,96,146/-
		AICTE	12,35,294/-	11,11,765/-
Minor projects	-	-	-	-
Interdisciplinary project	-	-	-	-
Industry sponsored	-	-	-	-
Projects by the University/College	-	-	-	-
Students research project (Other than compulsory by the University)	3 years / 5 years	UGC	25,25,575/-	13,22,244/-
		DST	24,20,000/-	24,20,000/-
		UGC	--	3,23,876/-
Any other (Specify)	--	--	--	--
Total			4,49,62,719/-	1,19,00,494/-

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

ii) Without ISBN

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 1,91,400/-

3.11 No. of conferences organized by the Institution:

Level	International	National	State	University	College
Number	1	3	--	3	
Sponsoring Agencies		SGBAU, Amravati , Marathi Vidnyan Parishad, Mumbai UGC-DBT		UGC SGBAU, Amravati	

3.12 No. of faculty served as experts, chairpersons or resource persons 78

3.13 No. of collaborations International 17 National 20 Any Other 08

3.14 No. of linkages created during this year 15

3.15 Total budget for research for current year in lakhs:

From funding agency	58.63	From Management of University/College	--
Total	58.63		

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	02
	Granted	--
International	Applied	--
	Granted	--
Commercialised	Applied	--
	Granted	--

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

Total	International	National	State	University	Dist	College
17	9	7	0	1	0	0

3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them 55
243

3.19 No. of Ph.D. awarded by faculty from the Institution 57

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 State level
National level International level

3.23 No. of Awards won in NSS:

University level State level
National level International level

3.24 No. of Awards won in NCC: **N.A.**

University level State level
National level International level

3.25 No. of Extension activities organized:

University forum College forum
NCC NSS Any other

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- Organization of Dr. Motilal Rathi workshop on awareness of public health by way of exhibiting the basic charts regarding the use of oil and fats and related demonstrations
- Organization of a sustainable technology show highlighting the health and public hygiene
- Organization of Popular Talks under Teaching Research Development Extension Activity on “Creativity at work and home: integrated approach”

- Organization of Energy Conservation Workshop emphasizing the making and use of LED Lamps
- Establishment of Centre for “Swatchh Bharat – Swasth Bharat” under UGC Scheme
- Organization of two days workshop on **Coalescence of Chemical Sciences to Confront the Challenges of Sustainability** by **Royal Society of Chemistry, West India Section (RSCWIS)**
- Groundwater quality testing of the highly populated slums of Amravati City
- Celebration of Wild-life Week and Vasundhara Festival by way of organization of seminars and competitions
- Organization of 49th Akhil Bhartiya Marathi Vidnyan Adhiveshan
- Organization of Akhil Bhartiya Marathi Kavisammelan on 6th May, the National Marathi Day to highlight the State Language policy of the State Government

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	470.63 Acre	--	--	470.63 Acre
Class rooms	4104.14sqm	--	UGC, Government Grant, University Fund	4104.14sqm
Laboratories	5390.60 sqm	--		5390.60 sqm
Seminar Halls	1736.16 sqm	--		1736.16 sqm
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	44	02	UGC/Govt.	46
	77	22	University Fund	99
Value of the equipment purchased during the year (Rs. in Lakhs)	228.76 lacs	6.86	UGC/Govt.	235.62
	216.13 lacs	89.17	University Fund	305.30

4.2 Computerization of administration and library

- The Computerization of administrative sections such as Collegiate Section, B.C.U.D., Finance and General Administration is underway
- Computerization of Departmental Library with open source software

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value (in lacs)	No.	Value (in lacs)	No.	Value (in lacs)
Text Books / Reference Books	107965	720.42	1008	1.08	108973	721.50
e-Books	126	9.50	--	--	126	9.50
Journals	117	2.98	91	1.68	--	--
e-Journals	10000+	35.60	10000+	33.30	--	--
Digital Data base	9		6	--	6	--
CD and Video	1535	-	-	-	1535	--
Others (specify):						
• Theses	2180	--	162	--	2342	--
• Dissertation	30799	--	6325	--	37124	--

