The Annual Quality Assurance Report (AQAR) of the IQAC 2017-18

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. *(Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)*

Part – A

1. Details of the Institution

1.1 Name of the Institution

> **Maharashtra Education Society's Abasaheb Garware College**

1.2 Address Line 1

> **Karve Road, Pune**

Address Line 2

> **·**

City/Town

> **Pune**

State

> **Maharashtra**

Pin Code

> **411 004**

Institution e-mail address

> **agccomp@eth.net**

Contact Nos.

> **020-41038200, 020-41038201**

Name of the Head of the Institution:

> **Dr. P. B. Buchade**

Tel. No. with STD Code:

> **020-41038201**

Mobile:

> **9423581015**

Name of the IQAC Co-ordinator:	Dr. S.M.Rathod
Mobile:	9850501291
IQAC e-mail address:	agciqac@gmail.com

1.3 **NAAC Track ID** *(For ex. MHCOGN 18879)*   MHCOGN 10600

1.4 **NAAC Executive Committee No. & Date:**   EC(SC)/14/A&A/53 dated 29-03-2016
(For Example EC/32/A&A/143 dated 3-5-2004.
This EC no. is available in the right corner- bottom
of your institution's Accreditation Certificate)

1.5 Website address: www.mesgarwarecollege.org

Web-link of the AQAR: http://www.mesgarwarecollege.org/IQAC/AQAR2017-18.pdf

For ex. http://www.ladykeanecollege.edu.in/AQAR2012-13.doc

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	B+	-	2004	2004-10
2	2nd Cycle	A	3.15	2010	2010-15
3	3rd Cycle	A	3.25	2016	2016-21
4	4th Cycle				

1.7 Date of Establishment of IQAC :   DD/MM/YYYY   01/06/2002

1.8 **AQAR for the year** *(for example 2010-11)*   2017-18

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and
Accreditation by NAAC (*(for example AQAR 2010-11submitted to NAAC on 12-10-2011)*

AQAR	Date of submission
i) AQAR 2016-2017	29-10-2018

1.10 Institutional Status

University   State [√] Central [ ] Deemed [ ] Private [ ]

Affiliated College   Yes [√] No [ ]

Constituent College   Yes [ ] No [√]

Autonomous college of UGC   Yes [ ] No [√]

Regulatory Agency approved Institution   Yes [√] No [ ]

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

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) | Deen Dayal Upadhyay Kaushalya Program |

1.12 Name of the Affiliating University *(for the Colleges)* | Savitribai Phule Pune University, Pune. |

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

Autonomy by State/Central Govt. / University   [ ]

University with Potential for Excellence   [ ]   UGC-CPE   [ ]

DST Star Scheme		UGC-CE	
UGC-Special Assistance Programme		DST-FIST	√
UGC-Innovative PG programmes			
UGC-COP Programmes		Any other (*Specify*)	DBT-STAR DBT-PPP

2. IQAC Composition and Activities

2.1 No. of Teachers | 13

2.2 No. of Administrative/Technical staff | 03

2.3 No. of students | 00

2.4 No. of Management representatives | 02

2.5 No. of Alumni | 00

2. 6 No. of any other stakeholder and

community representatives | 00

2.7 No. of Employers/ Industrialists | 00

2.8 No. of other External Experts | 01

2.9 Total No. of members | 19

2.10 No. of IQAC meetings held | 06

2.11 No. of meetings with various stakeholders: Faculty | 02

Non-Teaching Staff Students | 00 | Alumni | 00 | Others | 00

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

If yes, mention the amount | -

2.13 Seminars and Conferences (only quality related)

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

Total Nos. | 0 | International | 0 | National | 0 | State | 0 | Institution Level | 0

(ii) Themes | -

2.14 Significant Activities and contributions made by IQAC

- In house publication of Research Journal for Students of science and arts
- Proposal for international, national and state level Conferences and workshops
- Organization of Lectures for teaching and non teaching staff by staff academy
  a. For teaching staff: Lecture on "New University laws and their avenues"
  b. For non teaching staff: Lecture on " Non teaching staff-their duties, responsibilities and behaviour"
- Organized "Orientation Programme" at Girivan, Pune for teaching and non teaching staff
- Guidance to teachers for CAS assessment through API calculation for promotion

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
International Conference	International conference on "Globalization and Humanities" was organized on 14th and 15th March 2018. More than 70 participants from Nepal, Afganistan, Iran and various states of India actively participated in this conference. This conference was sponsored by Savitribai Phule Pune University under quality improvement programme
National Conference	National conference on "Quality enhancement in Higher Education" was organized on 23rd and 24th January 2018. This conference was sponsored by Savitribai Phule Pune University under quality improvement programme.
State level Workshop	Two day state level workshop on " MATLAB, Simulink , IoT and their applications" was organized on 12th and 13th January 2018. More than 40 Students and teachers from colleges in around the Pune as well as from other universities were participated. Mr. Prafulla Wadaskar from Vadectro group of companies trained them in latest technology i.e. IoT. This workshop was sponsored by Savitribai Phule Pune University under quality improvement programme.

Attach the Academic Calendar of the year as Annexure.

2.15 Whether the AQAR was placed in statutory body   Yes [√]   No [ ]

Management [√]   Syndicate [ ]   Any other body [ ]

Provide the details of the action taken

- The AQAR (2017-18) was prepared with the help of the AQAR Committee of the College.
- The compiled AQAR was discussed in the IQAC Meeting held on 28/12/2018.
- A draft copy of the AQAR was sent to the Management of College for reference and approval.
- The AQAR was then uploaded on the College Website and submitted to NAAC.

