



Maharashtra Education Society's
ABASAHEB GARWARE COLLEGE
Karve Road, Pune 411004, Maharashtra State.

ANNUAL QUALITY ASSURANCE REPORT (AQAR)
FOR THE
ACADEMIC YEAR 2013-14

Submitted to:
National Assessment and Accreditation Council (NAAC)
P. O. Box 1075, Nagarbhavi, Bengaluru 560072, India

The Annual Quality Assurance Report (AQAR) of the IQAC 2013-14

Part – A

1. Details of the Institution

1.1	Name of the Institution:	MES Abasaheb Garware College
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1.2	Address	Karve Road.
	City / Town	Pune
	State	Maharashtra
	Pin Code	411004
	Institutional email address	agccomp@eth.net
	Contact Nos.	020-41038201; 020-41038200
	Name of the Head of the Institution	Dr. Shrikant G. Gupta
	Te. No. With STD Code	020-41038201
	Mobile	+91-9881300984
	Name of the IQAC Coordinator	Dr. B. D. Bhole.
	Mobile	+91-9970302467
	IQAC email address	agciqac@gmail.com

1.3	NAAC Track ID	Track ID: 09386 (EC date: 28/03/2010)
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1.4	Website address:	www.mesgarwarecollege.org
	Web-link of the AQAR:	http://www.mesgarwarecollege.org/IQAC/AQAR201213.pdf

1.5	Accreditation Details:				
Sr. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B+	-	2004	2004-10
2	2 nd Cycle	A	3.15	2010	2010-15

1.6	Date of Establishment of IQAC:	01 / 06 / 2002
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1.7	AQAR for the year:	2013-14
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1.8	Details of the previous years' AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC:	
	i) AQAR 2010-11	18.11.2011
	ii) AQAR 2011-12	28.09.2012
	iii) AQAR 2012-13	01.10.2014

1.9	Institutional Status
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University	State	<input checked="" type="checkbox"/>	Central	<input type="checkbox"/>	Deemed	<input type="checkbox"/>	Private	<input type="checkbox"/>
Affiliated College	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>				
Constituent College	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>				
Autonomous College of UGC	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Regulatory Agency approved Institution	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Type of Institution	Co-education	<input checked="" type="checkbox"/>	Men	<input type="checkbox"/>	Women	<input type="checkbox"/>		
	Urban	<input checked="" type="checkbox"/>	Rural	<input type="checkbox"/>	Tribal	<input type="checkbox"/>		
Financial Status	Grant-in-aid	<input type="checkbox"/>	UGC 2(f)	<input checked="" type="checkbox"/>	UGC 12B	<input checked="" type="checkbox"/>		
	Grant-in-aid + Self-financing	<input checked="" type="checkbox"/>	Totally self-financing	<input type="checkbox"/>				

1.10	Type of Faculty / Program
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Arts	<input checked="" type="checkbox"/>	Science	<input checked="" type="checkbox"/>	Commerce	<input type="checkbox"/>	Law	<input type="checkbox"/>	PEI (Phy.Edu.)	<input type="checkbox"/>
TEI (Edu)	<input type="checkbox"/>	Engineering	<input type="checkbox"/>	Health Science	<input type="checkbox"/>	Management	<input type="checkbox"/>		
Others	<input type="checkbox"/>								

1.11	Name of the Affiliating University	Savitribai Phule Pune University, Pune.
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1.12	Special status conferred by Central/ State Government: UGC/CSIR/DST/DBT/ICMR etc
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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 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)	<input type="checkbox"/>
UGC-COP Programmes	<input type="checkbox"/>		

2. IQAC Composition and Activities:

2.1	Number of teachers	6
2.2	Number of Administrative / Technical staff	6
2.3	Number of students	0
2.4	Number of Management representatives	2
2.5	Number of Alumni	0
2.6	Number of any other stakeholder and community representatives	3
2.7	Number of Employers / Industrialists	0
2.8	Number of External Experts	1
2.9	Total Number of Members	18
2.10	Number of IQAC meetings held	3
2.11	Number of meetings with various stakeholders	2

Faculty ☒ Non-Teaching Staff ☐ Students ☐

Alumni ☐ Any others ☐

2.12 Has IQAC received any funding from UGC during the year? Yes ☒ No ☐

If yes, mention the amount.

Rs. 3,00,000/=

2.13 Seminars and Conferences (only quality related)

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

Total Number International National State Institution Level

(ii) Themes:

1. Scientific Report Writing Workshop for Students
2. Research Project Presentations by Teachers

2.14 Significant Activities and contributions made by IQAC

1. The IQAC continued with its activities.
2. Organization of Research Conferences.

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
<ul style="list-style-type: none"> To hold Workshops for Students. To sensitize stakeholders to NAAC reaccréditation To compile the research output of the college and publish it as <i>R'Search@AGC</i> To initiate Academic Audit, Gender Audit for the college. 	<ul style="list-style-type: none"> A workshop was held successfully. Meetings with stakeholders were held. The <i>R'Search@AGC</i> (2013-14) was published successfully. The IQAC discussed the matter and concluded that this activity should be initiated in 2014-15. A committee comprised of teachers and members of the LMC was proposed. A plan was defined.

** Academic Calendar of the year attached as Annexure 1.*

2.16	Whether the AQAR was placed in statutory body	Yes	✓	No	
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Management	✓	Syndicate		Any other Body	
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Provide the details of the action taken

- The AQAR (2013-14) was prepared with the help of the AQAR Committee of the College.
- The compiled AQAR was discussed at the IQAC Meeting.
- A draft copy of the AQAR was sent to the Local Management Committee (LMC) for reference and approval.
- The AQAR was then posted on the college website and submitted to NAAC.

