The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

AQAR for the year (*for example* **2014-15***)

| 2017-18 |

1. Details of the Institution

1.1 Name of the Institution

| *Maratha Vidya Prasarak Samaj's*
 K. R. T. Arts, B. H. Commerce and A. M. Science |

1.2 Address Line 1

| Gangapur Road |

Address Line 2

| Shivajinagar |

City/Town

| Nashik |

State

| Maharashtra |

Pin Code

| 422002 |

Institution e-mail address

| contact@kthmcollege.com |

Contact Nos.

| Phone No.: 0253 2571376

 Fax No.: 0253 2501376 |

Name of the Head of the Institution:

| Dr. V. B. Gaikwad |

Tel. No. with STD Code:

| 0253 2571376 |

Mobile:

| 9422249241 |

Name of the IQAC Co-ordinator:

| Dr. M. N. Shelar |

Mobile: 9673364999

IQAC e-mail address: iqac.kthm@gmail.com

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

MHCOGN10701

OR

1.4 **NAAC Executive Committee No. & Date:**
(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)

EC(SC)/28/A&A/55.3 dated 30-10-2017

1.5 Website address: www.kthmcollege.ac.in

Web-link of the AQAR:

1.6 Accreditation Details

Sr. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	A	87.89 (out of 100)	08/01/2004	07/01/2009
2	2nd Cycle	A	3.30	27/03/2011	26/03/2016
3	3rd Cycle	A++	3.79	30/10/2017	30/10/2024

1.7 Date of Establishment of IQAC: DD/MM/YYYY

30/06/2004

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

  i. AQAR 2011-12 (Date: 29-09-2012)
 ii. AQAR 2012-13 (Date: 04-12-2013)
iii. AQAR 2013-14 (Date: 06-10- 2014)
 iv. AQAR 2014-15 (Date: 02 -12-2015)
  v. AQAR 2015-16 (Date: 20-06-2017)
 vi. AQAR 2016-17 (Date: 21-06-2017)

1.9 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 ✓

(E.g. 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 ☐

1.10 Type of Faculty/Programme

Arts ✓   Science ✓   Commerce ✓   Law ☐

PEI (PhysEdu) ☐

TEI (Edu) ☐ Engineering ☐   Health Science ☐   Management ☐

Others (Specify)   B. Voc.

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

1.12 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   ✓

3

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

2. IQAC Composition and Activities

2.1 No. of Teachers | 07

2.2 No. of Administrative/Technical staff | 02

2.3 No. of students | 02

2.4 No. of Management representatives | 01

2.5 No. of Alumni | 01

2. 6 No. of any other stakeholder and

Community representatives | 01

2.7 No. of Employers/ Industrialists | 01

2.8 No. of other External Experts | 01

2.9 Total No. of members | 16

2.10 No. of IQAC meetings held | 04

2.11 No. of meetings with various stakeholders: No. | 02   Faculty | 03

Non-Teaching Staff | 02   Students | 01   Alumni | 01   Others | 01

2.12 Has IQAC received any funding from UGC during the year?   [ ]   No | ✓

If yes, mention the amount | --

2.13 Seminars and Conferences (only quality related)

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

Total Nos. | 10 |

International | 04 | National | 03 | State | 01 | Institution Level | 01 |

District Level | 01 |

2.14 Significant Activities and contributions made by IQAC:

IQAC has made significant contributions towards quality initiation, sustenance and improvement of the College. It has undertaken following significant activities to achieve higher benchmarks of quality. :

- Prepared the Plan of Action and Academic Calendar of the College.
- Organized CAS-PBAS meeting for staff to inform the new changes.
- Conducted CAS Camp for AGP 7000/8000/9000
- Sought and analyzed the monthly academic activity reports of the faculty and annual reports on examination, research, publications, participation in seminars, extension activities etc.
- Conducted 04 International, 03 National 01 State, 01 University level Seminars/Workshops/ Conferences and 01 District Level Workshop.
- Started the Research Center for Microbiology
- Submitted proposals for extension of infrastructure in the wake of increasing strength and introduction of new courses and programmes.
- Sought and analyzed the feedback from students on teachers and curriculum.
- Coordinated the activities associated with Academic and Green Audits.

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 *

*Please, see **Annexure-I: Plan of Action and Action Taken Report**

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 Management of the Institute has perused the AQAR 2016-17 and expressed satisfaction regarding the overall activities undertaken.

- It has assured sustained co-operation and institutional support to the college regarding the difficulties encountered by it in the transaction of various functions and activities.

- Suggestions have been made to streamline research activities, publications, consultancy activities and possibility of patent generation.

- Special attention is being given to the infrastructural requirements.

  The detailed report is enclosed in **Annexure I.**

Part – B

2017-18

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.	12	01	12	-
M.Phil	10		10	
PG	24	-	22	-
UG	29		11	-
PG Diploma	01		01	-
Advanced Diploma	04		02	-
Diploma	06		04	-
Certificate	09		07	-
Others	01		-	-
Total	96		68	-
Interdisciplinary	-		-	-
Innovative	-		-	-

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

Pattern	Number of programmes
Semester	42
Trimester	-
Annual	11

- The Choice Based Credit System, introduced by the University, is implemented by the College for all PG Courses in all faculties.
- The UG classes have a number of core and elective options offered by the curricula of various subjects.
- The student can opt for combination of subjects of his/her choice as per the regulations of the University from the subjects offered by the College.
- Within a subject a student can choose optional course (paper) of his choice from the elective options offered in the programme.

 (ii) Pattern of programmes:

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

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

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.- No

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

- The College has started New Courses:
    - Ph.D Microbiology
    - M.Sc.-Inorganic Chemistry (Natural Growth)

Criterion – II
Teaching, Learning and Evaluation

2.1 Total No. of faculty

Permanent	Asst. Profes sors	Associate Profes sors	Professors	Others
225	171	49	05	00

2.2 No. of permanent faculty with Ph.D. | 59 |

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
04	56	00	00	00	00	00	00	04	56

2.4 No. of Guest ,Visiting faculty and Temporary faculty | 13 | 11 | - |

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	20	12	16
Presented papers	38	11	4
Resource Persons	0	03	10

2.6 Innovative processes adopted by the institution in Teaching and Learning:
- ➢ Use of LCD Projector, Power-Point presentation for UG and PG classes
- ➢ Use of Video (Online and Offline) of dissections of various animals for teaching the students
- ➢ Use of Google Classrooms for teaching learning
- ➢ Group discussion, Open book test, Seminars, Quizzes, Assignments, Extension work, Subject related animations and presentations
- ➢ Project based learning
- ➢ Use of statistical software packages like SPSS, R, Matlab, initab, etc.
- ➢ Use of various e-resources
- ➢ Awareness of Statistics through Quiz Competitions, Posters as well as conducting events on National Statistics Day
- ➢ Vimarsh Group activity (Sociology)
- ➢ Chikitsa *Setu* Programme with SPPU, Pune by Sociology Department