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	07	-	07	-
PG	16	-	12	-
UG	24	-	06	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	02	03	05	-
Others	03	-	03	-
Total	55	03	35	--

Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

Name of academic programme	Number
UG Arts	12
UG Science	12
PG Arts	07
PG Science	09
M. Phil Arts	03
M. Phil. Science	00
Ph. D. Arts	02
Ph. D. Science	05
Certificate courses	03

1.2 (i) Flexibility of the Curriculum: CBCS/ Core/Elective for certain subjects.

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	28
Trimester	--
Annual	15

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

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

- The syllabus of T.Y.B.A. (Education) was updated and a topic on Educational Management and ICT in Education was introduced.

- New BCA course under science faculty was started in 2016 by Savitribai Phule Pune University. Syllabus Designing for T.Y. BCA (Science) was done. As per industrial need, the subjects like Android, Python, Data Analytics, and Internet of Things were introduced in the syllabus.

1.5 Any new Department/Centre introduced during the year. If yes, give details: **No**

Criterion – II: Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
101	71	27	3	1

2.2 No. of permanent faculty with Ph.D.   42

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
-	60	-	-	-	-	-	-	-	60

2.4 No. of Guest and Visiting faculty and Temporary faculty   23   34   57

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	08	15	06
Presented papers	31	21	05
Resource Persons	04	12	08

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

- Exposure to make documentaries, posters is also encouraged. This creates zeal in the students for attending the course.

- Geographical soft-wares like Quantum GIS, ARCGIS 10.1, Google Earth Pro etc. are used.

- Virtual Classrooms are also available in some departments

- Organized subject related events like guest lectures, quiz competition, Project competition, poster competition etc.

- Using mathematical soft-wares like WINPLOT, SCILAB, and TORA etc. Use of PPT for better understanding of the concepts.

- Models, Video Lectures and Mini Projects are also used by some departments.
- E- content development by teachers of some departments in e-pg pathshala

2.7 Total No. of actual teaching days during this academic year: **238**

2.8 Examination/ Evaluation Reforms initiated by the Department (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)
- Open Book Examination and Mini Projects are conducted in some departments

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop : **05**

2.10 Average percentage of attendance of students: **80%**

2.11 Course/Programme wise distribution of pass percentage:

B.A.						
Title of the Programme	Total no. of students appeared	Division				Total Pass %
		Distinction %	I %	II %	III %	
B.A. History	60	9 .00	38.00	25.00	---	72.00
B.A. Marathi	7	00.00	24.00	24.00	---	48.00
B.A. English	23	00.00	39.00	34.00	---	73.00
B.A. Hindi	24	4.00	21.00	41.00	---	66.00
B.A. Politics	76	18.00	55.00	19.00	---	92.00
B.A. Economics	81	21.00	30.00	29.00	---	80.00
B.A. Geography	29	17.00	41.00	7.00	---	65.00
B.A. Sociology	35	3.00	20.00	77.00	---	100.00
B.A. Psychology	12	25.00	9.00	33.00	---	67.00

B.Sc.						
Title of the Programme	Total no. of students appeared	Division				Total Pass %
		Distinction %	I %	II %	III %	
B. Sc. Comp. Sc.	60	5.00	37.00	30.00	---	72.00
B.Sc. Biotech	40	20.00	23.00	38.00	---	81.00
B.Sc. Statistics	37	24.00	22 .00	27.00	---	73.00
B.Sc. Physics	76	42.00	35 .00	3.00	---	80.00
M.Sc. Physics	23	22.00	61.00	4 .00	---	87.00
B.Sc. Chemistry	75	21.00	30.00	24.00	---	75.00
B.Sc. Electronics	17	29.00	47.00	00.00	---	76.00
B.Sc. Botany	18	33.00	11.00	00.00	---	44.00
B.Sc. (micro)	72	18.00	36.00	31.00	---	85.00
B.Sc. Maths	22	36.00	9.00	00.00	---	45.00
B.sc. Zoology	24	00.00	79.00	00.00	---	79.00
B. Lib.	19	42.00	32.00	5.00	---	79.00

M.A.						
Title of the Programme	Total no. of students appeared	Division				Total Pass %
		Distinction %	I %	II %	III %	
M. Lib.	16	38.00	62.00	00.00	---	100.00
M.A. History	46	7 .00	39.00	45.00	---	91.00
M.A. English	20	5.00	60.00	35.00	---	100.00
M.A. Hindi	22	36.00	27.00	23.00	---	86.00
MA-MCJ	29	0.00	41.00	55.00	---	96.00
M.A. Politics	76	18.00	55.00	19.00	---	92.00
M.A. Economics	28	14.00	54.00	18.00	---	86.00

M.Sc,						
Title of the Programme	Total no. of students appeared	Division				Total Pass %
		Distinction %	I %	II %	III %	
M.sc. Comp. Sc.	56	4.00	16.00	75.00	---	95.00
M.C.A.	49	4.00	10.00	73.00	---	87.00
M.Sc. Biotech	19	53.00	47.00	00.00	---	100.00
M.Sc. Biodiversity	16	31.00	13.00	56.00	---	100.00
M.Sc. Physics	23	22.00	61.00	4.00	---	87.00
B.Sc. Chemistry	75	21.00	30.00	24.00	---	75.00
M.Sc. Organic Chemistry	18	44.00	33.00	6.00	---	83.00
M.Sc. Analytical Chemistry	16	31.00	50.00	00.00	---	81.00
M.Sc. Electronics	08	13.00	63.00	13.00	---	89.00
MSc.II (micro)	24	29.00	50.00	8.00	---	87.00

