Shri. Gopinath Mahadeo Vedak Pratishthan's

G.M.Vedak College of Science

Nandadeep At & Post-Tala, Tal. Tala, Dist.- Raigad, Pin: 402111

(Maharashtra)

(Affiliated to University of Mumbai)

Annual Quality Assurance Report (AQAR) of
The Internal Quality Assurance Cell

Submitted

To

The Director

National Assessment & Accreditation Council

Bangalore-560072, (Karnataka)

The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

1. Details of the Institution

1.1 Name of the Institution

Shri. Gopinath Mahadeo Vedak Pratishthan's G. M. Vedak College of Science, Tala

1.2 Address Line 1

Nandadeep, At & Post- Tala

Address Line 2

Taluka- Tala, Dist-Raigad

City/Town

Tala

State

Maharashtra

Pin Code

402111

Institution e-mail address

gmvtala@ymail.com

Contact Nos.

(02140) 269008

Name of the Head of the Institution:

Dr. Vijay M. Sarode

Tel. No. with STD Code:

022-25826143

Mobile:

+91 9869353150

Name of the IQAC Co-ordinator: Mr. Jaydeep V. Deore

Mobile: +91 7738087040

IQAC e-mail address: gmv.iqac2017@gmail.com

1.3 NAAC Track ID MHCOGN16

1.4 NAAC Executive Committee No. & Date: EC(SC)/28/A&A/7.1 dated 22-10-2017

1.5 Website address: www.gmvcs.org.in

Web-link of the AQAR: http://www.gmvcs.org.in/IQAC/AQAR-2017-18.doc

1.6 Accreditation Details

Sr. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	B+	2.52	2017	2022

1.7 Date of Establishment of IQAC: 12/10/20

1.8 AQAR for the year 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)*

   i. AQAR _____NA_____ (DD/MM/YYYY)

1.10 Institutional Status

University   State ☐   Central ☐   Deemed ☐   Private ☐

Affiliated College   Yes ✓   No ☐

Constituent College   ☐ Yes   ✓ No

Shree Gopinath Mahadeo Vedak Pratisthan's G. M. Vedak College of Science, Tala-Raigad-40211

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)   NIL

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

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

Autonomy by State/Central Govt. / University   No

University with Potential for Excellence   Nil   UGC-CPE   Nil

DST Star Scheme   Nil   UGC-CE   Nil

UGC-Special Assistance Programme   Nil   DST-FIST   Nil

UGC-Innovative PG programmes   Nil   any other (*Specify*)   Nil

UGC-COP Programmes   Nil

Shree Gopinath Mahadeo Vedak Pratisthan's G. M. Vedak College of Science, Tala-Raigad-40211

2. IQAC Composition and Activities

2.1 No. of Teachers | 07 |

2.2 No. of Administrative/Technical staff | 02 |

2.3 No. of students | 1 |

2.4 No. of Management representatives | 1 |

2.5 No. of Alumni | 1 |

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 | |

2.9 Total No. of members | 14 |

2.10 No. of IQAC meetings held: 08

2.11 No. of meetings with various stakeholders: No. | 5 | Faculty | 2 |

Non-Teaching Staff Students | 2 | Alumni | 1 | Others | |

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

If yes, mention the amount | NIL |

2.13 Seminars and Conferences (only quality related)

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

Total Nos. | 02 | International | | National | 01 | State | | Institution Level | 01 |

(ii) Themes: **National conference** on "Modern Research Tools in Science"
Institutional Level: Principals' conclave on "Teaching sustainable development goals and climate change education for safer planet" Principal Conclave.

2.14 Significant Activities and contributions made by IQAC

- Regular Interaction with HODs and in-charge of other department for maintaining and sustaining quality education as directed by IQAC.
- IQAC is constantly evaluating teaching learning process through feedback from students.
- Management supports for Research Projects and encourages research collaborations.

- IQAC promotes research culture among students having innovative ideas to participate in the University of Mumbai research programme "Avishkar".
- Encouragement is given to students to participate in different events like Sports / NSS / Cultural activities/Department of Lifelong Learning and Extension.
- IQAC has insisted and encouraged the use of ICT for enhancing the quality of teaching learning process.