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
Ph.D.	6	0	0	0
PG	18	0	2	0
UG	20	0	2	0
PG Diploma	1	0	1	0
Advanced Diploma	0	0	0	0
Diploma	0	0	0	0
Certificate	2	0	2	0
Others	1	0	0	0
Total	49	0	5	0

Interdisciplinary	2	0	2	0
Innovative	0	0	0	0

UG Arts	11
UG Science	10
PG Arts	9
PG Science	9
M.Phil. Arts	1
M.Phil. Science	0
Ph.D. Arts	2
Ph.D. Science	4
PGDFT	1
Certificate courses	2
Total	49

1.2

- (i) Flexibility of the Curriculum: CBCS & Core
 (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	28
Trimester	00
Annual	11

1.3

Feedback from stakeholders*

Alumni ☐ Parents ☐ Employers ☐ Students ☒

Mode of feedback: Online ☐ Manual ☒

* . *Analysis of feedback (2013-2014) – Annexure 2*

Summary of Feedback on teachers

Grade	Score	Number of teachers	% of teachers
FACULTY OF SCIENCE			
Excellent	90-100	35	18.82
Good	70-89.99	147	79.03
Average	50-69.99	3	1.61
Below Average	30 – 49.99	1	0.54
Total		186	100
FACULTY OF ARTS			
Excellent	90-100	32	68.09
Good	70-89.99	15	31.91
Total		47	100

1.4

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

- Syllabus for UG classes has been updated for Second Year for all subjects (as per directives of the University of Pune).

1.5

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

NIL

Criterion – II: Teaching, Learning and Evaluation

2.1	Permanent Faculty:	Total	Assistant Professors	Associate Professors	Professors	Others
	Grant	91	52	37	1	1
	Non-Grant	17	-	-	-	-
	Total	108	52	37	1	51

2.2	Number of Permanent Faculty with Ph.D.	64 (G+NG)
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2.3	Number of Faculty Positions Recruited (R) and Vacant (V) during the year	Associate Professors & Assistant Professors		Professors		Others		Total	
		R	V	R	V	R	V	R	V
	Grant-in-Aid	0	17	0	0	16	0	16	0
	Non-Grant	-	-	-	-	-	-	34	0

2.4	Number of Guest, Visiting and Temporary Faculty	15	30	65
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2.5 Faculty participation in conferences and symposia:

Number of Faculty	International level	National level	State level
Attended Seminars/	9	17	5
Presented papers	21	40	3
Resource Persons	2	13	13

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

Android Application Development Lecture Series organized by the Department of Computer Science. The objective of this practice is to assist our students in learning latest technologies before they get into the industry. Experts, Mr. Anay Tamhankar and Mr. Ganesh Tikone, from the IT industry were invited to conduct this lecture series.

2.7 Total Number of actual teaching days during this academic year 239

2.8 Examination/ Evaluation Reforms initiated by the Institution (e.g. Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online MCQs)

- Open Book Tests.

2.9 Number of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop 6 13 14

2.10 Average percentage of attendance of students 68%

2.11 Course / Program wise distribution of pass percentage:

Program	Course	Total Number of students appeared	Division			
			Distinction Nos. (%)	1st Class Nos. (%)	2nd Class Nos. (%)	Pass Class Nos. (%)
ARTS FACULTY : UNDERGRADUATE PROGRAMS						
B.A. Economics	UG	27	0 (0)	6 (22)	14 (52)	1 (4)
B.A. English	UG	13	0 (0)	6 (46)	3 (23)	0 (0)
B.A.Geography	UG	26	8 (31)	5 (19)	6 (23)	2 (8)
B.A. Hindi	UG	17	1 (6)	7 (41)	5 (29)	1 (6)
B.A. History	UG	28	4 (14)	9 (32)	5 (18)	2 (7)
B.A. Marathi	UG	7	1 (14)	0 (0)	1 (14)	0 (0)
B.A. Psychology	UG	15	0 (0)	6 (40)	6 (4)	3 (20)
B.A. Sociology	UG	31	0 (0)	2 (6)	13 (42)	5 (16)
B.A. Political Science	UG	33	9 (27)	11 (33)	8 (24)	3 (9)
ARTS FACULTY : POSTGRADUATE PROGRAMS						
M.A. Economics	PG	41	0 (0)	14 (34)	23 (56)	1 (2)
M.A. English	PG	28	0 (0)	2 (7)	12 (43)	1 (4)
M.A. Hindi	PG	26	11 (42)	0 (0)	8 (31)	7 (27)
M.A. History	PG	45	2 (4)	25 (56)	12 (27)	0 (0)
M.A. Marathi	PG	13	2 (15)	6 (46)	4 (31)	1 (8)
M.A. Journalism	PG	25	0 (0)	15 (60)	8 (32)	1 (4)
M.A. Psychology	PG	12	1 (8.3)	5 (41.6)	3 (25)	1 (8.3)
M.A. Political Science	PG	52	4 (8)	39 (75)	4 (8)	1 (2)