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

- IQAC has formed Time Table Implementation and Observation Committee.
- The committee has designed feedback form for student's feedback and submitted.
- The committee regularly stimulate to the department to prepare and analyze the result.
- Assistant professors are confirmed through their presentation after probation period.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	03
UGC – Faculty Improvement Programme	02
HRD programmes	03
Orientation programmes	03
Faculty Exchange Programme	-
Staff training conducted by the university	-
Staff training conducted by other departments	-
Summer / Winter schools, Workshops, etc.	22
Others	05

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		38	09	-	2
Technical Staff	Lab Assistant	11	03	-	5
	Lab Attendant	51	05	-	-

Criterion – III: Research, Consultancy and Extension

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

- Research has always been one of the strengths of the college.
- The Research Committee has been strengthened and active researchers are included in this Committee.
- All research proposals are screened, approved and submitted to various funding agencies (UGC, SPPU, DST, ICMR and ISRO) for financial support.
- The research facilities are being upgraded continually.

3.2   Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	01	06	01	01
Outlay in Rs. Lakhs	12.45	611.55	8	8

3.3   Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number		05		
Outlay in Rs. Lakhs	-	10.20	-	-

3.4   Details on research publications

	International	National	Others
Peer Review Journals	58	01	0
Non-Peer Review Journals	02	0	06
e-Journals	04	0	0
Conference proceedings	03	04	02

3.5 Details on Impact factor of publications:

Range 1-9   Average 3.25   h-index 70   Nos. in SCOPUS 14

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 (in Lakhs)	Received (in Lakhs)
Major projects	2017-2019	DBT-PPP	410.00	119.00
	2017-2020	DBT Star	80.00	23.00
	2013-2018	DST FIST	77.00	70.00
	2013-2018	UGC	12.45	06.06
	2015-2018	ISRO	24.10	10.33
	2018-2019	DBT Fold scope	08.00	0.69
Minor Projects	2016-2018	BCUD	10.20	3.00
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects (other than compulsory by the University)	-	-	-	-
Any other(Specify): Funding for research in Depts	2017-18	College	2.40	2.40
Total	-	-	**624.15**	**234.48**

3.7 No. of books published   a) With ISBN No. [5]   b) Chapters in Edited Books [1]

c) Without ISBN No. [3]

3.8 No. of University Departments receiving funds from :   **Not Applicable**

UGC-SAP [ ]   CAS [ ]   DST-FIST [ ]

DPE [ ]   DBT Scheme/funds [ ]

3.9 For colleges   Autonomy [ ]   CPE [ ]   DBT Star Scheme [√]

INSPIRE [ ]   CE [ ]   Any Other (specify) [**DBT PPP**]

3.10 Revenue generated through consultancy   [**NIL**]

3.11 No. of conferences organized by the Department

Level	International	National	State	University	College
Number	01	02	0	0	0
Sponsoring agencies	Savitribai Phule Pune University	Hindi Andolan and Savitribai Phule Pune University	0	0	0

3.12 No. of faculty served as experts, chairpersons or resource persons [10]

3.13 No. of collaborations: International [00]   National [01]   Any other [00]

[01]

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From Funding agency [621.75]   From Management of University/College [2.40]

Total [624.15]

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	05
	Granted	NIL
International	Applied	NIL
	Granted	NIL
Commercialised	Applied	NIL
	Granted	NIL

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

Total	International	National	State	University	Dist	College
2	0	0	0	2	0	0

3.18 No. of faculty from the Department
who are Ph. D. Guides and [19]

students registered under them [40]

3.19 No. of Ph.D. awarded by faculty from the Department [05]

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

JRF [07]   SRF [0]   Project Fellows [0]   Any other [04]

3.21 No. of students Participated in NSS events:

University level [23]   State level [00]

National level [00]   International level [00]

3.22 No. of students participated in NCC events:

University level [49]   State level [05]

National level [16]   International level [00]

3.23 No. of Awards won in NSS:

University level [01]   State level [00]

National level [00]   International level [00]

3.24 No. of Awards won in NCC:

University level [10]   State level [00]

National level [06]   International level [00]

3.25 No. of Extension activities organized

University forum	00	College forum	03
NCC	08	NSS	23

Any other   00

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

Extension Activities:

- Wild reflection, Nature Photography Competition and Exhibition. Visit to Kinhai village, the purpose of the visit was (1) Introduction of biodiversity and its elements to the villagers (2) Prize distribution ceremony to meritorious students at 'Karmaveer Bhaurao Patil Vidyalay' (3) Snake identification lecture for the staff and students.
- Industrial training Workshop for B. Sc. Students by Trividh Industries Pvt. Ltd.
- Industrial training Workshop for B. Sc. and M. Sc. Students on PLC Programming
- Lectures by Prof. (Mrs.) Damayanti Gharpure. DOES, SPPU on smart Structure
- ELMASSO activities: Project competition, Poster competition, Cultural Events
- Remedial teaching programme for B. Sc. Students.
- Two day workshop on Internet of Things, MATTLAB and Simulink for teachers and post graduate students
- SPEED: Society for Promotion of Excellence in Electronics Discipline
- Participated in environmental awareness programme arranged by 'Poornam Eco vision.'
- Contributed in garbage free city drive organised by Pune Municipal Corporation.
- Participated in 'Jalotsav' an orientation programme on water scarcity organised by Rotary Club.
- Lecture by Col. Pratul Mehta, Shaurya Chakra was organised by department to mark anniversary of the Surgical Strike.
- Lecture on Indo China Relations by Brigadier Hemant Mahajan
- Lecture on Marathwada Mukti Sangram by Uday Kadam
- Organized NET/SET Workshop, Election Awareness Campaign,
- Domestic Violence. Lecture by Ms. Vaishali Ranade, Director, Special cell, Pune Commissioner office, on 28th July 2017.
- Students participated in MIT Student Parliament
- Democracy Week Celebrated by organising essay competition and group discussion
- Youth festival celebrated by organising debate competition guest lectures
- Counselling session on Sexual Relationships Among Unmarried Youth. Counsellors of Prayas NGO delivered a lecture to students and conducted counselling session. March 2018.
- Participation of Students in Street Play Competition Organised by Modern Law College, Pune. March 2018.
- Participation of Students in MIT Student Parliament. January 2018
- F.Y. / S.Y. / T.Y. B.Sc. Statistics students to do projects on social awareness like Diabetes in females in India, Human development index year 2015,
- Sleeping quality, Analysis of crime rate in India, Analysis on crop yield, Analysis of agricultural commodities in Gultekdi Market Yard Pune 37, Watch your weight etc.
- A departmental activity "Stat-O-Fest 2018" was organized by students on 30th and 31st of January 2018 which consists of Statistical games, Quiz and Treasure hunt. Shri. Sanjay Inamdar,

honourable Vice President of the Governing Body of the Maharashtra Education Society met with all Statistics students, and appreciated their team work, leadership skills, efforts and the effective and impressive organization of the event.

- A guest lecture by Preeti Pandhu (Founder and Director, Data Science Lab) other topic "Data Science" was arranged on 11.01.2018 at Statistics Laboratory.
- Health Check up activity for F. Y B. Sc. And M. Sc. Part 1 students
- Earn and learn scheme

Institutional Social Responsibility Activities
- Workshop on Intergeneration Bonding with Janaseva Foundation
- *Rojgar Melawa*
- Participation in Women's Safety Rally
- *Ek Muth Dhanya*
- Voter Registration Campaign
- Sold Rakhi prepared by blind school students
- Book collected and Donated to *Akshar Bharati* organization.
- Programme organised on Participation of students in social awareness campaign '*NO APP*' organised by K.E.M. Hospital Research Center. February 2018.
- Youth Red Cross activity
- Students worked as "Police Mitra" in Ganeshotsav
- Assist blind student for getting Scholarship from Hindustan Petroleum

Criterion – IV: Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	8 acres	0	Not applicable	8 acres
Class rooms	42	0	0	42
Laboratories	40	0	0	40
Seminar Halls	2	0	0	2
No. of important equipment purchased ($\geq$ 1-0 lakh) during the current year (including non recurring expenses)	1 (Library)	01 03 02 01 19	BCUD College DBT-PPP ISRO DBT Star	25
Value of the equipment purchased during the year (Rs. in Lakhs)		1.17150 3.28069 8.30686 3.08570 14.44123	BCUD College DBT-PPP ISRO DBT Star DST	36.4405
Others	1 1	0.29784 0.20988	College BCUD	0.50772

4.2 Computerization of administration and library
- Computer and internet facility is provided to all officers.
- Computers and networking is provided for grant as well as self finance offices.
- Internet facility with appropriate soft-wares is provided to library.

4.3 Library services:

Sr. No.	Description		Existing 2016-2017		Newly added 2017-2018		Total	
			No	Value	No	Value	No	Value
1	Text Books		294	45396.00	97	24405.00	391	69801.00
2	Reference Books		971	356835.87	1018	405276.00	1989	762111.87
3	Journals		45	57165.00	49	54764.00	94	111929.00
4	Digital Database	N-List	1	5750.00	1	5750.00	1	11500.00
		Delnet		0.00		19470.00	1	19470.00
5	CD & Video		0	0.00	2	200.00	2	200.00
6	Others(Specify)							
A	MAP		0	0.00	4	1026.00	4	1026.00
B	Membership (British Library)		1	8500	1	8500.00	0	17000.00
C	SLIM21-AMC		0	0.00	0	44722.00	0	44722.00
D	Eureka Vacuum Cleaner		1	13990	0	0.00	0	13990.00
E	Canon Laser Printer		1	8000	0	0.00	0	8000.00
F	Computer		0	0.00	1	31300.00	1	31300.00
G	Network Storage		0	0.00	1	24500.00	1	24500.00
H	Magazine Stand		0	0.00	2	15616.00	2	15616.00
I	Projector with stand		0	0.00	1	34450.00	1	34450.00
	Total			495636.87		669979.00		1165615.87

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	385	9	20 Mbps	3	0	40	319	26
Added	07	0	0	0	0	0	5	2
Total	392	9	20 Mbps	3	0	40	324	28

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

- Information literacy programs were conducted by the Department of Library science for P.G. students.
- Workshop on Matlab , Similink and Internet of Things Workshop was conducted by Department of Electronic Science.