- Smart class rooms for delivering lecturers in B.Voc. departments
- Lectures of industrial experts for B.Voc. Courses
- Research Projects (Dissertation) conducted from UG and PG students
- Use of video CD's, Use of models, problem solving, Educational visits, Computer simulation in Physics Department
- Field visits and excursion tours
- SSI and KVIC Documentaries in Microbiology Deprarment.
- E-Content: Lecture Notes, Solved Exercises, Practical Manuals are updated and made available by Mathematics Department
- The department of Mathematics has 23 Casio fx CG 20 advanced graphing calculators and 02 Software for operating these calculators. An intensive use of calculators is made in teaching of the courses numerical analysis, algebra and linear algebra. They are used for practical sessions.
- Peer Teaching and Activities in groups conducted by Marathi Department
- Case studies, Market surveys, Guest Lecture by Experts in B.Voc. Interior Design Department
- Historical Documentaries are used in learning Processes; History Charts and Maps are displayed .Students are asked to do projects on various historical themes.
- Extension work activity: PG students are given practical assignments in addition to their curriculum. This gives the students a chance to understanding parallel concepts and planning experiments on individual level.

2.7 Total No. of actual teaching days

| 180 |

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

- Institution has a dedicated examination committee which is engaged in the Examination/Evaluation Reforms
- All the departments of science changed the format of internal examination from MCQ to full length paper for S.Y. and T.Y. B.Sc
- Institution has implemented Barcode Technology as Improved Examination System.
- Students those who want to re-evaluate their answer sheets avail the facility of Photocopy.
- College has adopted the G-Suite for the betterment of Education in addition to the Examination and evaluation work.
- Departments examine and evaluate their students by various assessments such as problem solving methods, group discussions, seminar presentation, Assignments, MCQ tests, surprise tests, etc.

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

12 Members are involved in curriculum restructuring and Development

2.10 Average percentage of attendance of students **: 82.07**

2.11 Course/Programme wise distribution of pass percentage:

Name of Dept.	Class	Percentages
Bio tech	BSC	69.00
	MSC	100
Botany	BSC	88.12
	MSC	100
Chemistry	BSC	89.00
	M.Sc II [Organic Chemistry]	85.00
	M.Sc II [Analytical Chemistry]	86.00
	M.Sc II [Inorganic Chemistry]	89.00
Computer Science	BSC	65.38
	MSC	100
Economics	BA	62.50
	MA	100
English	BA	95.00
	MA	94.11
Environment	BSC	100
	MSC	84.21
Electronic Science	BSC	87
	MSC	98
Geography	BA	64.40
	BSC	100
	MA	31.00
Geology	BSC	100
Hindi	BA	86.00
	MA	94.44
History	BA	52.00
	MA	87.05
Interior Design	BSC	100
Marathi	BA	70.00
	MA	100
Mathematics	BSC	72.22
	MSC	73.21
Microbiology	BSC	83.30
	MSC	100

Music	BA	100
Physics	BSC	84.37
	MSC	90.47
Political Science	BA	90
Printing Technology	BSC	100
Sociology	BA	95.34
	MA	100
Statistics	BSC	73.58
Zoology	BSC	56.41
	MSC	91.66

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

- IQAC has suggested conducting seminars/workshops/conferences. During last five Feedback forms for evaluation of teachers by students are developed. Feedback forms stakeholders are sought on teachers, curriculum and campus.
- Department wise examination results are analyzed and reports are communicated to the principal.
- Recommended for procurement of ICT infrastructure and impart training
- Motivate faculty to adopt innovative teaching learning methods
- Encourage faculty to conduct tours, excursions, field visits, surveys
- Motivate faculty to establish collaboration, linkages and MoUs

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	*Number of faculty benefitted*
Refresher courses	**02**
UGC – Faculty Improvement Programme	**22**
HRD programmes	**6**
Orientation programmes	**11**
Faculty exchange programme	**0**
Staff training conducted by the university	**0**
Staff training conducted by other institutions	**0**
Summer / Winter schools, Workshops, etc.	**1**
Others	**7**

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	**51**	**39**	**Nil**	-
Technical Staff	**71**	**40**	**Nil**	-

Criterion – III

3. Research, Consultancy and Extension

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

- The IQAC focuses on sensitizing students towards research by encouraging conduction of varied activities aimed at developing scientific temperament and research culture on campus.

- Conferences and workshops are organized by various departments on current topics/trends to gain insight in the advanced fields of research. A total of 02 International level conferences ,01 National, 02 State level Conferences, 02 college level workshops were organized during the current year.

- Students are encouraged to present their research work in 'AAVISHKAR' and in National and International conferences to get acquainted with the research scenario. In the current year students presented 4 papers at National conferences. The students from under-graduate and post-graduate courses are encouraged and supported to participate in the research activities as a part of their syllabi i.e. for dissertation or as a co-curricular activity teaming with staff or research scholars in the ongoing projects.

- Under the Star College Scheme (which involves seven departments) advanced learners of second year are actively involved in carrying out short term research projects.

- The departments are guided to carry out collaborative work to bridge the gap between industry and academia. A total of 05 National, One State and 02 Regional collaborations are in place with the departments of Botany, Physics, Microbiology and Electronic Science.

- The college has 12 Recognized Research Centres for Ph.D. degrees and 56 Recognized **Research Guides.**

- Each laboratory is provided with modern infrastructure for research. In addition a Central Instrumentation Facility houses state of art instruments like HPLC, FTIR, AAS, etc.

- The faculty is encouraged to engage in research activities through various major and minor projects from different organizations. Currently there are Four Minor ongoing projects.

- There are 57 students pursuing their Ph.D. in different subjects at present. During this academic year 42 Ph. D. degrees were awarded.

- The college provides resource facilities like Central Instrumentation facility, Botanical garden, Plant tissue culture lab and separate computer facility for accessing journals in the library.

- Students are taken for educational tours and visits every semester to industries and research institutes around and outside Nashik to create awareness about the developments going on in the field and the career opportunities therein.