Program	Course	Total Number of students appeared	Division			
			Distinction Nos. (%)	1st Class Nos. (%)	2nd Class Nos. (%)	Pass Class Nos. (%)
SCIENCE FACULTY : UNDERGRADUATE PROGRAMS						
B.Sc. Biotechnology	UG	32	3 (9)	21 (66)	6 (19)	1 (3)
B.Sc. Botany	UG	22	6 (27)	10 (45)	4 (18)	1 (5)
B.Sc. Chemistry	UG	50	6 (12)	19 (38)	5 (10)	0 (0)
B.Sc. Industrial Chemistry	UG	8	5 (63)	2 (25)	1 (13)	0 (0)
B.Sc. Computer Science	UG	69	8 (12)	15 (22)	18 (26)	4 (6)
B.Sc. Electronic Science	UG	15	6 (40)	8 (53)	0 (0)	0 (0)
B.Sc. Microbiology	UG	38	10 (26)	15 (39)	9 (24)	0 (0)
B.Sc. Industrial Microbiology	UG	37	11 (30)	13 (35)	11 (30)	0 (0)
B.Sc. Mathematics	UG	41	20 (49)	7 (17)	0 (0)	0 (0)
B.Sc. Physics	UG	37	14 (38)	10 (27)	2 (5)	0 (0)
B.Sc. Statistics	UG	25	11 (44)	4 (16)	5 (20)	0 (0)
B.Sc. Zoology	UG	40	15 (38)	12 (30)	11 (28)	0 (0)
SCIENCE FACULTY : POSTGRADUATE PROGRAMS						
B. Lib.	PG	21	2 (10)	5 (24)	1 (5)	8 (38)
M.Lib	PG	15	6 (40)	2 (13)	7 (47)	0 (0)
M.Sc. Biodiversity	PG	17	0 (0)	6 (35)	4 (24)	0 (0)
M.Sc. Biotechnology	PG	25	4 (16)	11 (44)	7 (28)	0 (0)
M.Sc. Analytical Chemistry	PG	10	0 (0)	3 (30)	4 (40)	0 (0)
M.Sc. Organic Chemistry	PG	20	6 (30)	8 (40)	2 (10)	0 (0)
M.Sc. Computer Science	PG	66	7 (11)	23 (35)	25 (38)	2 (3)
MCA	PG	28	4 (14)	15 (54)	6 (21)	1 (4)
M.Sc. Electronic Science	PG	23	1 (4)	16 (70)	6 (26)	0 (0)
M.Sc. Microbiology	PG	22	0 (0)	7 (32)	8 (36)	0 (0)
M.Sc. Physics	PG	25	0 (0)	15 (60)	8 (32)	1 (4)

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

- The teaching-learning process in the college is monitored by the Heads of Departments. The IQAC monitors the different committees formed to execute matters such as Timetables, Examinations, Assessment schedules and Revaluation of answer papers. These committees report directly to the Chairperson of the IQAC (Principal of the College). The IQAC Coordinator is usually involved in meetings concerning these issues.
- Teacher evaluations (UGC API for CAS) are a purview of the IQAC. Any guidance required in this matter is referred to the IQAC.
- Examination results are compiled, evaluated and informed to the Principal at the end of the year. Interventions regarding improvement are made accordingly.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programs	Number of Faculty benefitted
Refresher courses	8
UGC – Faculty Improvement Program	0
HRD programmes	0
Orientation programmes	5
Faculty exchange programme	0
Staff training conducted by the university	2
Staff training conducted by other institutions	1
Summer / Winter schools, Workshops, etc.	0
Others	0
TOTAL	16

Sr. No.	Name of Teacher	Course	Place	Level	Institution	Dates
1	Mrs. Swati Jadhav	Refresher course in Computer Application	Dept. of Statistics, University of Pune	University	University of Pune	11/11/2013 to 01/12/2013
2	Mrs. Sampada Vaishampayan	Refresher course in Computer Application	Dept. of Statistics, University of Pune	University	University of Pune	11/11/2013 to 01/12/2013
3	Mrs. Yogeshri Gaidhani	Refresher course in Computer Application	Dept. of Statistics, University of Pune	University	University of Pune	11/11/2013 to 01/12/2013
4	Dr. N.D. Ade	Refresher Course in Economics	Academic Staff College, Goa University	University	University of Goa	07/03/14 to 28/03/14
5	Dr. A. P. Kulkarni	Capacity Building Programme for Faculty in Social Sciences	Indian Institute of Education	National	Indian Institute of Education, Pune	6/1/14 to 9/1/14
6	Mr. Avinash Shelar	Refresher program in Earth Sciences	Department of Geography, Pune University	National Level	Department of Geography, Pune University	11/10/13 to 30/10/13
7	Dr. Varsha Todmal	I C T in Language	UOP	University	UOP	3/1/14 to 23/1/14

8	Mr. R. S. Patil	16th Orientation Program	North Bengal University	National	North Bengal University, Siliguri	4/12/2013 to 31/12/2013
9	Mr. M. B. Kute	16th Orientation Program	North Bengal University	National	North Bengal University, Siliguri	4/12/2013 to 31/12/2013
10	Dr. Chetana Desai	Capacity Building Training Programme	ICSSR and University of Pune	National	University of Pune	
11	Mr. Amita C. Naik	Refresher course in Environmental Sciences.	Jawaharlal Nehru University, New Delhi.	International level	New Delhi	9/2/14 to 7/3/14
12	Mr. A. S. Khairnar	Refresher Course	ASC University of Mumbai	National	Mumbai	20/11/13 to 10/12/14
13	Mr. K. D. Masalkar	Refresher Course	ASC University of Pune	National	Pune	11/11/2013 to 01/12/2013
14	Ms. A. B. Watekar	Orientation Course	ASC University of Pune	National	Pune	3/10/13 to 30/10/13
15	Mr. V. R. Landge	Orientation Course	ASC Goa	National	University of Goa	
16	Dr. N. P. Patil	Orientation Course	ASC BAMU	National	Aurangabad	4/12/13 to 28/12/13