2.15 Plan of Action by IQAC/Outcome

The plan of action is being chalked out by the IQAC in the beginning of the year towards quality enhancement in all aspects and the outcome achieved at the end of the year

Plan of Action	Achievements
• Proposal was submitted to University of Mumbai to start M.Sc. organic Chemistry	• Permission received from UoM. and Govt. of Maharashtra to start M.Sc. part-I (2018-19)
• Workshop on "Ocean State Forecast and Potential fishing zone" for coastal people and fisherman community	• The college has conducted the workshop at Murud on 1st December 2017 in collaboration with Indian National Center for Ocean Information System (INCOIS).
• Principal Conclave (Workshop)	• IQAC successfully organized "Principal Conclave" on 13th February 2018.
• Enhancing Quality of Teaching and Learning	• Use of ICT • Online feedback is taken and analysed

* Attach the Academic Calendar of the year (Annexure-II).

2.16 Whether the AQAR was placed in statutory body ✓ ☐

Management ✓ Syndicate ☐ any other body ☐

Details of the action taken

The Management and IQAC approved the Annual Quality Assurance Report (AQAR) after a detailed discussion. They also suggested strengthening the industry-institution interaction and research & consultancy activities. The follow-ups were done periodically through the HODs meeting and other department level meetings.

Part – B
Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes:

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	00	00	00	00
PG	00	00	00	00
UG	**03**	00	**02**	00
PG Diploma	00	00	00	00
Advanced Diploma	00	00	00	00
Diploma	**01**	00	00	**01**
Certificate	**01**	00	00	**01**
Others	00	00	00	00
Total	**05**	**00**	**02**	**02**

Interdisciplinary	00	00	00	00
Innovative	00	00	00	00

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

With effect from academic year 2017-18, the University of Mumbai has implemented the Choice Based Credit System to all U.G. courses. The System allows the students to opt for certain elective subjects in the second year of the course.

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	03
Trimester	NA
Annual	NA

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

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

*Please provide an analysis of the feedback in the Annexure

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

- Syllabus of Second Year undergraduate courses was revised and updated by University of Mumbai from June 2017.The courses were revised by the University keeping in mind the changing trends and patterns in education and to keep pace with the global change in research and development.
- Choice based credit system was introduced.

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

NIL

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
13	13	NIL	NIL	NIL

2.2 No. of permanent faculty with Ph.D. 08

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	03	00	00	00	00	00	01*	04	04

*Principal

2.4 No. of Guest and Visiting faculty and Temporary faculty   Guest Lecturers 06

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	00	00	00
Presented	01	02	00
Resource Persons	00	02	00

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

- Group Discussion
- Power Point Presentation
- Seminars

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

Online question paper delivery system has been introduced by University of Mumbai and is implemented by the college successfully and the college has created necessary

infrastructure facility for it. Department of IT and CS are conducting online unit test.

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

2.10 Average percentage of attendance of students 90%

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
F. Y. B.Sc.	81	-	27	22	31	98.76
S. Y. B.Sc.	76	-	02	47	27	100
T. Y. B.Sc.	94		14	49	25	93.61
F. Y. B.Sc. IT	13	05	04	03	-	92.3
S. Y. B.Sc. IT	21		01	17	03	100
T. Y. B.Sc.IT	15	01	08	05	01	100
F. Y. B.Sc. (CS)	02	-	01	01	-	100
S. Y. B.Sc. (CS)	06	-	03	03	-	100
T. Y. B.Sc. (CS)	03	-	01		02	100

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:
- IQAC analyses teaching – learning process through feedback from teachers, students and parents and after reviewing concern teachers are asked to implement the suggestions
- IQAC has insisted and encouraged the teachers to use ICT for enhancing the quality of teaching-learning process

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	02
UGC – Faculty Improvement Programme	00
HRD programmes	00
Orientation programmes	00
Faculty exchange programme	00
Staff training conducted by the university	01
Staff training conducted by other institutions	01
Summer / Winter schools, Workshops, etc.	00
Others	01