- The research fraternity of the college has maintained a good record of publishing research work in eminent National and International journals. The faculty has been able to publish **108 Research Papers** in **Peer-reviewed International journals, 10 National Journals.**

3.2   Details regarding major projects

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

3.3   Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	04	-	-
Outlay in Rs. Lakhs	-	8,65,000	-	-

3.4   Details on research publications

	International	National	Others
Peer Reviewed Journals	101	10	-
Non-Peer Reviewed Journals	-	-	-
e-Journals	05	-	-
Conference proceedings	-	-	-

3.5   Details on Impact factor of publications:

Range $\boxed{\text{0 to 6.20}}$ Average $\boxed{3.1}$ h-index $\boxed{-}$ Nos. in SCOPUS $\boxed{-}$

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	-	-	-	-
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	2017-18	BCUD	8,65,000	8,65,000
Students research projects (other than compulsory by the University)	-	-	-	-
Any other(Specify)	-	-	-	-
Total			8,65,000	8,65,000

3.7 No. of books published $\boxed{06}$

   i) With ISBN No. Chapters in Edited Books $\boxed{06}$

   ii) Without ISBN No. $\boxed{-}$

3.8 No. of University Departments receiving funds from

UGC-SAP- $\boxed{-}$ CAS $\boxed{-}$ DST-FIST $\boxed{-}$ DPE $\boxed{-}$ DBT Scheme/funds $\boxed{-}$

3.9 For colleges   Autonomy $\boxed{-}$ CPE $\boxed{\checkmark}$ DBT Star Scheme $\boxed{\checkmark}$

INSPIRE $\boxed{-}$ CE $\boxed{-}$ Any Other $\boxed{\checkmark}$

3.10 Revenue generated through consultancy $\boxed{\text{14,39,450/-}}$

3.11 No. of conferences organized by the Institution:

Level	International	National	State	University	College
Number	02	01	02	01	01
Sponsoring agencies	UGC and BCUD, SPPU, Pune	BCUD, SPPU, Pune	BCUD, SPPU, Pune	BCUD, SPPU, Pune	Self-Funded

3.12 No. of faculty served as experts, chairpersons or resource persons   45

3.13 No. of collaborations   International   -   National   5   Any other   3

3.14 No. of linkages created during this year   3

3.15 Total budget for research for current year in lakhs:

    From funding agency   47.59131

    From Management of University/College   18.93263

    Total   66.52394

3.16 No. of patents received this year

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

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
10	04	03	01	01	01	-

3.18 No. of faculty from the Institution who are Ph.D.Guides   37

    and students registered under them   72

3.19 No. of Ph.D. awarded by faculty from the Institution   06

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

JRF | 01 | SRF | - | Project Fellows | - | Any other | 02 |

3.21 No. of students Participated in NSS events: 300

University level	17
State level	01
National level	-
International level	-

3.22   No. of students participated in NCC events:

University level	-
State level	06
National level	02
International level	-

3.23 No. of Awards won in NSS:

University level	-
State level	-
National level	-
International level	-

3.24 No. of Awards won in NCC:

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

3.25 No. of Extension activities organized

University forum	-
College forum	04
NCC	02
NSS	-
Any other	01

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

- The institution motivates the departments to take up different extension activities as part of their curricular, co-curricular and outreach programmes. Following are the activities carried out in the current year

- The NSS unit has adopted a village (Sayyed Pimpri). The students work for the overall development of the village.

- Tree plantation activity is conducted by NSS unit every year on 1st July. Boat Club actively participated in the Flood Relief activity in Nasik district. Boat Club organizes Disaster Management programme in respect of Water Rescue operations every year in addition to Home guard Commander training. Boat Club also organized annual Training camp for the NCC students from different colleges.

- "*Dar Shaniwari Vidynan Vari*" is a programme conducted this year in which students from all Science departments conducted basic Science practicals for Nasik Municipal Corporation school students on every Saturday.

- Blood group detection, Haemoglobin estimation camp, Thalassemia screening camp were organized by Microbiology department.

- Science Exhibition and Bio-fest programs were organized by department of Biotechnology on occasion of Science day.

- Blood donation camp was organized by NSS/NCC in collaboration with the MVP medical college.

- Social justice rally was organized on 26/6/16 and students exhibited Float display on the work of Rajarshi Shahu Maharaj.

- World AIDS day rally was organized on 1/12/16

- The Department of English organizes communication skills workshops for the tribal students.

- The Department of Sociology organized a study Tour to Kharoli Villages around Trymbakeshwar Tehsil.

- Film Show on Women's Issues was conducted by Sociology department on the occasion of Women's day.

- The Departments of Environmental Science, Chemistry and Microbiology conducted Soil and Water analysis for farmers in Nasik region.

- The faculty and the students are actively involved in activities like MVP Marathon, Vasantrao Pawar Vyankyanmala: A lecture series, MVP Karandak (Elocution), Godavari Cleaning Campaign, Yoga day, *Swachha Bharat Abhiyan* etc.

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	6411.36 (square meters)	00	Institute (M.V.P. Samaj, Nashik), UGC, CSIR, DST-DBT Star College Scheme, MHRD, BCUD.	6411.36 (square meters)
Class rooms	89	00		89
Laboratories	73	00		73
Seminar Halls	07	00		07
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	04			04
Value of the equipment purchased during the year (Rs. in Lakhs)	17.34454			17.34454
Others (Miscellaneous expenses) (Rs. in Lakhs)	236.6678			236.6678

4.2 Computerization of administration and library

a) The online merit system and admission process is implemented.

b) The College ERP system for faculty and staff is being used. It helps in smooth functioning of administration.

b) Every faculty member has been assigned the institutional email ID through G-Suite System. The online MIS system is implemented through it.

c) The Library uses **Autolib Library Management Software**. The library is fully automated and bar-coding is done for all books. The circulation is done through barcode system. The Software has eight Modules: Book master, Circulation, Member, Subscription, Stock verification, Reports, Administrator and Book shelf. The main module Book master includes all accession registers. The Member module includes detailed profile of every library member. The Accession Registers, Stock Verification, OPAC and I Card Printings, data import –export etc. is done through same. Data Imports, Export, etc.

d) The library has developed institutional repository using D-Space. Question Papers, Syllabii, College Magazine 'Akshar', Newspaper Clippings, Research Articles, Presentations, Photographs of Various Events, Rare Manuscripts of Parent Institute, etc. are made available on each of the computer systems through Local Area Network (LAN) of the college.

4.3 Library services :

	Existing		Newly added		Total	
	No.	Value (Rs.)	No.	Value (Rs.)	No.	Value (Rs.)
Text Books	91602	93,99,907	601	1,12,675	92203	95,12,582
Reference Books	22256	99,74,686	1193	6,55,963	23449	1,06,30,649
e-Books (Online N-List)	3135000	5,750	-	150	3135000	5,900
Journals	115	2,47,844	-	-	115	2,47,844
e-Journals (Online N-List)	6,000 Plus	5,750	-	150	6,000 Plus	5,900
Digital Database	J-Gate	-	-	-	J-Gate	-
CD & Video	366	4,130	3	1929	369	6,059
Others (specify) Audio Books	-	-	2000	-	2000	-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet Points	Browsing Centres	Computer Servers	Office	Departments
Existing	586	18	586	18	04	14	28
Added	37	00	07	00	00	00	00
Total	623	18	593	18	04	14	28

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

i) A state level workshop on "**Role of Mathematical Software in Teaching, Learning and Research**" was organised during **29 -30 December 2017**.

ii) A college level training on "G-Suite Implementation for Real Time Data Collection" was organized for teachers on 29-Mar-2018.

iii) First year students of Arts faculty were trained to prepare Power Point Presentations by English Department.

iv) The Google Classrooms were created and implanted in Teaching-Learning by Environment Science Department.