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	96	22	0	0
Technical Staff	0	0	0	0

Criterion – III: Research, Consultancy and Extension

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

- Research has always been one of the strengths of the college.
- The Research Committee has been strengthened and active researchers included in this Committee.
- All research proposals are screened, approved and submitted to various funding agencies (UGC, University of Pune, DST, ICMR and ISRO) for financial support.
- To consolidate the research output, the IQAC publishes *R'Search@AGC*, in which all the research of the college is presented in concise form.
- To supplement research facilities, laboratories are continuously upgraded.
- The Research Committee organizes research work presentations of teachers /students.

3.2 Details regarding major projects:

	Ongoing	Sanctioned	Submitted
Number	6	2	8
Outlay in Rs. (Lakhs)	55.84	27.88	160

3.3 Details regarding minor projects:

	Completed	Ongoing	Sanctioned	Submitted
Number	7	10	3	14
Outlay in Rs. (Lakhs)	11.04	14.85	6.25	42

3.4 Details of research publications:

	International	National	Others
Peer Reviewed Journals	33	6	1
Non-Peer Review Journals	-	-	-
e-Journals	-	-	1
Conference proceedings	-	69	-

Papers Presented 32

Student Presentations 14

3.5 Details on Impact factor of publications:

Range	0.425 to 3.7	Average	1.41	h-index	-	Nos. In SCOPUS	71
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3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration / Year	Name of Funding Agency	Total Grant sanctioned (Rs. In Lakhs)	Received
Major projects	2011-17	MoEF, ISRO, CSIR DST, UGC, ICMR	83.72	50.13
Minor Projects	2011-13	BCUD (UoP); UGC	21.10	12.58
Interdisciplinary Projects	2011-13	Forest Dept.; UGC	5.03	5.03
Industry sponsored	2013-14	Sula Vineyards	1.20	1.20
Projects sponsored by the University/ College	Included among the above			
Students research projects (other than compulsory by the University)	-	-	-	-
Any other(Specify)	-	-	-	-
Total			111.05	62.66

3.7 Number of Books published (i) With ISBN No. 28 Chapters in Edited Books 13

(ii) Without ISBN No. 2

3.8 Number of **University Departments** receiving funds from: **Not applicable**

UGC-SAP	<input type="text"/>	CAS	<input type="text"/>	DST-FIST	<input type="text"/>
DPE	<input type="text"/>	DBT Star Scheme/Funds	<input type="text"/>		

3.9 Number of **University Departments** receiving funds from: *Not applicable*

Autonomy CPE DBT Star Scheme
INSPIRE CE Other

3.10 Revenue generated through consultancy

3.11 Number of Conferences organized by the Institution:

Level	International	National	State	University	College
Number		5	1	3	1
Sponsoring Agencies		BCUD (SPPU), UGC, BharatiyaBhashaNyasa, Hindi Sahitya Akademi Vasundhara FilmFestival - Kirkloskars, Lokayat, Maharashtra Forest Dept.	BCUD SPPU	BCUD SPPU	BCUD SPPU

3.12 Number of faculty served as experts, chairpersons or resource persons

3.13 Number of collaborations International National Other

3.14 Number of linkages created during this year
Sula wines

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

From Funding Agencies From Management of College
Total

3.16 Number of Patents received this year : NIL

3.17 Number of research awards / recognitions received by faculty and research fellows of the institution in the year:

Total	International	National	State	University	District	College
5	0	5	4	0	0	0

3.18 Number of Faculty from the Institution:

Who are Ph.D. Guides

And students registered under them

3.19 Number of Ph.D. awarded by Faculty from the Institution

Dr. Neha Deshpande, Dr. Supriya Patil (Department of Electronic Science)
Dr. S. M. Motegaonkar (Department of Economics)

3.20 Number of research scholars receiving Fellowships (newly enrolled + Existing ones)

JRF SRF Project Fellows Other

3.21 Number of students who participated in NSS events:

University Level State Level

National Level International Level

3.22 Number of students who participated in NCC events:

University Level State Level

National Level International Level

3.23 Number of awards won in NSS:

University Level State Level

National Level International Level

3.24 Number of awards won in NCC:

University Level State Level

National Level International Level

3.25 Number of Extension activities organized:

University forum College forum

NCC NSS Other

YRC = 3; Vidyarthini Manch = 1; NSS = 4; Staff Academy = 2; Nirbhaya = 2; Soft Skills = 1;

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

NCC tree plantation
NSS Village development
Ganapati Police Mitra
Traffic Awareness Program
Student Interaction With Local Police on Tackling eve-teasing
Self Defence Workshop for Girl Students
Savitribai Phule Debate Competition

Criterion – IV: Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Funding	Total
Campus area	8 acres	0	Not applicable	8 acres
Class rooms	42	0	0	0
Laboratories	40	1	0	0
Seminar Halls	2	0	0	0
No. of important equipments purchased (≥ 1 -0 lakh) during the current year.	5	5	College, DST-FIST, DST Scheme	10
Value of the equipment purchased during the year (Rs. in Lakhs)	19.08	19.52	College, DST-FIST, DST Scheme	38.6
Others	-	-	-	-

4.2 Computerization of administration and library

- The college office has strengthened the use of the *Vruddhi* software (management of the data regarding students, teachers, all Government Resolutions, roll calls, etc.).
- On-line admission applications for the postgraduate courses have been simplified using software and support provided by *EDUBRAIN*.
- The Library is making efficient use of its *SLIM* software for accession records and inventory.