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	756	30	1 GBPS Leased Line	01	01	07	22	Increase in number of nodes through LAN infrastructure project of NME-ICT
Added	150	00		00	00	01	01	
Total	906	30		01	01	08	23	

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

- Open access to net-enabled computers for teachers and the students has been enhanced by way of LAN infrastructure project
- Computer laboratories in the concerned departments have been upgraded
- Extensive and speedy online communication regarding the meetings / events by way of bulk SMS facility
- Optimum use of A-view (e-learning tool) for multicasting lectures, power point presentations etc.

4.6 Amount spent on maintenance in lakhs:

i) ICT	15.49
ii) Campus Infrastructure and facilities	118.73
iii) Equipments	26.20
iv) Others	8.95
Total:	169.37

Criterion – V**5. Student Support and Progression****5.1 Contribution of IQAC in enhancing awareness about Student Support Services**

- Emphasis on research and curricular and co-curricular activities under TRDEA and due financial provision for organization of these activities
- Establishment of student facilities centre
- More sports and recreational facilities to provide a platform to the students and sportspersons to showcase the talent in the respective area
- Upgradation of e-resources through library and open access to the same to student and the researchers
- Additional spacious building for Boys Hostel

5.2 Efforts made by the institution for tracking the progression

- Evaluation of the students overall development has been evaluated by organization of various curricular and co-curricular such as Quiz Competition, Communication Skill Programme, Elocution Competition etc.
- Computer training programme and various tests have been conducted to track students progression in ICT in the various teaching departments
- Organization of demonstrative instrumentation sessions through CIC
- Special training and assessment programme for laboratory instruments

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
243	1309	233	31

(b) No. of students outside the state

68

(c) No. of international students

--

Men	No	%	Women	No	%
	680	42.95		903	57.04

Last Year (2013-14)						This Year (2014-15)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
529	265	38	690	1	1521	529	275	43	736	0	1583

Demand ratio: 1:4

Dropout %: less than 1%

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

- Regular organization of counselling, and training programme for preparation of competitive examination
- Strengthening for centre for coaching for competitive examination
- Conduction of special classes to prepare the students and arouse in them the sense of confidence to face the interface meetings
- Coaching classes for SC, ST & minorities students
- Online access to academic & research material for the students and researchers through library portal
- Availability of special Reading Room with extended time span for the aspirants of competitive exam such as UPSC, MPSC, GATE, NET/SET, etc.

No. of students beneficiaries

198

5.5 No. of students qualified in these examinations

NET	16	SET/SLET	09	GATE	02	CAT	--
IAS/IPS etc	--	State PSC	01	UPSC	--	Others	--

5.6 Details of student counselling and career guidance

- Organization of extensive lectures on career opportunities for both Boys & Girls in Food Science & Nutrition and Resource Management
- Organization of career counselling workshops in the teaching departments
- Bimonthly publication of Career Guidance Bulletin by University Employment and Self Employment Information & Guidance Bureau reviewing the career prospects, courses, training facilities, employment opportunities, scholarships and fellowships

No. of students benefited

356

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
4	37	20	74

5.8 Details of gender sensitization programmes

- Women Studies Centre has been the pivot for organization of gender sensitization programme such as rights to women, sexual harassment at workplace awareness workshop, etc.
- Celebration of International Women’s Day programme signifying the importance of women in the rapidly changing socio-economical scenario
- Organization of programmes motivating the girl’s to be the leaders

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 lacs)
Financial support from institution	--	--
Financial support from government	473	85.33
Financial support from other sources	05	20.89
Number of students who received International/ National recognitions	--	--

5.11 Student organised / 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

5.13 Major grievances of students (if any) redressed: ---

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution:

Vision

To emancipate the youth from the darkness of ignorance for elevation of the society by imparting knowledge and fostering wisdom at its' plentiful

Mission

To contribute to the society through the pursuit of education, learning and research at the highest level of excellence