4.6 Amount spent on maintenance in lakhs:

i) ICT   3.80

ii) Campus Infrastructure and facilities   19.14

iii) Equipments   30.74

iv) Others   2.40

              Total: 56.08

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, that has led to refinement and smoothening of admission procedures
> (on-line), library facilities, examination procedures, canteen facilities, etc.

5.2 Efforts made by the department for tracking the progression

- Each Department do result analysis and identify weaker students. Department also helps such students through remedial teaching.
- Student mentoring

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others (M. Phil.)
2963	608	28	04

(b) No. of students outside the state   69

(c) No. of international students   09

Men	No	%		Women	No	%
	02	22.22			07	77.78

Last Year(2016-17)						This Year (2017-18)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
2176	530	219	714	39	3678	2507	517	188	723	44	3935

Demand ratio   : 1:1 to 8:1 The demand ratio varies from subject to subject

Dropout %   : negligible

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

- Students' Welfare - Workshop for competitive exam preparations was conducted for the students.
  No. of students beneficiaries: 50.
- Mathematics Department has conducted lectures for IIT JAM examination and for SPPU Entrance Exam.
  No. of students beneficiaries: 05
- Coaching for NET examination to M.Sc. Microbiology students
  No. of students beneficiaries: 50

5.5 No. of students qualified in these examinations

NET   04   SET/SLET   06   GATE   03   CAT   00

IAS/IPS etc   00   State PSC   00   UPSC   00   Others   00

5.6 Details of student counselling and career guidance
No. of students benefitted   340

5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
36	232	61	191

5.8 Details of gender sensitization programmes

- Department of Sociology has arranged a Programme on Domestic Violence. This lecture was delivered by Ms. Vaishali Ranade, Director, Special cell, Pune Commissioner Office, on 28th July 2017.
- Nirbhaya committee has organized a lecture and documentary screening by Mrs. Anjali Joshi for women's rights and gender equality.

5.9 Students Activities

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

Sports: State/ University level $\boxed{24}$ National level $\boxed{04}$ International level $\boxed{01}$

Cultural: State/ University level $\boxed{03}$ National level $\boxed{01}$ International level $\boxed{00}$

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

Sports : State/ University level $\boxed{02}$ National level $\boxed{02}$ International level $\boxed{00}$

Cultural: State/ University level $\boxed{00}$ National level $\boxed{00}$ International level $\boxed{00}$

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from department	Nil	Nil
Financial support from government	762	46, 68, 541/-
Financial support from other sources	15	3, 80, 000/-
Number of students who received International/ National recognitions	Nil	Nil

5.11 Student organised / initiatives

Fairs : State/ University level $\boxed{00}$ National level $\boxed{00}$ International level $\boxed{00}$

Exhibition: State/ University level $\boxed{02}$ National level $\boxed{00}$ International level $\boxed{00}$

5.12 No. of social initiatives undertaken by the students
- Students worked for voters' awareness campaign.
- Books were distributed by the students to Autoriksha Drivers
- Students participated in *Rakshabandhan* and *Ek Muth Dhanya* activities.

5.13 Major grievances of students (if any) redressed: No major grievances were registered.

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 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

Development of curriculum basically is done by the university. However, teachers from both faculties contribute by getting involved in curriculum development at the University level. These teachers played a crucial role in adapting the curriculum to contemporary needs.

6.3.2 Teaching and Learning

- At the PG level because of the Credit System, the student's results have improved. More interactive sessions, continuous assessment and feedback has resulted in this improvement.
- Many courses have introduced project component which has improved experiential learning.
- Experiential learning was also encouraged through interactions with persons from industry.
- Students were encouraged to participate in State Level and University 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 departmental associations and forums conducted by the college) were continued regularly to broaden students' perspective outside the common curriculum or prescribed syllabus.

- As per the guidelines of SPPU, the college has a College examination officer who looks after all the matters related to examination, both internal and external.
- Besides, an examination committee is in place which helps for smooth conduction of all internal examinations.
- For the PG students we continue with the credit grade based performance and in this regard we conduct a regular internal examination in each semester for each PG course centrally.
- Continuous assessment modes like open book test, surprise test, seminars, group discussions etc. are carried out by teachers.
- Several staff members are also involved in the examination related work assigned by SPPU.

6.3.4 Research and Development

- Research is the backbone and propeller of academic quality. Several of our teachers are actively engaged in quality research at the research centres of this college and the various research institutes in the vicinity. The teachers have also established collaborations and tie-ups with research institutes like NCL, ARAI, C-MET, SPPU, ISRO, NCCS etc where the graduate, post-graduate and Ph. D students along with faculty carry out research work for improvement of quality.

- The faculty is involved in research resource generation by applying to several funding agencies which results into significant publication output, in terms of both quality and quantity.
- The faculty members are actively engaged in guiding students for Ph. D. Dissertations and projects for the PG and UG students.

- The faculty, Ph. D. students of our research centre and the UG/PG students are encouraged to attend International and national conferences/seminars/symposia to keep abreast with the current research and advancement in technology.

- 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).
- The institute is proud to have a prestigious Ramlinga Swami Fellow working with the Department of Biodiversity.

- Each year the library is updated by purchase of new books, journals, magazines, e-resources through the budgetary provision especially made for it.

- Library cataloguing and record keeping is all software based. Research literature is available on-line through the central library.

- On-line library access is made available through providing passwords to each department to check library books and their availability.

- The office automation helps the college in all its critical procedures such as admissions which are on-line now and it also helps to manage and mobilize office records easily. The availability of internet network at all nodal points in the college (Office, Departments and Library) encourages use of ICT by teachers, students and the administrative staff for lectures; office works etc. and smoothens the process.