4.6 Amount spent on maintenance in lakhs :

i) ICT	6.70118
ii) Campus Infrastructure and facilities	106.7062
iii) Equipments	17.50946
iv) Others	236.6678
Total :	**367.5846**

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

  ➢ **Transport and commuting Facility**
  - Concession pass for state transport buses from MSRTC is made available on the campus to students
  - Parking slots

  ➢ **Health and Hygiene**
  - Health Centre

- Filtered Drinking water

- Washrooms for gents and ladies

- Sanitary napkin wending machine in ladies washroom

- Compulsory health check up for students and special lectures arranged for girls on health and hygiene

➢ **Financial Support**

- Earn and learn scheme

- Scholarships /freeships

- Mahindra scholarship

- Blue Cross Scholarship

- Poor boys Fund.

- Corpus Fund

- Display of various schemes for economically backward and scholar students

➢ **For differently able students**

- Scholarships given to 39differently abled students

- Braille software (2000 audio books, 100 braille books)

- Separate class rooms on ground floor for physically handicapped

- Ramp facility is created

- Dedicated Differently Able Student Centre

➢ **For confidence development**

- Counselling cell established in college campus

- Soft skill trainings are imparted

➢ **Recreation**

- College canteen

- Ladies common rooms

- Boat club

- Indoor and outdoor game facility

- Various cultural events for students

➢ **Library**

- Central Library

- Departmental library

- Reading room for girls and boys

- Photo-copy centre attached to main library

➢ **Communication facilities**

- SMS facility
- A 6'X 4' Electronic Scrolling display board
- Common college and Departmental Notice boards
- College Websites and G-Suit Portal

➢ **For Grievances**

- Grievances cell for student
- Vishakha Samiti for girls and ladies staff

➢ **For Discipline and Security**

- Anti-ragging committee
- CCTV surveillance on campus and parking slot

➢ **Competitive Examination**

- The College has independent cell for Competitive Examinations

5.2 Efforts made by the institution for tracking the progression

➢ **Progression to Higher education/ Employment**

- Alumni meets and lectures organised by alumni
- Placement interviews by alumni

➢ **Academic Progression of Students**

- Continuous assessment, class room tests, oral examinations etc.
- Organization of quiz/competitions at Department level
- Cultural programmes and co-curricular activities

➢ **Counseling center**

- Career/personal/academic Counselling

➢ **Gender sensitization**

- Sakhi Manch for girl students
- Various events/lecture series organized for personality Development

5.3   (a) Total Number of students: 9359

(b) No. of students outside the state | 06 |

(c) No. of international students | - |

	No	%
Men	3872	41.37

	No	%
Women	5487	58.63

Last Year 2016-17						Current Year 2017-18					
General	SC	ST	OBC	NT	Total	General	SC	ST	OBC	NT	Total
3370	972	1211	2966	853	9372	3087	974	1133	3269	896	9359

Demand ratio- **1 : 2.78**   Dropout % : **4.575 %**

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

> The College has independent cell for Competitive Examinations. Guidance is provided to the students by in-house faculty, experts and alumni for various examinations like MPSC, UPSC examinations. Information regarding Examinations and related notices are displayed on separate notice boards.

No. of students beneficiaries   148

5.5 No. of students qualified in these examinations

NET 20   SET/SLET 46   GATE 04   CAT -

IAS/IPS etc -   State PSC 01   UPSC -   Others 27

5.6 Details of student counselling and career guidance

> 1. Both UG and PG students are informed regularly regarding competitive exam and are encouraged to take up the exams.
>
> 2. Webinar – Carrier guidance by Digital Square Impact(TCS) on 29-Sep-2017
>
> 3. UPSC chi Vari conducted on 22-July-2017
>
> 4. Informal counselling on academic, career and personal problems done through face to face contact done by all faculties. Notices/information about job opportunities are displayed on Boards
>
> 5. The Counselling Centre and the 'Psyclub' took initiative to create awareness regarding need, importance and available facilities for counselling in the college campus.
>
> No. of students benefitted: - 360

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
08	160	33	560

5.8 Details of gender sensitization programmes

Fearless leady compilation (Nirbhay Kanya Yojna) is done in each year under which college arrange lectures of doctors, Advocates for girl students by board of students development. (Students benefitted:-98)

Gender sensitization workshop arranged by board of student development. (Students benefitted:-110)

- Lecture series, film-watching, interactive sessions and discourses..
- Provoking thought entertainment.
- Inculcation of a healthy perception towards womanhood.
- Exposure to rational, scientific, social and emotional awareness.
- Celebration of 'International Women's Day' on 8th March.

5.9 Students Activities

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

State/ University level ⟦40⟧   National level ⟦37⟧   International level ⟦04⟧

No. of students participated in cultural events

State/ University level ⟦06⟧   National level ⟦0⟧   International level ⟦-⟧

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

Sports : State/ University level ⟦10⟧ National level ⟦04⟧   International level ⟦04⟧

Cultural: State/ University level ⟦03⟧ National level ⟦0⟧   International level ⟦0⟧

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution /affiliating university	524	43,64,578/-
Financial support from government	7428	4,55,72,884/-
Financial support from other sources	192	12,54,920/-

5.11 Student organised / initiatives

Fairs : State/ University level | 02 | National level | - | International level | - |

Exhibition: State/ University level | - | National level | - | International level | - |

5.12 No. of social initiatives undertaken by the students | 38 |

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

Grievances of the students are resolved with the help of counselling cell and the Principal.

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the college

> **Vision:**
>
> We aspire to be an excellent institute of higher education, ensuring conducive environment for teaching, learning and research by supporting the efforts, qualities and skills of students, grooming them into socially responsible, globally competent and excellent human resource.
>
> **Mission:**
>
> To become a Centre of Excellence in Higher Education and to create an ambience in which innovative ideas and research flourish from which the leaders and innovators of tomorrow emerge.

6.2 Does the Institution has a Management Information System

- Yes, the college has a Management Information System (MIS) in which admission, scholarship, employee establishment, payroll and library systems are integrated.
- All the data about the students, staff and library are managed on central server.
- MIS generates various reports that are useful to the Management, Principal and Office for further decisions making.
- The Library uses Autolib Library Management Software.
- IQAC has developed Android Application and Web Based Portal to collect academic and administrative data.