4.3 Library services:

	Existing		Newly added		Total	
	Nos.	Value	Nos.	Value	Nos.	Value
Text Books	114	18,814/-	183	27,769/-	297	46,583/-
Reference Books	1618	6,91,649/-	1010	4,58,585/-	2628	11,50,234/-
e-books	N-List 97000	5000/-	N-List 97001	5000/-	N-List 97001	10,000/-
Journals	178	72,878/-	182	73,075/-	360	1,45,953/-
e-journals	N-List 6000	5000/-	N-List 6001	5000/-	N-List 6001	10,000/-
Digital database	N-List	5000/-	N-List	5000/-	N-List	10,000/-
CDs & Videos	97	11,282/-	27	4,910/-	124	16192/-
Others (specify)	-	-	-	-	-	-

4.4	Technology up-gradation (overall):
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	Total Computers	Computer Labs.	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	333	9	3	6	-	33	283	17
Added	39	0	0	0	-	8	28	3
Total	372	9	3	6	-	41	311	20

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

4.6	Amount spent on maintenance in Rs. (Lakhs):
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(i)	ICT	1.53
(ii)	Campus Infrastructure and facilities	4.74
(iii)	Equipments	0.65
(iv)	Others	0
Total:		6.92

Criterion – V: Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- The IQAC in conjunction with the college office discussed the enhancement of student support services, including smoother admission processes, library facilities, examination procedures, canteen facilities, etc.
- These discussions have led to:
 - Awareness regarding prevention of sexual harassment on campus.
 - Refinement of admission procedures (on-line).
 - The Canteen contractor was changed as a result of complaints from students against the previous contractor.

5.2 Efforts made by the institution for tracking the progression

Progression is tracked department-wise for postgraduate departments.

5.3 (a) Total Number of students

UG	PG	Ph.D.	Others
2545	1175	0	53

(b) Number of students from outside States

G=15
NG =
107

(c) Number of International students

G = 5
NG =
18

	Number	%
Men	1909	50.4

	Number	%
Women	1882	49.6

Last year (2012-13)						This year (2013-14)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
2077	470	135	522	-	3204	2219	476	166	574	-	3435

Demand ratio 1:1

Dropout % 0

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

The Competitive Examination Centre has been conducting the programme for the last several years. Dr. Hari Pawar conducted the coaching for the competitive examinations this year. The period of coaching was between 12/08/2013 to 23/02/2014. Nine teachers coached our students during this period. 183 students participated in the program. 106 reserved category students (OBC=33, SC=40, ST=4, NT=29), and 77 General category students constituted the batch for 2013-2014.

Number of student beneficiaries:	183
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5.5 Number of students who qualified in these examinations:

NET	6	SET / SLET	10	GATE	6	CAT	0
IAS / IPS etc.	-	State PSC	-	UPSC	-	Others	10

5.6 Details of student counselling and career guidance

Every year the Psychology department does testing for career guidance. Students visit the departments along with their parents. The activities that are carried out are as follows. 1. Counselling 2. Psychological testing 3. Career guidance 4. Counselling after testing for students aptitude 5. Problem solving guidance.

Number of students benefited:	20
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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
16	Approx. 100	59	Nil

5.8 Details of gender sensitization programs:

Gender sensitization programs, especially for lady students is conducted through:

- *Vidyarthini Manch* (which conducted 2 programs on gender sensitization)
- *Nirbhaya* (which conducted 2 programs regarding prevention of sexual harassment on campus)

5.9. Students Activities

5.9.1 Number of students participated in Sports, Games and other events:

State / University Level National Level International Level

Number of students participated in cultural events:

State / University Level National Level International Level

5.9.2 Number 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 (Rs.)
Financial support from institution	73	52,175/-
Financial support from government	739	45,57,790/-
Financial support from other sources	25	65,000/-
Number of students who received International / National recognitions	0	0

5.11 Student organized / initiatives:

Fairs:

State / University Level National Level International Level

Exhibitions:

State / University Level National Level International Level

5.12	Number of social initiatives undertaken by the students:	5
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Youth Red Cross activities:

River cleaning activity (Mula-Mutha)	30 students
Disaster Management Camp	12 students

NSS:

Village developmental activities
Rice Plantation
Volunteering as *Police Mitra* in the Ganesh Immersion Procession.

5.13	Major grievances of students (if any) redressed:
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In the academic year 2013-14, **seven students' grievances were received and addressed.** The grievances were mainly regarding **library facilities, behavior and response of office staff towards students, cleanliness of classrooms, washroom and other facilities, etc.**

These grievances were redressed by: giving instruction to library and office staff for better service to students, hiring services for maintaining hygienic conditions in the college, improvement of the infrastructure, repairs, etc. respectively. Few complaints were related with the teaching faculty about insincerity in work, teaching inabilities, and noncooperation. To address these issues, roll-calls for all classes from all teachers are collected and being analyzed. A feedback on all teachers from all students is taken and sent for analysis to the experts. The outcome will be conveyed to the concerned teachers and an improvement and better performance of these teachers is expected. Further measures will be taken to improve the working of college with regards to library facilities, examination system, campus maintenance and following of healthy practices.

Criterion – VI: Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Our mission as an educational institution is to impart higher education for the development of academic excellence, character and personality of students; with a broader perspective of social, national, environmental and global commitment.