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	03	00	01	00
Technical Staff	06	00	00	02

Criterion – III

3. Research, Consultancy and Extension

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

- Induction of Research committee to monitor the research activity
- College promotes students to participate in the Avishkar Research Convention
- College encourages students to apply to Summer Trainee Programme
- College funding system (separate budget head) for promotion of research
- Provides TA/DA to attend/ present paper in the conferences/seminars/ workshops
- Provides registration fees to participate in conferences/ seminars/ workshops to teachers

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	00	00	00	01*
Outlay in Rs. Lakhs	00	00	00	55 lakhs

* INCOIS (Indian National Centre for Ocean Information Service)

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	01*	00	00	00
Outlay in Rs. Lakhs	0.30 lakhs	00	00	00

* University of Mumbai minor research project

3.4 Details on research publications

	International	National	Others
Peer Review Journals	03	00	00
Non-Peer Review Journals	00	00	00
e-Journals	00	00	00
Conference proceedings	01	01	00

3.5 Details on Impact factor of publications:

Range [1.5-2]   Average [1.75]   h-index [09]   Nos. in SCOPUS [02]

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	NIL	NIL	NIL	NIL
Minor Projects	NIL	NIL	NIL	NIL
Interdisciplinary Projects	NIL	NIL	NIL	NIL
Industry sponsored	NIL	NIL	NIL	NIL
Projects sponsored by the University/ College	NIL	NIL	NIL	NIL
Students research projects *(other than compulsory by the University)*	NIL	NIL	NIL	NIL
Any other(Specify)	NIL	NIL	NIL	NIL
Total	NIL	NIL	NIL	NIL

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

ii) Without ISBN No. NIL

3.8 No. of University Departments receiving funds from

UGC-SAP NIL   CAS NIL   DST-FIST NIL

DPE NIL   DBT Scheme/funds NIL

3.9 For colleges   Autonomy NIL   CPE NIL   DBT Star Scheme NIL

INSPIRE NIL   CE NIL   Any Other (specify) NIL

3.10 Revenue generated through consultancy NIL

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	--	01	--	--	01
Sponsoring agencies	--	_	--	--	Climate Change of India

3.12 No. of faculty served as experts, chairpersons or resource persons 02

3.13 No. of collaborations   International NIL   National NIL   Any other NIL

3.14 No. of linkages created during this year | NIL |

3.15 Total budget for research for current year in lakhs:

From funding agency | NIL | From Management of University/College | 0.36* |

Total | 0.3 | * College management

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	NIL
	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
NIL	NIL	NIL	NIL	NIL	NIL	NIL

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

and students registered under them | NIL |

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

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

JRF | NIL | SRF | NIL | Project Fellows | NIL | Any other | NIL |

3.21 No. of students Participated in NSS events:

University level | 06 | State level | 02 |

National level | NIL | International level | NIL |

3.22 No. of students participated in NCC events:

University level | NIL | State level | NIL |

National level | NIL | International level | NIL |

3.23 No. of Awards won in NSS:

University level	Nil	State level	Nil
National level	Nil	International level	Nil

3.24 No. of Awards won in NCC:

University level	Nil	State level	Nil
National level	Nil	International level	Nil

3.25 No. of Extension activities organized

University forum	NIL	College forum	03

NCC	NIL	NSS	06	Any other	NIL

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

   Responsibility

- Organized Principal`s Conclave ''Teaching Sustainable Development Goals and Climate Change Education for Safer Planet" on 16-02-18 in association with Climate Reality Project, Delhi for creating awareness among the teaching faculties about changing climate

- Workshop organized on Ocean State Forecast and Potential Fishing zone for the Societal Benefits among Costal people and fisherman societies, Coast Guard etc. dated 1st December 2017 at Borli-Mandala Fisherman Co-op. Soc. Ltd., Borli

- Mobile Science Laboratory (Firti Prayogshala) in and around schools in Tala village to inculcate science culture among school children.