6.2 Does the Institution has a Management Information System

Yes

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

6.3.1 Curriculum Development

- Promotion of Community Courses
- Master courses were made intra and interdisciplinary, participatory and research oriented
- Workshop organized on curriculum development
- Quality issues are addressed through IQAC by arranging workshops
- Discussions on curriculum development and upgradation during Teachers Association annual conventions
- National workshop on Curriculum development is planned in Home Science Department in September, 2015

6.3.2 Teaching and Learning

- Emphasis on interactive teaching learning through ICT
- Organised group discussions, panel discussions, interface meetings
- Promoting the on-line virtual laboratory experimentation for the students

6.3.3 Examination and Evaluation

- Online Redressal mechanism with SMS alert implemented
- Bar coded answer sheets introduced
- Student facility centre started
- Examination coordinator appointed at college level to help the students
- Implementation of stringent rules related to exam work

6.3.4 Research and Development

- International Conference on General Relativity is planned in Mathematics Department during November, 2015
- Strengthening of research and patent cell
- Encouragement to faculty for participating in International Conferences
- Amendments to Ph.D. Ordinance
- Organization of national, international, state level symposium/ seminars/ workshops, conferences in the university campus
- MoUs with different agencies have been signed / renewed
- More research publications by faculty

6.3.5 Library, ICT and physical infrastructure / instrumentation

- Human Resource Development Centre (Academic Staff College) Hostel building completed
- Library on-line connections are made available in the department
- Off campus access facility made available for faculty members & students
- Internet facility is available for each research group and computer laboratory for all PG students.
- Strengthening of ICT facilities
- More nodes made available for researchers, faculty members and administrative officers
- Extension of department building work is in progress
- Execution of Water Tank in Campus for departments & administrative blocks
- Established consortia for affiliated college's libraries for sharing of resources
- Instrumentation facility created from funds of FIST- DST, SAP-UGC and major research projects from various funding agency

6.3.6 Human Resource Management

- Optimum utilization of the human resource by way of use of ICT and networking
- Enforcement of the existing staff by taking services of retired persons
- Through equity and access in work culture the efficiency of human resource is enhanced
- For better management, the services of the students from Earn and Learn Scheme rendered

6.3.7 Faculty and Staff recruitment

- In tune with the prevailing norms for recruitment, the vacancies of teaching and nonteaching staff have been filled in
- Visiting and guest faculty have also been appointed for promotion of quality teaching and research
- Meticulous implementation of Career Advancement Scheme for teachers and promotions to the support staff

6.3.8 Industry Interaction / Collaboration

- Interactions and visits are arranged to Swaminathan Foundation, Wardha, Centre of Science for Villages, Wardha to study the sustainable technology
- Expert Lecture and interaction by Padmavibhushan Prof. Dr. M. M. Sharma, renowned industrial consultant with research scholars, faculty and industrialist were organized by Department of Chemical Technology
- In-plant training was organized for students of professional courses
- Research work was undertaken in consultation with industry

6.3.9 Admission of Students

- Systematic and transparent admission process was carried out centrally on merit basis
- Well defined admission rules were made available to the students well in advanced
- Timely counseling and guidance were made available to the students to help them make right choice
- Centralized Admission process for departments like Chemical Technology / MBA/MCA/M. Ed by state government and online entrance test for admission to M.Sc. – Biotechnology

6.4 Welfare schemes for

Teaching	<ul style="list-style-type: none"> • Easy loan facility for purchase of two and four wheeler vehicles • Facility of advance for the purchase of Computers • Leave Travel concession (LTC) • Financial support for attending conference • Medical bill reimbursement facility • Advance given for medical exigencies • Group Insurance Scheme • Teacher Welfare Fund
Non teaching	<ul style="list-style-type: none"> • Grain and Festival advance • Medical bill reimbursement facility • Advance given for medical exigencies • Personal Loan facilities from University Employees' Cooperative Society