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

6.3.1 Curriculum Development

- Representation of faculty members on various Boards of Studies of Savitribai Phule Pune University, Pune.
- **12** Members are involved in curriculum restructuring and Development.
- Financial assistance to faculty members for contributing in syllabus restructuring workshops.
- College encourage faculty members to participate in various Seminar, Workshop, Conference

6.3.2 Teaching and Learning

- ICT tools such as smart-boards, LCD projectors, audio-video CDs, Internet, educational software, e-books are used regularly in teaching and learning process.
- Group Discussion, Quizzes, Assignments, Presentations, Open Book Test are also used by many departments in teaching-learning process.
- The language laboratory is intensively used by language departments
- Study tours organized by History, Botany, Zoology, Geography, Sociology, Electronic Science and Environmental Science departments.
- Postgraduate students participate in Avishkar and other Research Competitions at State, National and International Level.

6.3.3 Examination and Evaluation

- As per University guidelines, college conducts continuous assessment process for examination and evaluation.
- As per the credit-based evaluation system for PG students, we conduct variety of descriptive and objective tests, OBTs, assignments, review of research papers, open-book tests and seminars.
- Online evaluations by Computer Science and Environment Science departments for PG students

6.3.4 Research and Development

- The infrastructure for research is made available in 12 Research centres.
- The linkages and collaboration with international and national organizations have been made
- At present in college, 56 faculty members are recognized as Ph.D. research guides in various research centres.
- Faculty members are encouraged for conducting research projects.
- Faculty members are encouraged for conducting research projects.
- Faculty Enrichment Programs have been organized

6.3.5 Library, ICT and physical infrastructure / instrumentation

- The college provide financial support for
- The college provide financial support for
  - Infrastructure development for teaching, learning and research
  - Books and journals in library.
  - ICT resources
  - Laboratory equipment

6.3.6 Human Resource Management

- Every year, performance assessment of faculty and staff is done by self-appraisal method.

- Students' feedback is sought for comprehensive evaluation of faculty.

- Head of the Departments after analysing the feedback give necessary suggestions to the faculty for improvement.

- The Principal peruses the report and makes necessary appraisal of the all faculties and non-teaching staff. The reports are submitted to the management for necessary action.

- The college also encourages the faculty to attend refresher and orientation courses conducted by various institutions and universities.

6.3.7 Faculty and Staff recruitment

- The management publishes the advertisement for recruitment of faculty (approved by Savitribai Phule Pune University and Government of Maharashtra) in national, state and local newspapers.

- Candidates are recruited on regular basis through a duly constituted selection panel by the University and as per the norms laid down by UGC and Government of Maharashtra.

6.3.8 Industry Interaction / Collaboration

- The college has signed MoUs and collaborations/linkages with various Industries /organizations/institutions. These collaborative activities have contributed to the teaching, learning and research development of the college.
- The college invites industry experts to deliver lectures and seminars for students.
- The college has linkage/collaboration with renowned industries for internship and projects of PG students.
- M.Sc. Computer Science students are promoted for full time industrial training during their final semester in various IT industries through campus placement process.

6.3.9 Admission of Students

- Admissions are given strictly on merit basis and as per University and Government norms.
- Admission process is online
- Department of Biotechnology conducts entrance examination for admission to P.G. programme
- Admission Process is conducted online

6.4 Welfare schemes for

Teaching and Non-Teaching Staff	• Employee Welfare Fund (Sevak Kalyan Nidhi) • Group LIC • PF and Gratuity • Contributory PF for employees of Unaided programmes. • Loan from two employees co-operative credit societies, accident insurance policy schemes, prizes for meritorious members and their wards • Felicitation of meritorious and retired employees by the Institution • Free medical check up • Group Mediclaim
Students	• Accident insurance policy scheme by Management • Vidhyarthi Kalyan Nidhi Scheme by Management • Earn and Learn Scheme is in practice from several years • Scholarships for meritorious students • Vidyarthi Suraksha Nidhi in association with BSW. • Group Mediclaim

6.5 Total corpus fund generated (in Rs.) = Rs. 50,000/-

6.6 Whether annual financial audit has been done   Yes ✓   No ☐

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	-	Yes	Management, Principal and Vice Principals
Administrative	No	-	Yes	Parent Management and Principal

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?

- University has implemented the Credit Based System for PG programmes.

- Under the credit based system, continuous assessment process is carried out by conducting written tests, seminars, open book tests, projects, MCQ tests, literature review, assignments, quizzes, debates, group discussion, oral etc.

- Use of barcode system for answer books

- Online application for photocopy and revaluation system

- Old question papers are made available on institutional repository

- Issue of question papers online at college by University during examinations

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

- S.P. Pune University makes a provision according to the status of autonomy to affiliated institution. University has conducted a meeting with Principals of all affiliated colleges regarding the process of autonomy.

- Being in a status of College with potential for excellence, the college has taken steps forward to go for the autonomy. For the awareness of autonomy, the college has planned to organise a workshop on autonomy with the help of S.P. Pune University.

6.11 Activities and support from the Alumni Association

- The alumni of the college contribute to the growth and development through various means, such as:
  o Sponsoring prizes for meritorious students.
  o For enhancement of infrastructure
  o Donating books to the departmental library.
  o Contributing to the departmental corpus of educational material

6.12 Activities and support from the Parent – Teacher Association

> - Departments arrange parent teacher meets periodically to discuss the issues related to their wards and overall quality of education imparted, resolve the grievances if any.

6.13 Development programmes for support staff

> - A college level training on "**G-Suite Implementation for Real Time Data Collection**" was organized for teachers on **29-Mar-2018.**

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

> - College has undertaken various eco-friendly measures such as
>   - Tree-plantation (1st July to 7th July 2017)
>   - Digitalization of record
>   - Online admission process
>   - G-Suite Portal for data collection and communication
>   - College web site for communication with employees and students
>   - Dustbins on the campus
>   - Cleanliness and sanitation
>   - Use of solar energy

Criterion – VII

7. Innovations and Best Practices

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

: The college always encourages departments to introduce innovative practices which helps in ease of functioning and develop a healthy environment on campus.

Following innovative and best practices have been taken up by departments of the college.

1. **Use of logbooks**: Students and staff were explained the utility of logbooks. This activity has created a positive impact wherein all users   religiously filled up the logs. Every instrument was handled properly due to the SOPs written alongwith. It helped

in ease of operations of different instruments for the students of first year B.Sc. and M.Sc.