The objectives outlined are:

- To equip students with the necessary skills to compete in a technologically advanced global scenario.
- To provide an academic environment that reinforces appropriate social and cultural values.
- To provide research facilities which would promote the exploration in core areas related to traditional and contemporary fields of study.
- To provide value addition through co-curricular and extra-curricular activities.
- To enhance character development leading to national and global perspectives.
- To make education accessible to all sections of society.
- To sensitize students regarding environmental issues.

6.2 Does the Institution have a management Information System : **YES**

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

6.3.1 Curriculum development:

Teachers of the college were involved in curriculum development. The syllabus restructuring process for the Second Year courses of the Savitribai Phule Pune University was done this year. Teachers were involved at the Board of Studies and Resource Persons at Syllabus Detailing Workshops.

6.3.2 Teaching and Learning:

- The Credit and Semester System initiated last year was continued smoothly this year. Teachers of the college adapted the system successfully. At the undergraduate level experiential learning was also encouraged through interactions with persons from industry. Students were encouraged to participate in State Level and University level competitions, such as State Level Quiz and Debate competitions. Interactive sessions with outside

experts through several programs (soft-skill development, elocutions and debates and interactions with scientists and academicians through different forums conducted by the college) were continued regularly to broaden students' perspective outside the common curriculum or prescribed syllabus.

6.3.3 Examination and Evaluation

Teachers assess students in their own innovative manner through extra tests, quizzes, group discussions, seminar presentations, etc. at the departmental level. These exercises are conducted routinely.

6.3.4 Research and Development

- Students are encouraged to participate in research oriented activities. Students assist their teachers in their research project work. Students are also encouraged to participate in State level research competitions such as the *AVISHKAR* (a research project competition conducted at the State level through the respective Universities).
- Teachers this year have continued to submit research proposals and procure funding from the UGC, the University and other funding agencies. This trend has seen an increase this year.
- In terms of infrastructure development, the college has increased infrastructure through sanctioning two research laboratories (Chemistry and Microbiology).

6.3.5 Library, ICT and physical infrastructure / instrumentation

- With the intention of creating on-line library access to all stakeholders, the Librarian has initiated this access through providing passwords to each department to check library books and their availability.
- Instrumentation has also continued to increase this year also.

6.3.6 Human Resource Management

- Interdepartmental transfers of non-teaching staff are necessitated to encourage gathering of work experience in all areas / departments. Such transfers are regulated by the Principal and the Registrar.
- Teacher performances (especially those appointed for the self-financed programs) are assessed by the Principal and higher management. Teachers present their work. Depending on this, decisions are made to continue the appointment of these teachers.
- Those teachers appointed for the Grant-in-aid courses and those who are in the probation period are also assessed for their annual performances before continuing their sources.

6.3.7 Faculty and Staff recruitment

- The college has initiated the process of appointing administrative and other non-teaching staff this year. The Roster has been updated and presented to the University and State Government.

6.3.8 Industry Interaction / Collaboration

- Interactions and collaborations are facilitated through research projects and consultancy. Special Lectures, Memorial Lectures and alumni in industry, who help the institution with placement or counselling.

6.3.9 Admission of Students

- Since student strength has not been a major problem for the college, strategy changes have not been necessary.
- On-line applications are now routinely used.

6.4 Welfare schemes for

Teachers	*
Non teaching staff	*
Students	✓**

*. Teachers and non-teaching staff have the option of loans from the Maharashtra Education Society's Credit Society, which has been constituted for the purpose.

**. Students' welfare schemes include the GOI Scholarships and Freeships, and endowment prizes.

6.5 Total corpus fund generated

Not applicable

6.6 Whether annual financial audit has been done

Yes

✓

No

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

Audit Type	External		Internal	
	Yes	No	Yes	No
Academic	✓			
Administrative	✓		✓	

6.8 Does the University declare results within 30 days?

For UG Programs Yes No ☒

For PG Programs Yes No ☒

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

Not applicable

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

Not applicable

6.11 Activities and support from the Alumni Association.

The Alumni activities are supported and conducted at the Departmental level. The department of Biotechnology conducted alumni activities during this academic year.

6.12 Activities and support from the Parent – Teacher Association.

Parent-Teacher meetings / activities are supported and conducted at the Departmental level. The following departments conducted Parent-Teacher meetings during this academic year:

1. Biotech:
2. Botany:
3. Chemistry:
4. Economics
5. Electronics
6. Hindi
7. Zoology

6.13 Development programs for support staff: Nil

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

- Eco-friendly measures include:
- Green campus
 - 'Clean' generators for power back-up
 - Vermicomposting of hostel waste

Criterion – VII: 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.

Android Application Development Lecture Series organized by the Department of Computer Science. The objective of this practice is to assist our students in learning latest technologies before they get into the industry. Experts, **Mr. Anay Tamhankar and Mr. Ganesh Tikone**, from the IT industry were invited to conduct this lecture series.

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

- This year, the IQAC has conducted meetings to design and plan the path towards the 3rd Cycle of Accreditation. The self-assessment of the college has been done using the a framework similar to that used by the NAAC Peer Team (based on Key Aspects). The areas where improvement have been identified. The college has decided on focusing on increasing good practices.
- Continuation of Best Practices has been stressed upon to encourage continuity of the Practice.