- Access of e-books, e-journals has become easier due to availability of internet network at all nodal points in the college. Lecture and Seminar competitions for students are arranged by several departments and students are encouraged to use ICT tools for them.

- Some departments use the network facility to download and show videos of academic interest to the students.

- Film Club Committee organised film screening for teachers and students.

6.3.6 Human Resource Management:

- A review workload of teaching and support staff members as per the government rules and regulations is done each year and the deficiency, if any, is overcome by either appointments on temporary/regular basis or by interdepartmental transfer of non-teaching personnel. The whole process is regulated through the Principal, Registrar and the Heads of the respective departments.

- Communication to all staff members is achieved though the hierarchy of the college; Principal through the Vice Principals and Heads of Departments and Registrar to the staff (teaching and support staff)

- Various committees are managed by the appointment of in-charges from the faculty members.

- Departmental heads appoint the staff of their departments for various activities by conducting regular meetings.

- Performance of the newly appointed Teacher (especially those appointed for the self-financed programs) are assessed by the Principal and higher management for their continuance.

- Regular appreciation of the teaching and supporting staff members for their excellence in work, sports or other activities is done by the Principal on the occasions of Scholar's day and Gymkhana day.

- The excellence in the work is also appreciated by the management by instituting awards such as best administrative staff awards. The faculty and the administrative staff selected is felicitated on the Foundation day of society in an august gathering comprising of the personnel of all the colleges and schools/institutions managed by the society in presence of all the Management and Governing members of the society.

- Faculty and staff recruitment is done as per State Government and SPPU rules and regulations.
- The Roster system is updated at each phase of recruitment. Proper advertisements are published for every post.

6.3.8 Industry Interaction / Collaboration

- Interactions were facilitated more widely through Special Lectures.
- Dr. P.N. Shede, Department of Microbiology, collaborated with industry for research and development.
- Alumni in industry also who helps the college with placement or counselling.

6.3.9 Admission of Students

- Entrance Examinations are conducted in few departments where demand ratio is high.
- For other departments, admissions are given on first come first serve basis (FCFS).
- The process of admissions has been streamlined and made more student friendly through on-line applications and one-point checking and fees payment.
- Transparency in the admission procedure is maintained by regular notifications of number of seats filled and available. The notices are displayed on notice boards as well as on the college website, throughout the admission process.
- Many departments follow Table Admission Procedure.
- Counselling is available during admission process.

6.4 Welfare schemes for

Teaching	*
Non teaching	*
Students	**

* 1. 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.
2. Orientation Program was organized by college for all teaching staff.
3. " State level workshop on safe laboratory practices for non teaching staff" was organised by college was sponsored by SPPU. It was conducted under QIP.
**. Students' welfare schemes include the GOI Scholarships and Free-ships, Poor Boy's Fund, Earn and Learn Scheme and endowment prizes.

6.5 Total corpus fund generated (FD)   1,90,68,986.00

6.6 Whether annual financial audit has been done   Yes [√]   No [ ]

6.7 Whether Academic and Administrative Audit (AAA) has been done?   **No**

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	No	YES	Committee
Administrative	No	No	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?

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

Alumni and alumni association have been helping some departments in various activities. To name a few:

- Pre placement preparations of the current students.
- Placement Drives are conducted by the past students who are working in the industry.
- They come as examiners for project examinations. This helps to get an idea about the student's present status and further in placement drive.
- Alumni as a Visiting Faculty are a regular practice in some departments. This helps to share knowledge of latest technology updates.
- They help as judges for various Competitions.
- Alumni have also provided sponsorship for various activities of some departments.
- PHYL 79 award installed by 1979 batch and the then Principal Prof. B.G. Lagu, for the best all rounder student in Physics/Electronics, is given every year.

6.12 Activities and support from the Parent – Teacher Association

Parent-Teacher activities/ meetings are supported and conducted at the departmental level.

6.13 Development programmes for support staff:

A state level workshop on " Safe Laboratory Practices" was organised for support staff under SPPU QIP funding on 6th January,2018.

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

Eco-friendly measures include:

- Segregation of dry and wet waste
- Separation of the broken glassware from the dry waste
- Proper disposal of the biological material used for practical
- Wild reflection competition and exhibition" organized by the department of Biodiversity created awareness of different flora and fauna present around. Survey of plant using data and facts to save acres of forest and an extremely rare plant and State reserve police ground's teaming biodiversity reduced carbon footprint were two more initiatives taken by the Department.

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.

- Teaching plan and implementation
- Student Research Journal

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

- Teaching plan implementation committee is monitoring the timetable implementation.
- Interdisciplinary International Conference , National Conference and state level workshops were conducted

1. National conference on Quality Enhancement in Higher Education was conducted on 23rd and 24th January,2018. It was sponsored by SPPU. Dr. Rajendra Suryawanshi was coordinator of the conference.
2. International conference on "Globalization and humanities" was organised by coordinator Dr. Niranjan Patil on 14th and 15th March,2018. It was funded by SPPU under QIP.
3. State level workshop on "MATLAB, Simulink , IoT and their applications was conducted on 12th and 13th January 2018 under QIP by SPPU . Dr. Supriya Patil worked as co-ordinator for workshop.
4. State level workshop on "Laboratory safety" was conducted on 7th and 8th January 2018 under QIP by SPPU .