2. **Laboratory management**: The chemicals and glassware stocks were recorded with the involvement of PG students. The arrangement of glassware in different lockers with tags helped locate glassware and reduced wastage of time. Students inculcated the good laboratory culture and utilized glassware responsibly.

3. **Ease of Administration**: The faculty administration was automated through Gsuite.

4. **New Teaching methodologies**: Introduced effective methods of teaching such as Google Classrooms, Use of Simulations along with traditional ICT, smart board tools.

5. **Student Involvement in research activities**: Students are involved in the projects undertaken by staff. The students get benefit by understanding aspects of research like planning of experiments, instrument handling, data analysis and scientific writing.

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

The details are given in Annexure I.

7.3 Give two Best Practices of the institution

Best Practice No. 1

Title: Use of Log books

Context: To introduce the use of logbooks as a form of record to keep a check on the instruments in the laboratory. This generates a sense of responsibility on every user and keeps track of the instrument.

Aims: i) To keep data on the use of equipment on a daily basis.

ii) To monitor on the working condition of the equipment as per log book remarks.

iii) To keep a check on piling up of glassware in incubators, shakers and ovens.

Practice: All staff and students in the department are required to make an entry in the logbook while using equipments or special lab facilities like PTC lab. Every logbook contains columns of relevant information to be filled in by the user. A remark column is to be filled in which any problem encountered with the instrument can be written down.

Output:

i.   Better use of equipments.

ii. Increasing lifespan of instruments by better handling.

iii. Record of non working status of equipment reported immediately.

iv. Repairing is taken up on time due to immediate reporting .

v. Maintainence of equipment is done better.

Best Practice No. 2

Title: Analysis of ground water from South West Region of Nashik

Context: Conducting the bacteriological analysis in pre monsoon and post monsoon seasons

Practice: Professor and students analyzed the Water samples from wells in specific regions of Nashik with the aim of conducting the bacteriological analysis in pre monsoon & post monsoon seasons.

The impact of the study was crucial as it concluded extensive leachate contamination in the south west area of Nashik, upto 4-5 Km from the domestic water treatment plant.

The report was submitted to the NMC and further action was taken to restrict the pollution by MPCB.

As the report was covered by the local media, civil action by local doctors to conduct free medical checkups and provision of water tankers by corporators to the residents of the affected area was implemented.

Difficulties encountered: Chemical analysis of water is essential requirement, but due to lack of funds is could not be done.

7.4 Contribution to environmental awareness / protection

- The college faculty and students had worked for "PANI FOUNDATION" at VadgaonPingala from 5th -11th May 2018 for building continuous contour trenches for rainwater harvesting.

- Concept of 'Friendship with Environment' is celebrated on Friendship Day. Students are sensitized towards the wastage of energy and destruction of environment and encouraged to take up healthy practices towards sustaining their surroundings.

- Cleanliness drive (Swacch Bharat Abhiyan) and Tree plantation activity are regularly done by staff and students.

- Faculty and PG students of Environmental Sciences are encouraged to take up environment related projects.

- Biohazard material is decontaminated before disposal and its awareness created.
- The students are encouraged to use eco-friendly and recyclable materials for interior designing.
- Students of NSS are actively engaged in Nature Club activities.
- Screening of documentaries on Environmental pollution and prevention is done to create awareness among students.

7.5 Whether environmental audit was conducted?   Yes

Green Audit has been conducted of college campus including assessment of air, noise, water testing and carbon sequestration potential.

7.6 Any other relevant information the institution wishes to add.

(for example SWOT Analysis)

Strengths:

- A good percentage girl students.
- We have well qualified, dedicated teaching faculty which is inclined towards research.
- The departmentshave well equipped laboratories with state of art infrastructure as per requirement.
- The college has been granted a continuation of 2 years on the DBT Star College Scheme by Department of Biotechnology, Ministry of Science and Technology, Government of India.
- The college is in III Phase of College with Potential for Excellence
- A consistently good academic record of students.
- ACentral Instrumentation facility with modern sophisticated instruments like GC, HPLC, FTIR which cater to the analytical needs of researchers etc.
- Teaching faculty include field based teaching processes and pedagogical tools
- A separate placement cell ensures maximum employment to the students on campus.
- Adequate internet access to staff and students
- There is good interdepartmental rapport.
- An institutional repository accessible to students

Weaknesses:.

- Limited interdisciplinary and inter departmental research activities
- Inadequate number of outside state and foreign students
- Increasing pressure on available space
- Lack of Academic Autonomy

Opportunities:

- To upgrade the existing laboratory facilities.
- To avail grants from funding agencies.
- To work on emerging aspects with societal perspective such as disaster mitigation, GIS based planning, geotechnology, geoenvironmental and climate change studies is possible
- To sign MoUs with reputed companies.
- To enhance the collaborative research between academia and reputed industries and strengthen industry ties.

Challenges:

- To encourage students for various exchange programs
- To attract students towards non professional courses
- To develop computational knowledge and its applications in different fields

Annexure I. : Action Taken Report

Plan of Action	Action Taken/ Achievements
To start new courses as per the permission granted by the University to the proposals submitted in the previous year.	The College has started • The Choice Based Credit System introduced by the University is implemented of all PG programmes in all faculties • B.Voc (Printing and Technology)(Natural Growth) • B.Voc- Interior Design (Natural Growth) • M.Sc –Inorganic chemistry (Natural growth) • Started DBT activities in the departments who have received DBT grant • Community College Analytical Techniques in Pharmaceutical Research
To submit proposals seeking permission to start new programmes.	• The proposal seeking permission to start 3nd year B.Voc. Printing technology and interior design are submitted to the University
Extension of courses/Schemes; Research centres	• Taken extension for DBT and Career Oriented Course (COC) and Community college courses • Recognition of research laboratory of Microbiology department
To organize orientation programmes/ workshops for introduction and implementation of choice based credit system (CBCS) for PG courses.	• Department of Commerce organised Sill Development programme as per choice base credit system was organised under the subject communication skill for M.Com. classes
To instruct the various departments to volunteer to organize syllabus framing and orientation workshops	• The various departments have organized workshops on syllabus framing and orientation.
Increase in usage of ICT tools	• The faculty have included use of ICT tools in practical sessions. This help to make the session interactive. The practical sessions are also conducted using field tools.
To elicit feedback from students	• The feedback on teachers from students from UG and PG

and alumni.	courses has been elicited and analysed.
To encourage the teachers to write /publish textbook and practical manuals as per the revised syllabi.	• During the year **eight** teachers have published various text books as per the revised syllabi.
To conduct gender audit and environment audit	• Gender audit and Environment audit was conducted
To organize seminars/conferences /workshops /expert lectures etc	• Organised one National, two state level and twelve Seminars/conferences/ workshops
To promote faculty to undertake research projects.	• One major research projects is completed and 02 are ongoing. • one minor research projects is completed and 09 are ongoing
To encourage students participation in NCC and NSS at National level	• NCC and NSS students students have participated in State and National level events.
Extension of courses/Schemes; Research centres	• Taken extention for DBT and Career Oriented Course (COC) and Community college courses • Recognition of research laboratory of Microbiology department
Upgradation of research facilities	• Refurbished of the central instrumentation facility has been done.
To involve students in ongoing research projects	• Students are involved in ongoing research projects and encouraged to undertake research career. Under star college scheme undergraduate students are guided to take up small research projects.
To place purchase orders of various departments by conforming to the purchasing guidelines of Purchase Committee of the college.	• The equipment costing 17.34454 were purchased as per the requirements of departments
To purchase computer systems and other accessories as per requisition.	• 37 Computer systems have been purchased. The internet facility was extended to all computer systems.