7.3 Two Best Practices of the institution: **Annexure 3**

• Pre-Placement Preparation Activity	Computer Science Department
• Design and Fabrication of Circuit Boards required for Laboratory Sessions	Electronic Science Department

7.4 Contribution to environmental awareness / protection

- Environmental Awareness course (Graded) as prescribed by the University.
- Food waste vermin-composting of the Hostel eatery waste.

7.5 Whether environmental audit was conducted?

Yes

No



7.6	Any other relevant information the institution wishes to add (for example SWOC analysis)
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SWOC of the College:

Strengths:

- Research Centres and researchers with large number of research projects and publications.
- State-of-the art of research laboratories in Physical, Chemical and Biological sciences.

Weakness:

- Restricted space for infrastructural expansion

Opportunities:

- Design and operate interdisciplinary and on-line courses.

Challenges:

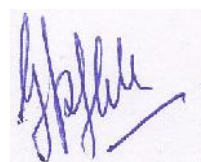
- Enhancing teaching-learning practices to support placement and progression of students.

8. Plans of institution for next year

- Preparations for the upcoming 3rd Cycle of NAAC Reaccreditation of the College.
- Continuation of Best Practices.
- Conducting academic and gender audits.
- Campus development program.



Dr. B. D. Bhole
Coordinator, IQAC



Dr. Shrikant G. Gupta
Chairperson, IQAC

ANNEXURE 1: ACADEMIC CALENDAR 2013-14

Month	Activity
May 2013	Advertisements for B.Sc. & M.Sc. Admissions (Newspapers & College Website) Printing of Admission Forms for B.Sc. & M.Sc.
June 2013	Publication and distribution of Timetables (2012-13) Results of 12 th Standard Admissions for UG classes Declaration of Results by the University Commencement of UG classes
July 2013	Admissions for PG classes Submission of proposals to BCUD (SSPU) Photograph Session for all New College Committees
August 2013	<i>IQAC Meeting</i> Compilation of Students Results for 2012-13 Commencement of PG classes University Paper setting (UG)
September 2013	Internal Examination for BSc Academic Awards Function
October 2013	Internal Examinations for PG Commencement of University Examinations (UG)
Oct.-Nov. 2013	Diwali Vacation
November 2013	Commencement of 2 nd Term (UG) MSc Practical Examination (Some subjects)
January 2014	Commencement of MSc Sem II / IV <i>AGAM Kala Mandal</i> Annual Program <i>IQAC Meeting</i> Seminars & Workshops (BCUD Sponsored)
February 2014	Sports Day Internal Examination for UG classes Submission of Expenses for the Departments Collection of information for <i>AGAM Magazine</i>
March 2014	<i>IQAC Meeting for all staff (orientation for accreditation)</i> Internal Examinations for PG classes University Examination for UG classes
April 2014	End of academic year
May 2014	University Examination for PG

- **Activities of the Depts. / Departmental Associations: (as an when planned during the academic year)**

<ul style="list-style-type: none"> ○ ELMASSO (Electronic Science) ○ PHYL79 (Physics) ○ SNMO (Microbiology Aug 24) ○ MICROFEST (Microbiology) ○ BIOTECHFEST (Biotechnology) ○ Patanjali (Marathi, Psychology) 	<ul style="list-style-type: none"> ○ Chemistry Students Assocr. ○ Dr. M. J. Pujari Lecture & Project Competitions (Chemistry & Computer Science) ○ Parent-Teacher Meetings ○ Alumni Meetings ○ Granthutsav (Library)
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ANNEXURE 2: Report of Analysis of Teachers' Feedback from Students
Academic Year 2013-14

The feedback of students about their teachers was taken for the year 2013-14 was taken from the students of UG and PG courses of the following subjects:

Science: Chemistry, Physics, Electronic Science, Botany, Zoology, Mathematics, Statistics, Microbiology, Biotechnology and Computer Science.

Arts: Hindi, Economics, Political Science, Sociology, Psychology, Mass Communication & Journalism and Geography.

The statistical analysis was carried out for each question, for each factor and the total score for each teacher was calculated.

Science:

<i>Grade</i>	<i>Score</i>	<i>Number of teachers</i>	<i>Percent of Teachers</i>
Excellent	90 – 100	35	18.82
Good	70 – 89.99	147	70.03
Average	50 – 69.99	3	1.61
Below Average	30 – 49.99	1	0.54
	Total	186	100

Average Score: 84.63
Highest Score: 97.091

Grade: Good
Teacher: Mr. Ajit Sathe (Microbiology)

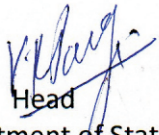
Arts:

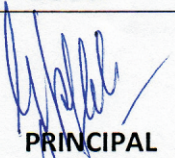
<i>Grade</i>	<i>Score</i>	<i>Number of teachers</i>	<i>Percent of Teachers</i>
Excellent	90 – 100	32	68.09
Good	70 – 89.99	15	31.91
	Total	47	100

Average Score: 91.97
Highest Score: 99.069

Grade: Excellent
Teacher: Dr. Chetana Desai (Sociology)

Overall Average Score (Science & Arts):	85.34
Overall Grade (Science & Arts):	Good


Head
Department of Statistics
Abasaheb Garware College
Pune -4


PRINCIPAL
Abasaheb Garware College
Pune -4

ANNEXURE 3: BEST PRACTICES

1 : Pre-Placement Preparation Activity

Goal:	<ul style="list-style-type: none"> To assist students develop/clarify their academic and career interests, and to set their short and long-term goals. To assist students develop and implement successful job search strategies. To empower students with life-long career decision-making skills. Upgradation of the students communication skills and personality development by inviting experts from outside for seminars/classes. To assist our students in obtaining final placement in reputed companies.
The Context:	The Placement Cell of the college is well organized and facilitates the employment of students in participating companies and industries. In an effort to prepare to students for the placement camps / sessions, the Computer Science Department has initiated this activity.
The Practice:	<ul style="list-style-type: none"> Teachers of the Computer Science Department conduct sessions on various subjects such as C, C++, DS, OS, UML Diagrams, Databases etc. and also conduct tests on the same. Experts from the Information Technology sector are invited to conduct series of lectures on current trends in Information Technology and what exactly industry requirements and expectations are needed from new recruits. Details of the sessions conducted this year are given below.