- Certificate course in Sanskrit is conducted.
- Alumni Meet was organised by M. E. Society

7.3 Give two Best Practices of the institution

Practice 1: Academic activity :
   a. In house Fabrication of circuit boards
   b. Pre-placement activity
   c. Android app lecture series
   d. Performing practicals using R-software and MS-Excel.

Practice 2: Social activity
   a. State level Savitribai Phule elocution competition
   b. Voter Registration Campaign is conducted in college.
   c. Blind student scholarship

7.4 Contribution to environmental awareness / protection

• S.Y. B.A. and S.Y. B.Sc. Students have a compulsory (Graded) course in Environmental Awareness.   • Vermicompositing is used as a method for treatment of food waste for the hostel eateries.   • Generators have special filters for emission control.   • Solar System is planned and the extra power will be delivered to the grid.   • Bio-Gas plant is in progress.

7.5 Whether environmental audit was conducted?   Yes [   ]   No [√]

SWOC analysis:

STRENGTHS:
- A Wide range of courses are available at both UG and PG level.
- Experiential and field based learning provided at some departments by carrying out projects and field based training.
- Maximum numbers of faculties are Ph. D holders with 3 faculty members being Professors
- Good research culture having well-equipped Research Centres and researchers with large number of research projects.
- Many science subjects are technology based subjects and are closer to almost all industries.
- Computer science department conducts campus placement activity for PG students. The alumni of the department always contribute in project guidance, placements, trainings, judging projects in competitions etc.
- Co-curricular and extra-curricular activities are carried out in the departments as well as at college level through AGAM Kala Mandal, throughout the year. These activities are initiated and carried out by students.
- Sports activities are supported and many students get awards at various levels.
- Activities like NCC and NSS have also been carried out systematically and successfully for many years.// RD parade.
- The department of Biodiversity has interdisciplinary, unique course and interdisciplinary M.Sc. projects. The department is also involved in the committees that give inputs to policies of State Biodiversity Board.

WEAKNESS:
- Limited space for physical expansion.
- No Academic autonomy hence latest technology or recent advances in the subjects cannot be adapted quickly.
- There is a need to bridge the ever-increasing semantic gap between Industry and Academics.

OPPORTUNITIES:
- Design and develop need and skill based add-on courses
- Tie-ups with National / International institutes for Academic and Research Exchange
- Development of products/process by utilizing well-equipped laboratories
- Scale-up of extension activities
- Capacity building of staff

CHALLENGES:
- To keep pace with latest technology
- Resource mobilization and funding

8. **Plans of institution for next year**

- Conduct academic and administrative audit, green audit.
- To switch from Manual to Online Mode of Student Feedback.
- To prepare Students' Online Feedback System.
- To start new certificate courses at various levels.
- To organise national/international conference.
- To increase consultancy and industrial collaborations by various departments

Name: Dr. S.M. Rathod
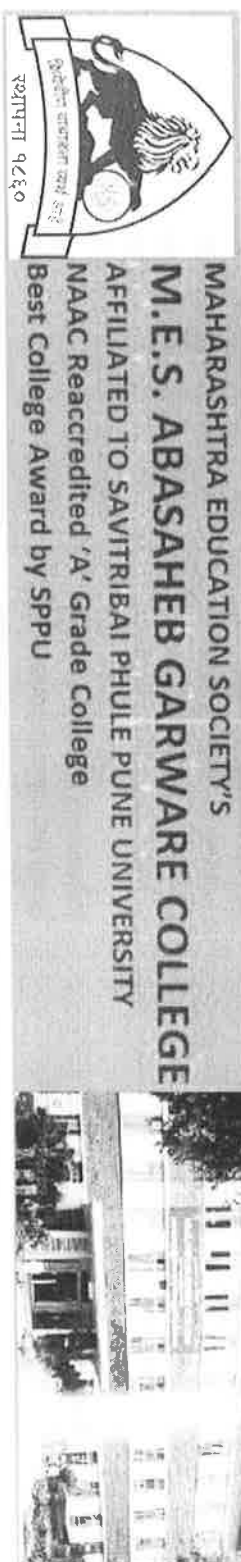
Signature of the Coordinator, IQAC

Coordinator
IQAC

Name: Dr. P.B.Buchade

Signature of the Chairperson, IQAC

off. Principal
MES Abasaheb Garware College
Pune-411 004.

Abbreviations

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Department
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Department
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

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MAHARASHTRA EDUCATION SOCIETY'S
M.E.S. ABASAHEB GARWARE COLLEGE
AFFILIATED TO SAVITRIBAI PHULE PUNE UNIVERSITY
NAAC Reaccredited 'A' Grade College
Best College Award by SPPU

Academic Calendar year 2017-18

Week / Month	First	Second	Third	Fourth
June-17	F.Y.B.A./B.Sc. Admissions	1. Commencement of Semester I of Acad. Year 2017-18. 2. Commencement of SY/TY Teaching.	1. International Yoga Day Program 2. Commencement of second year PG Classes	1. S.Y. B.A./B.Sc. Admission Last Round 2. Principals address to staff
July-17	1. Commencement of FY teaching 2. Principal's Address to FY students 3. PG Admissions	1. .Guru Paurnima Events 2. Know Your Library Program	1. Principal address to PG students 2. Commencemen of First Year PG Classes 3. Matadan Jagruti Abhiyan -Political Sci. Dept.	1. Lect-Employment opportunities in Hindi 2. Library Advisory Committee meeting
August-17	Computer Science Inaugural Lecture	1. Botany Association Inaugural Lecture 2. SR Ranganathan Jayanti-Lib. & Info. Dept.	1. Independence day 2. T.Y.B.Sc Botany Students Visit	1. One day National seminar by Hindi Dept. 2. Govind Vinayak