	<ul style="list-style-type: none"> • Leave Travel concession (LTC) • Group Insurance Scheme • Facility of advance for purchase of Computers • Employee welfare fund • Dress and shoes provided to some of the employees • Facility for cultural programme
Students	<ul style="list-style-type: none"> • Earn while Learn Scheme • Under the scheme of “Sant Gadge Baba Vidhyadhan Yojana”, interest on educational loan taken by EBC students is shared by the University • NET and Remedial Coaching classes for SC/ ST/ OBC and Minority • Guidance and coaching for Competitive examinations. • Medical facility through health center. • Life insurance facility with enhanced risk coverage • Students Welfare Fund • Free accommodation to the B.C. students in the university hostels

6.5 Total corpus fund generated

6.6 Whether annual financial audit has been done Yes No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	-	No	-
Administrative	No	-	No	-

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?

- | |
|--|
| <ul style="list-style-type: none"> • Introduced use of answer books with barcode • Established sub centres for the assessment • Introduced online mechanism for Redressal • Digitisation of examination record • Student friendly examination management system |
|--|

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

- Motivated the affiliated colleges to apply for the autonomy

6.11 Activities and support from the Alumni Association

- Interactive meet with students by alumni
- Guidance and sharing information about career opportunities and higher studies
- Support in form of Books, Rare medicinal plants saplings etc. by alumni
- Creating networking with existing and pass out students

6.12 Activities and support from the Parent – Teacher Association

- Meetings with parents for monitoring progress of their wards
- Online information sharing with parents
- Engaging parents with development of the department

6.13 Development programmes for support staff

- Following staff members / officers were deputed to attend the training programmes/workshops:
 - 1) Shri. M. M. Jayale, Dy. Registrar (Legal): Training Course on Court Procedure conducted at Yashada, Pune in Feb 2015
 - 2) Shri. D. S. Raut, Dy. Registrar (Academic): Workshop for the Basic Template of Choice Based Credit System and Credit Framework for Skill Based Vocational Course conducted by UGC Central Regional Office, Bhopal during April 2015

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

- Through cleanliness drive, shramdaan, creating awareness about conservation of energy and water
- Undertaken plantation
- Organized Sustainable Technology Show
- Environment Day Celebration
- Workshop for handmade paper products for resource conservation
- Green Chemical Technology Projects
- Started some green preparations instead of conventional synthesis

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.

- Examination reforms undertaken such as digitization of the tabulation registers, use of bar coded answer sheets and on-screen evaluation of the answer sheets of Engineering Faculty
- De-centralization of Central Assessment Centers under CAP, establishing three additional centers at Shegaon and Pusad
- Strengthening the collection in terms of digitization of theses
- Establishment of the Students Facility Centre with the basic facilities of reprography, internet, etc.
- Extensive implementation of “Swachchh Bharat Swasth Bharat” scheme in the campus of the University
- Extended reading period to the students preparing for various competitive examinations

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

Plan of Action	Action Taken
Formulation and implementation of academic calendar	As prepared by the IQAC, the Academic Calendar has been implemented for smooth functioning.
Accreditation by NAAC (3 rd cycle)	The pre-requisites for accreditation (3 rd cycle) such as submission of LOI, SSR, etc. have been completed. The necessary preparations for Peer Team Visit have been undertaken.
Infrastructural developments	For effective functioning of academics and administration, construction of Department of English including Language Laboratory, a spacious building for Boy’s Hostel and extension to Examination Section have been undertaken on mission mode.
Strengthening the Research and Patent Cell	Number of research projects were formulated and submitted for funding.
Promotion of examination reforms	In order to execute the recommendations of Rajesh Agrawal Committee for Examination Reforms, the process for digitization of tabulation registers, bar code on answer sheets, online procedure for application of revaluation and on screen evaluation of answer sheets of Engineering are underway.
Developing the research culture to keep pace with the global trends	MOUs were signed with research institutes to develop research culture.