To procure or update software related to MIS.	• Timely updates of MIS software in Administrative Office, Examination Database software in Exam Section and Book issuing- Receiving software in Central Library are done. Software for pay bill is developed and maintained as per the government guidelines.
Up-gradation and extension in CCTV surveillance	• CCTV surveillance was extended by installing high resolution digital cameras across the campus
To buy new textbooks and reference books and subscribe new journals.	• 601 Textbooks of Rs.1,12,675 and 1193 Reference books of Rs. 6,55,963 were added in Central library of the college.
To pay special attention to maintenance of infrastructure, equipment and other facilities	• A total amount of Rs. 1,00,67,062 was spent on Campus Infrastructure and facilities. Also Rs. 2,03,66,678 were spent on creating and maintaining other resources.
To strengthen Competitive examination cell	• Various departmental faculties and guest lecturers provides guidance for competitive exams for their students at competitive cell. • In allstudents qualified during the year in different competitive examinations.
To strengthen Counselling and career guidance cell.	• A full-fledged counselling centre has been formed in campus, catering the counselling services to students on various aspects. • Lectures were conducted on sexual harassment, domestic violence & ragging for female students, • Pre-marital counselling with respect to violence,stress, domestic arguments, and conditions leading to divorce. Two training workshops on counselling were conducted
Gender sensitization programmes.	• A five-day theme based programme on Gender sensitization - 'Sakhi Mahotsav' is organised through lecture series, film watching, interactive sessions and discourses, expression of students through speeches and art forms.
Cultural programmes competitions and events	Among other cultural activities carried out by the college the noteworthy are:

	• *Yuva Spandan* • *Chatur- Chatura* • *MVP* Marathon • *MVP Karandak* • Various Intercollegiate and University level events. • Indradanushya-2015-16
To organize annual social gathering and prize distribution ceremony.	• The annual social gathering and prize distribution ceremony were organized with great enthusiasm and fervour in the month of February as separate festivals: i. Arts festival ii. Commerce festival iii. Science festival iv. Computer Science festival v. BBA festival
Co-curricular and extra-curricular activity	• Students are encouraged to participated in various competitions at local / state and national levels and won prizes.

To strive to realize the goals of the college through sustained implementation of the objectives of the college under the guidance of the management of the parent institution.	• Financial support is provided to the College by the parent management for
	    o Infrastructure development.
	    o ICT Based teaching-learning
	    o To teachers and students for attending International/ National conference
	    o Development of Library
	 • Appraisal reports are evaluated every year by the management and improvements suggested to the respective teachers for effective teaching
	 • Outstanding Teacher is bestowed 'Best Teacher Award' on the occasion of *'Samaj Din'*.
	 • Decentralized and hierarchical allocation of responsibilities for better administration
	 • The Local Management Committee has helped the college

	in deciding upon
	(a) Strategic planning, (b) Decision making, (c) Day to day functioning.
To accelerate the process of acquisition of management information system by procurement of essential software and services.	• College has developed customized software for automation of different modules, admission, scholarship, accounting, examination, library, payroll and many more. The summarized report generated by this software helps the management and principal for decision making.
	• This year the college has developed software to analyse the feedback.
To submit proposals for various activities, infrastructure, procurement, staff recruitment etc. to the management for sanction.	• At the beginning of the academic year, as per the requirement received from all departments the purchase and account committee has submitted proposals for procurement of infrastructure and learning resources.
	• As per the workload and the norms of Savitribai Phule Pune University, Pune, proposal for faculty and staff was submitted to the management.
To elicit annual self appraisal reports from the faculty and non-teaching staff.	• Self appraisal reports are obtained from teaching and non-teaching staff.
	• Heads of departments after analyzing the reports have given necessary suggestions to faculty and staff for improvement, which are submitted to the principal.
To submit the performance report of the staff to the Management of the Institute for decisions and actions	• Performance assessment of faculty is done by self-appraisal report, teachers' diary, monthly report and comprehensive evaluation by students.
	• The feedbacks obtained are used for improvement in teaching/research contribution of faculty.
	• Reports are forwarded to the management after assessment by head of departments and the Principal.
To explore and implement welfare schemes for teachers, non-teaching staff and students.	**Welfare schemes for staff:** Contributory PF, Loan from credit societies, Free Medical Check up, Group Medi-claim
	Welfare schemes for students:

	Compulsory Medical check up camp for first year students organized in association with a medical college, a sister institute. Accident Insurance scheme.
	Earn and learn scheme for needy students.
	Vidyarthi Suraksha Yojana under BSW.
	Group Mediclaim
To organize CAS-PBAS camps for promotion of eligible teachers.	• CAS-PBAS Camps were organized.
To carry out annual financial audit.	• All payments regarding infrastructure, maintenance and new purchase is made by pre-audit system. The Chartered Accountant is identified by the parent management for pre-audit and annual financial audit.
To carry out academic and administrative audit	• Internal informal audit is carried out by a team of management representatives, Principal and Vice Principals by perusing examination results, teacher's diary, monthly report and self appraisal reports.
To organize programmes of environmental awareness	• Programmes of environmental awareness such as Tree Plantation, No vehicle day, *Vasundhara Yojana*, Godavari *Swachchhata Abhiyan,* Cleanliness Drive under the auspices of *Nirmal Gram*, the NGO have been organized.
To explore, select and implement best practices in every department and at the level of college	• HODs of all departments were instructed to implement best practices like-Seminars of eminent personalities, Study tour, Student and Society awareness programme, Debating and reading club, wallpapers, Samaj Jagruti Manch etc.
To organize programmes on the issues of environmental awareness.	• NSS, NCC unit has consciously focused on environmental issues like Pollution Control Drives, Carbon Reduction, CCT and Plantation work, Action against Plastic Use, River Cleanliness Campaign, and Environment Awareness Building March and implemented many activities like-Fuel Conservation Awareness Programme' in association with PCRA, *Harit Urja Dindi (Green Energy March)* to *Pandharpur* , fuel conservation campaign, use of