Month				
September-17	1. Inagural Lecture organized by Zoology Association 2. Acharya Devo Bhavo-Marathi Dept. 3. Electronic Millennium Association Inauguration 4. Association of chemistry students Inauguration	1. Arts Forum Inagural Lecture 2. Hindi Day Celebration-Hindi Dept. 3. Staff Academy Lecture for Teaching Staff 4. S.Y.B.Sc Botany students Visit	1. .Lecture on Honey bee and honey production organized by Students Entrepreneurship Committee 2. Swachhata Abhiyan Organized by NCC 3. Two days workshop on PCB by Electronics Dept.	Karandikar Janma Shatabdi year Lecture-Marathi Dept. 3. Staff Academy Lecture for Non-teaching Staff 1. Special Guidance Scheme organized by Vidhayrthi vikasmandal 2. 2.Marathwada Mukti Sangarm Lect. Organized by Political Sci. Dept. 3. 3.Lecture organized by Math. Dept. 5. NCC day Celebration
October-17	1. Inaugural Lecture organized by Counseling and personality development Committee 2. Seminar organized by Political Sci. Dept. 3. F.Y.B.Sc Botany students Visit 4. Nivara Vridhashram Visit orgnized by Counselling and personality	1. Industrial training on PLC-Electronic for PG Students 2. Lect-Maratha State-History Dept. 3. Workshop conducted for XI & XII student by Counseling and personality development Committee 4. *Diwali Faral* function for NE-Student by History Dept. 5. Conclusion of Semester I of	Two day workshop on PCB -PCB -By Electronics Dept.	1. Awareness Lecture and Medical Check-up organized by Vidhyarthini Manch 2. VachanaPrerana Din -By Lib. &Info.Dept.

	development Committee	Acad. Year 2017-18		
November-17	1. TY Zoology Students Tour Start 2. Dr. Babasaheb Ambedkar Shala Pravesh Din Program-Library	1. Commencement of Semester II of Acad. Year 2017-18 2. Botany Association Lecture	1. Alumni Meet- MES Student- First Day 2. Health Check Up	Constitution Day Program
December-17	1. Dr. Babasaheb Ambedkar Mahaparinirvan Din 2. Inter Zonal Fencing (B/G) event by Physical Edu. Dept	1. Granthotsav Inauguration 2. One day workshop on Interview techniques organized by College Placement Cell 3. SY,TY BA Geography students tour	1. Mathematics Fest. 2. Sport Competition for Staff 3. Mathematics day	1. NET/SET Coaching by Micro. Dept. 2. Lect on Green Chemistry 3. SY Physics Education Visit
January-18	1. EkmuthDhanyaYojana- Computer Sci. Assoc. 2. Microfest 3. NSS Camp at Ambi Village 4. State level workshop for Lab. Attendants 5. Guest lecture Dr.SyedAyub Ali -History Dept 6. Health Check-end 7. Hostel Day Celebration	1. Workshop on Disaster Management organized by VidhayrthiVikasMandal 2. CSA Interface-2018-Inter-class Competitions/Project Competition & Exhibition by Computer Sci.Assoc 3. Two day state level workshop inauguration- Electronics Dept. 4. T.Y.B.Sc Botany Students Visit	1. NET/SET coaching- History Dept. 2. Lekhak tumchya Bhetila 3. Android Application Development 4. NET/SET work-shop 5. T.Y.B.Sc Botany Students Visit 6. NET/SET work-shop	1. .National conference on Quality Enhancement in Higher Education 2. Zilla Stariay Pathnatya Spardha organized by Vidhaythi Vikas Mandal 3. Bio-Acoustic Workshop-Zoology 4. Sport Award Distribution Ceremony 5. Republic Day

Month				
				SYBA & TYBA Geography Special students tour 6. FY Students P.T. Examination 7. Inaugural Lecture of Science forum- Common Errors in English 8. Stat-O-Fest Start
February-18	1. Electronic Fest - organized by ELMASSO 2. Zoology Fest 3. Hostel Tour	1. Internal Examination for SY and TY 2. Poster Competition/Quizz by Association of Chem. Student. 3. TY Students Psychology Visit 4. TY Micro Students Visit	1. Workshop for Microbiology students-UGC star Scheme 2. .Shiv Jayanti Utsav	1. Workshop for Microbiology students-UGC star Scheme 2. Marathi Bhasha Din - Marathi Dept. 3. YuvakMahotsav - Political Science Dept.
March-18	1. Udabodhan Varga for All Staff atGirivan 2. International Woman day Lecture organized by Nirbhaya Committee	1. International Conference on Globalization and Humanities 2. Workshop on Mental Health organized by Arts Forum	University Practical Examination	1. Internal Examination for PG Students 2. University Examination Commencement
April-18	University Examination continuation	Dr.Babasaheb Anbedkar Jayanti Program	PG Practical Examination	1. Principals Address to Staff 2. Conclusion of

	Semester II of Acad. Year 2017-18		
May-18	1.Maharashtra Din 2. Summer Vacation Starts	F.Y. B.A./B.Sc. result Declaration	
		Admission Committee Meeting	S. Y.B.A./ B.Sc. admissions