7.3 Give two Best Practices of the institution

- 1) Title: Sant Gadge Baba Amravati University Library Consortia for UG and PG Colleges
- 2) Title: Sustainability Assessment of Tree Species against Environmental Vagaries

** Please refer Annexure-III*

7.4 Contribution to environmental awareness / protection

- Optimum use of solar street lights in the University Campus
- Solar water heaters in the hostels, guest house and other residential places have been used optimally towards conservation and saving of energy
- Plantation of trees in the vast campus
- Creation of a water reservoir near lake in the University Campus
- Generation of Vermi compost from solid waste in the campus resulting into environmental protection and generation of Farm Yard Manure

7.5 Whether environmental audit was conducted? Yes No

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

Strengths:

- Motivated and committed faculty and administrative staff
- Supportive governance system
- Single Locational Campus with well maintained and pollution free environment having easy access from the city
- Advanced library facility

Weaknesses:

- Underdeveloped industrial area
- Lack of adequate teaching and non-teaching staff
- Low GER

Opportunities:

- Upcoming textile and orange processing industries
- Smart City Project
- Skill development programmes
- International collaborations and linkages

Threats:

- Advent of foreign and private universities
- Declining interest in traditional and basic branches
- Unpredictable climatic conditions leading to socio-economic crisis

8. Plans of institution for next year

- i. Automation and computerization of Examination and administration processes
- ii. Introduction of Vocational Courses
- iii. Focused efforts for increasing number of funded research projects, patents and consultancies
- iv. Encouraging autonomy to the colleges
- v. To raise the infrastructural facilities
- vi. Establish Centre of Excellence
- vii. Strengthening the Digital India work

Dr. S. F. R. Khadri

Dr. Mohan Khedkar

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

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Sant Gadge Baba Amravati University, Amravati

Academic Calendar for University Departments

(Annual Pattern Programme)

2014-2015

Duration	Days	Holidays/ Sundays	Teaching Days	Distribution of work	Holidays 2010-2011
16 Jun - 30 Jun	16	2 S	---	Admission	---
1 July - 15 July	15	2 S	---	Admission	---
16 July - 31 July	16	2 S + 1 H	13	Teaching & Learning	29
1 Aug - 31 Aug	31	5 S + 2 H	24	Teaching & Learning	15, 29
1 Sept - 30 Sept	30	4 S + 1 H	25	Teaching & Learning	01, 23
1 Oct - 19 Oct	19	3 S + 2 H	14	Teaching & Learning	03, 06
Total (a)			76		
Vacations					
(Winter) 1 20 Oct - 01 Nov	13				
Vacations					
02 Nov - 30 Nov	29	5 S	24	Teaching & Learning	---
01 Dec -31 Dec	31	4 S + 1 H	26	Teaching & Learning	25
01 Jan – 31 Jan	31	4 S + 1 H	26	Teaching & Learning	26
1 Feb - 28 Feb	28	4 S + 2 H	22	Teaching & Learning	17, 19
1 Mar - 31 Mar	31	5 S + 3 H	23	Teaching & Learning	06, 21, 28
1 Apr - 30 Apr	30	4 S + 3 H	---	Preparation & Examination	02, 14, 21
1 May – 10 May	10	2 S + 1 H	---	Examination	1
Total (b)			121		
Vacations					
(Summer) 11 May - 13 June	34				
Total Teaching Days (a+b)			76+121=197		

Note: Non instructional Days are planned at the departmental level.

Sant Gadge Baba Amravati University, Amravati
Academic Calendar for University Departments
 (Semester Pattern Programme)
2014-2015

Duration	Days	Holidays/ Sundays	Teaching Days	Distribution of work	Holidays 2010-2011
First Term					
16 Jun - 30 Jun	16	2 S	---	Admission	---
1 July - 15 July	15	2 S	---	Admission	---
16 July - 31 July	16	2 S + 1 H	13	Teaching & Learning	29
1 Aug - 31 Aug	31	5 S + 2 H	24	Teaching & Learning	15, 29
1 Sept - 30 Sept	30	4 S + 1 H	25	Teaching & Learning	01, 23
1 Oct - 19 Oct	19	3 S + 2 H	14	Teaching & Learning	03, 06
Vacations (Winter) 1					
20 Oct - 01 Nov	13				
Second Term					
02 Nov - 20 Nov	19	3 S	16	Teaching & Learning	---
21 Nov - 30 Nov	10	2 S	---	Preparation & Examination	---
01 Dec - 14 Dec	14	2 S	---	Preparation & Examination	---
Total (a)			92		
Vacations (Summer)					
11 May - 13 June	29				
Total Teaching Days (a+b)			92+94=186		

Note: Non instructional Days are planned at the departmental level.