Sr. No.	Name of the Resource Person	Organization	Topic
1.	Mr. Parag Tamhankar	Computer Science Dept., Abasaheb Garware College.	C, C++, Data Structures, Operating Systems
2.	Ms. Rasika Deshmukh	Computer Science Dept. , Abasaheb Garware College.	SQL queries, UML diagrams
3.	Mr. Nitin Kulkarni	Symantec	C, Data structures
4.	Mr. Ajay Shinde	Quick Heal	C Programming
5.	Mr. Nitin Kulkarni	Symantec	Conducted test on C and C++
6	Mr. Navin Kabra	Punetech Software Pvt. Ltd.	Technical Aptitude

Evidence of Success	The evidence of success of this program is the successful placement of nearly 60% students in different companies. The total number of companies that came to the campus has increased significantly this year. In all 16 companies visited the campus this year.
Problems Encountered and Resources Required	No problems were encountered in conducting this activity. However, with proper organization, we hope to increase this activity by widening the scope of the topics to include other skill sets.
Contact Details:	Name of the Department: Computer Science Name of the Head of Department: Mrs. Chitra V. Nagarkar E-mail of Head of Department: chitra.nagarkar@mesagc.org Cell phone number of the Head of Department: 09850980511

2: Design and fabrication of circuit boards required for practical sessions.

Goal:

The aim of this practice is to design and construct circuit boards in-house. These boards routinely required for different experiments for practical sessions of all classes at the undergraduate level. This activity is continual and additional components / features are added as per the requirement of the experiment. Design and development such boards definitely inculcates the feeling of belonging and responsibility. It also enriches the practical knowledge of the teachers as well as the laboratory supervisors. This activity is definitely value addition for the department as all the staff members are proactively involved in it.

The Context:

Circuit boards are an integral part of the laboratory sessions for Electronic Science. These boards are normally purchased from different agencies and there is little scope for alterations in the commercially available circuit boards. Minor changes, if required, necessitate the purchase of new boards. Designing and constructing the boards in-house therefore, not only reduces cost, but also allows students to undergo experiential learning. The challenges in conducting this activity are:

- a. Availability of the different tools required for fabrication
- b. Mounting the components
- c. Making the board student friendly
- d. Replacement facility for the components

These boards have to be prepared by considering the level of the students and class of the students for which it is designed. For example, for the F. Y. B. Sc. students who are new to the subject, the board should be of basic nature and similar to the circuit diagram they study, while for S. Y. B. Sc. and T. Y. B. Sc. students, the objective is to develop their practical skills.

Sometimes students are asked to build the circuit on their own and make it work as per the specified requirements. Students of all three classes get more familiar with components and soldering skills due to this. They can even debug the problems if required.

The Practice:

The activity is carried out in following way:

1. A list of experiments is prepared for which the boards are to be designed.
2. The teacher designs the circuit and understands its feasibility and working principle.
3. The circuit is then tested with designed components on breadboard and check whether any change is required in designed values.
4. Once the circuit is finalized, the teacher decides the appearance of the board considering the following

aspects.

- a. The class for which it is to be designed.
- b. The placement of components.
- c. The size of the wooden board on which the components are to be mounted.
- d. Number of connecting terminals required.
- e. Requirement of display devices and their place of mounting.

5. Preparation of the boards:

- a. The circuit diagram is drawn on the board considering different positions of the components on the board.
- b. The components are mounted on the upper surface of the board and all the interconnections are done from behind the board.
- c. Then it is made user friendly by writing the values and names of the components as per the circuit diagram.
- d. The board is then fabricated using the drilling machine and other tools like soldering gun, flux wire, etc.
- e. Once the board is prepared, it is tested for the working.
- f. Then the practical sheet is prepared by the respective teacher
- g. With all these perfectly done, it is then used by students for their practicals.

This practice has been very successful till date.

Evidence of Success:

This practice really has helped students as well as teachers in following ways:

1. It has developed different technical skills in students not only in terms of practical skills but also theoretical understanding.
2. It has given confidence to the teacher in terms of understanding the concept theoretically and making it work practically.
3. Instead of using readymade boards available in market, these boards are student or class specific and hence more useful for the students.
4. Students are able to debug the problems if any in these boards by understanding the actual problem.
5. All these practice and the skills developed are reflected in the practical work by students in examination as well as in projects.

**Problems Encountered
and Resources
Required:**

Problems encountered:

1. Availability of the wooden board with the required specification.
2. Placement of components.
3. Manpower.
4. Skilled persons.
5. Reusing the boards.

Resources required:

1. More funding to purchase the basic boards.
2. Skilled persons.

Contact Details:

Name of the Department: **Department of Electronic Science**
Name of the Head of Department: **Dr. P. B. Buchade**
E-mail of Head of Department: **buchadepb@rediffmail.com**
Cell phone number of the Head of Department: **9423581015**