	renewable energy, check dam construction, Several Blood donation camps were organized, AIDS awareness rally
	• Environmental Awareness course is conducted for second year UG students of all faculties
	• Green Audit and Energy audit conducted every year in college
	• All the Departments participate in awareness program for efficientuseof electricity like 'Save Electricity Campaign'
	• Study tours to villages and concerned places for enhancing environmental awareness
	• Efforts for Carbon Neutrality, Avoiding use of plastic
	• Initiatives for rainwater harvesting
	• Solar energy plant of Physics department is revitalized with new instruments
	• The Department of Physics has established 'Energy Laboratory' that includes working models of solar heater, solar cookers, and other solar power generators
	• Generated the manure from organic waste from girls hostel
	• Solar energy plants at Girls and boys hostel
	• Using micro scale techniques for regular chemistry practical's and included most of the green chemistry practical's for UG and PG Chemistry students
	• Reasonable treatment is done on the chemical waste
To carry out SWOC analysis of departments and the college.	• SWOC analysis is prepared by IQAC research team with frequent meetings with Head of the departments and teaching and non teaching staff.
To organize MVP Karandak, a national level elocution competition.	• MVP Karandak, a Three-Day National level Elocution Competition in Hindi, English and Marathi was organized on the occasion of Swami Vivekananda Jayanti (12th January).
Use of logbooks for every instrument in laboratory	• PG students under the guidance of staff prepared logbooks

	for laboratory instruments. SOPs for the instruments were also prepared.
To organize MVP Marathon, a national level athletics competition.	• MVP Marathon was organized on the first Sunday in the month of January
To organize Health Check up Camps for all students	• Health Check up Camp was organized for all students of college at entry level
To adopt a village and undertake work on water conservation, cleanliness drive, open defecation eradication campaign.	• NSS unit adopted *Sayyad Pimpri* village from 2012 onwards with a view to concentrate on multi-faceted developmental activities there. The activities include-village surveys, cleaning, construction of Bandh (small dams), soil and water conservation works like CCT, plantation, literacy and education based work, awareness building on bad habits, blind belief, gender issues, empowerment of Panchayats and local democracy, health services awareness rallies on road safety, Save Girl Child, save energy etc.
Tree plantation campaign	• Planted more than 50 trees during the year in Nasik city and in the adopted village
Celebrating various days	• Students were guided about social value and responsibility towards society on the occasion of a teacher's day • Ozone Day • Participated in Independence Day Parade, • Celebrated Samaj Din, Sports Day and Marathon and AIDS Day
Bacteriological analysis of water sample (Department of Microbiology)	• Department of Microbiology conducted **Bacteriological analysis** of water samplefrom all the outlets in campus
Board of Students Welfare activities	• HIV AIDs Rally 1st Dec. 17 • Voter Registration Campaign • Milun Saryajani (We Women Together) Special Lecture organised • Special guidance program for 400 educationally backward students of B.A. and B.Com. 20 lectures were organized

	for English, Soft Skills, and Accountancy etc.
Film show screening	• Biotechnology department showed films related to basic sciences to students as a cocurricular activity. • Films like 'future of energy- how we will do it', 'Discovering the elements' , 'order of the elements' , 'Power of the elements' ,'The cell- chemistry of life' were screened.

Annexure – II   **Annual Plan for next academic year**

Criterion I: Curricular Aspects

1. To apply for new courses as per the permission granted by the University and UGC to the proposals submitted in the previous year.
2. To submit proposals seeking permission to start new programmes.
3. To elicit feedback on courses from students and alumni.
4. To encourage the teachers to write/publish textbook and practical manuals as per the revised syllabi.

Criterion II: Teaching, Learning and Evaluation

1. To organise workshop for ICT and e-resources in teaching
2. To participate in various Swayam and Mooc Courses
3. To organize National and International Level Conferences/Seminars in various discipline
4. To organise various faculty enrichment programmes

Criterion III: Research, consultancy and extension

1. To organize research orientated workshops
2. To promote faculty to undertake research projects.
3. To generate more funds for research and consultancy
4. To encourage students participation in NCC and NSS at National level
5. To encourage faculty and students to publish research work in reputed Journals
6. To establish new collaboration and linkages
7. To promote students for participation in various research competitions at various levels

Criterion IV : Infrastructure and Learning Resources

1. To submit proposals for extension of infrastructure
2. To place purchase orders of various departments by conforming to the purchasing guidelines of Purchase Committee of the college
3. To purchase computer systems and other accessories
4. To update software modules in MIS
5. To purchase textbooks and reference books and subscribe new journals in library
6. To provide special learning resources and other facilities to differently-able students
7. To upgrade Compost Manure System

Criterion V: Student Support and Progression

1. To strengthen the counselling cell and placement activities.

2. To raise the participation of companies in Campus interviews

3. To increase the corpus fund amount and the number of beneficiaries

Criterion VI: Governance, Leadership and Management

1. To accelerate the process of acquisition of management information system by procurement of essential software and services.

2. To bring qualitative improvement in services extended by administrative offices.

3. To strive to realize the goals of the college through sustained implementation of the objectives of the college under the guidance of the management of the parent institution.

4. To hold periodical meetings with the Faculty, Non-teaching staff and the students to convey important decisions.

5. To constitute the committees to organize various functions of the college.

6. To encourage and ensure interaction and cooperation between the various departments.

7. To elicit annual self appraisal reports from the faculty and non-teaching staff.

8. To submit the performance report of the staff to the Management of the Institute for decisions and actions.

9. To explore and implement welfare schemes for teachers, non-teaching staff and students.

10. To organize CAS-PBAS camps for promotion of eligible teachers.

11. To take efforts for mobilization of resources and enhance the corpus fund credits

12. To carry out annual financial audit.

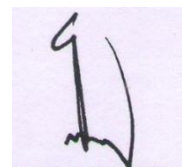13. To carry out academic and administrative audit.

Criterion VII: Innovations and Best Practices

1. To inculcate interest about higher education and research among students

2. To start the interdisciplinary courses

3. To develop Massive Open Online Courses

4. To introduce Sandwich pattern in Interior designing course.

5. To enhance the exchange programmes for students and faculties

6. To organize the Workshop on new areas like Machine Learning and Data Analytics.

7. To strengthen industry academia collaborations and enter into MoU.

8. To upgrade departmental museum of geological specimens.

9. To organize Exhibitions for students and stakeholders

Name: **Dr. M.N. Shelar**   *Name:* **Principal Dr. V. B. Gaikwad**

Signature of the Coordinator, IQAC   *Signature of the Chairperson, IQAC*