Analysis of Feedback from stakeholders

- 1) Due care of suggestions and recommendations is being taken after receipt of the feedbacks from the students, alumni, parents and other stake holders.
- 2) Equal importance is given to the suggestions from Class-IV to Class-I employees.
- 3) The slow learners are benefitted normally by the feedback procedure.
- 4) The placement of the students can be increased by having the feedback from the students who are placed through campus placements.
- 5) As usual the feedbacks are placed before the competent bodies and authorities for incorporation of the suggestions and recommendations by the stake holders.
- 6) Feedback can help the students/ staff to address their grievances, if any.
- 7) In the light of feedback obtained, some curricula are designed to address the various aspects pertaining to academic, research and social values.

Best Practices

1) Title of the Practice: Sant Gadge Baba Amravati University Library Consortia for UG and PG Colleges

Preamble:

Online resources play pivotal role in study and research in higher education in the advanced atmosphere of information and communication technology. Students, teachers, research scholars and other users are more interested to access the required information from such resources rather from print ones. However due to high subscription rates of these resources, colleges cannot subscribe it and therefore unable to make it available in the library for its stake holders. To overcome this genuine problem of colleges, the University Library has decided to develop the consortia with the title “**Sant Gadge Baba Amravati University Library Consortia for UG and PG Colleges**”. The member colleges of the consortia will get e-resources in the form of packages at affordable costs.

Objectives of the Practice:

Providing access to the e-resources to the students and teachers of the colleges at affordable cost.

The Context:

In the age of globalization, research and innovation play significant role for quality enhancement. The students, researchers and the teachers need to keep pace with the rapidly changing time. Every component of Higher Education be addressed for updation of knowledge and upgradation of technology. This knowledge component, to be upgraded, requires consistent concordance of the teachers and researchers by way of the latest ICT.

Needless to state that Amravati University covers mostly the rural part of Western Vidarbha far away from the latest developments in the knowledge and technological sectors. The University being the affiliating body has come forward with an aim to provide an easy online access to the e-resources to its pupils, researchers, the teachers and other end users in the remote and far off places unaware of these technological progressions. On this backdrop, the University has taken a revolutionary decision of creating the consortia.

The Practice:

Membership of the consortium is open to all colleges affiliated to any State University in Maharashtra for one more developed packages. To become a member of it, the interested colleges shall have to pay a nominal contribution of 10% of the annual subscription of the developed packages to be subscribed as a consortia membership fees to the University. The process for becoming a member is very simple as under.

1. The interested colleges would be required to apply for membership in prescribed application form alongwith membership fees in the form of D.D. in favour of “The Registrar, Sant Gadge Baba Amravati University”.
2. The membership certificate received against the subscription of membership fees from the University shall have to submit to the publisher.
3. On getting a certificate along with the subscription the publisher will provide the access to the college for the packages selected by the member college.

4. The members would be required to follow the terms and conditions of publisher for accessing the e-resources available in the selected packages.

Evidence of Success:

By now, the five colleges have been registered under this scheme covering almost 5000 students and 400 teachers.

Problems Encountered and Resources Required

- As the scheme has been introduced recently, the expected membership could not be achieved.
- To propagate the utility of the scheme will take some time to reach to the desired target. It has been already uploaded on the University Library portal.
- The counselling to the students for use of the online ICT

2) Title of the Practice: Sustainability Assessment of Tree Species against Environmental Vagaries

Preamble:

It has been widely accepted that trees are vital for human as well as wildlife. Although the importance of habitats developed in dead and decaying wood has only recently attracted public attention. The wildlife value of trees can often be identified only with difficulty, so that expertise from the environmentalists and botanists may be required, especially with invertebrates, fungi, mosses and lichens. However, it is mandatory to plant trees and create green cover about 33% of total land available, in order to create good environment and obviously this restrict global warming. It is important that trees, especially 'veteran specimens' should not be felled unnecessarily. This may happen if decisions are made on the basis only of initial observations, such as the presence of fungal fruit bodies, rather than a detailed risk assessment. If there is a need to carry out other kinds of remedial work on veteran trees or other individuals of acknowledged wildlife value, it should be done with great care. There is a need to emphasise on the conservation of wildlife value of a tree. The safety inspections and remedial actions thereof should necessarily be undertaken for the ecological balance.

The choice of appropriate remedial action, such as judicious pruning or diversion of access routes can, however, often allow a tree to be retained with its associated habitats intact. Woodland managers are referred to publications by English Nature (Anon., 1996; Read, 2000) for further guidance on the recognition and management of veteran trees.

Objectives of the Practice:

- To find out the causes of tree fall
- To suggest the remedial measures

The Context:

The incidence of tree falling *en-mass* during 27th May; 7th June and 16th June, 2011 in the city of Amravati due to heavy storms, drastically affected the routine power system and life of the city. This incidence created a fearful situation amongst the citizens. To minimize the hazards due to heavy storms and through natural disaster, people rush to the municipal corporation in *en-masses* to cut down the trees near by their houses and road side. The Hon'ble Governor and the Chancellor of the universalities in the State, taking serious cognizance of this natural disastrous episode, constituted a committee of experts to probe into the issue and come forward with the very causes of such as tree fall on massive scale and provide remedial measures to minimize / to overcome this situation. The main objective was to preserve the environment and safeguard the lives of human being and the wild lives as well.

The Practice:

The systematic survey to find out the reasons by trained team was conducted to carry out further investigation. The scientific procedure is to remove all infected wood from the soil before planting new trees where previous *Ganoderma* infections occurred. However, the common practice of many growers is to shear *Ganoderma*-infected trees above the soil line, leaving the stump beneath. Under such circumstances, if the new saplings are planted in the infected soil, it definitely affects adversely the health of the plants.

Crown reduction of a well developed and mature trees be invariably done in a proper manner so as to balance the tree against such disasters conditions. The expert team of the university constituted for the purpose provides proper counseling and training to the persons from social forestry, municipal corporation and the concerned for scientific cutting of the branches.

The timely removal of tree guards is essential for the proper growth of the plants. It has been observed that the plants on the road side safeguarded by the tree guards made up of the steel mesh gets damaged with the scattered and broken pointed edges of the iron wires. In the name of beautification, over a period of time the popular practice of paving the cement blocks around the trees planted roadside has been widely witnessed. If the pits for plantation are prepared scientifically providing adequate space, it helps the plants grow naturally acquiring proper shape. The sharp edges of the pavers, cause damage and sometimes cut the trees restricting the plants to grow sans a rigid stembase. Such trees, normally may not survive under the stormy conditions.

In particular, trees should not be planted where they will eventually have to be heavily cut back to allow access; adequate space should be left between existing trees and new roads or buildings. Use of non-grafted specimens if feasible. Choice of suitable stock and scion are to be planted.

Evidence of Success:

The local Municipal bodies have taken the cognizance and adopted the policy to switch off the power supply when strong heavy rains and storms are taking place. Plantation on the road side has been done in a scientific manner as per directions of the tree authorities and environmentalists based on the guidelines issued by the committee of the University to overcome the mishaps during storms and heavy rainfall. The success of this practice is quite evident. During a span of four years, the percentage of tree fall has been reduced to a reasonably good extent. of the employees.

Problems Encountered and Resources Required

The baseline environmental data on weather parameters could not be procured as well as the census of the trees has not been properly maintained.