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	42087.31 sq. meters	NIl	College Mgt.	42087.31 sq. meters
Class rooms	10	NIl	College Mgt.	10
Laboratories	09	NIl	College Mgt.	09
Seminar Halls	01	NIl	College Mgt.	01
No. of important equipment purchased (≥ 1-0 lakh) during	NIl	NIl	College Mgt.	NIl
Value of the equipment purchased during the year	NIl	NIl	College Mgt.	NIl
Others	NIl	NIl	College Mgt.	NIl

4.2 Computerization of administration and library

E-Granthalaya software, N-computing

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	871	99861	82	10256	977	113487
Text Books (Donated)	-	-	24	3370		
Reference Books	565	221038	65	38659	768	340944
Reference Books (Donated)	-	-	138	81247		
e-Books*	-	-	410		410	
e-Journals*	-	-	9040	10000	9040	10000
Digital Database*	-	-	24		24	
Journals	-	-	21	16424	21	16424
CD & Video	-	-	72			
Others (specify) Donated Marathi Literature Books	-	-	32	4435	32	4435

Remote Access is taken from Dr. Babasaheb Ambedkar University Aurangabad

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	34	01	4 Mbps	NIL	NIl	03	04	04
Added	00	00	00	NIL	NIl	00	00	00
Total	34	01	00	NIL	NIl	03	04	04

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

Training is being given to the students regarding networking etc.

4.6 Amount spent on maintenance in lakhs:

ICT	1.58
Campus Infrastructure and	2.47
Equipment's	1.47
Others	5.38
Total	**10.90**

Criterion – V
5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Induction day is being conducted every year for the fresher's. Principal and other staff members brief the students about curricular & extracurricular activities.
- Time to time updated information is uploaded on the college website.
  Information about support services are provided in the college prospectus.
- Library is equipped with various Text Books, Reference Books, Research Journals, e-journals, e-books, databases to supplement the thrust of students and to enrich their self-learning ability.
- A Grievance Redressal Cell is constituted to understand the grievances of the students, staff members and parents through feedback system.
- National Service Scheme encourage the students to take part in community development activities.
- Women Development Cell empowers the girl students and female faculty members.
- Anti-Ragging awareness created among the students.

5.2 Efforts made by the institution for tracking the progression

- Constant evaluation through class test, College and University examinations
- Monitoring student's progression through assignments, class seminars etc.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
319	-	-	-

(b) No. of students outside the state

Nil

(c) No. of international students

Nil

Men

No	%
190	59.56

Women

No	%
129	40.44

Last Year(2016-17)						This Year(2017-18)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
158	14	02	162	01	337	160	20	01	137	01	319

Demand ratio | 1:1 |

Dropout % | 0.55 |

Shree Gopinath Mahadeo Vedak Pratisthan's G. M. Vedak College of Science, Tala-Raigad-40211

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

- Counselling & placement cell is established for career guidance. Various advertises, opportunities in competitive exam, motivating articles are displayed on notice board by this cell.
- College organises various guest lecturers with specialized fields like Banking, Civil Services, etc.

5.5 No. of students qualified in these examinations

NET [Nil]   SET/SLET [Nil]   GATE [Nil]   CAT [Nil]

IAS/IPS etc [Nil]   State PSC [Nil]   UPSC [Nil]   Others [-]

5.6 Details of student counselling and career guidance

- Experts lectures are organised on the regular basis related to various fields

No. of students benefitted [Nil]

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
00	00	00	00

5.8 Details of gender sensitization programmes

On the occasion of International Women's Day on 8th March 2017, a thematic movie, 'Mirch-masala' was shown to the students.

5.9 Students Activities

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

State/ University level [Nil]   National lev [Nil]   International le [Nil]

No. of students participated in cultural events

State/ University level [32]   National level [Nil]   International level [Nil]

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

Sports: State/University level | Nil | National level | Nil | International level | Nil |

Cultural: State/University level | 01 | National level | Nil | International level | Nil |

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	06	16660
Financial support from government	*	00*
Financial support from other sources	Nil	Nil
Number of students who received International/ National recognitions	Nil	Nil

College receive financial amount as and when the amount is sanctioned by govt.

5.11   Student organised / initiatives

Fairs   : State/ University level | Nil | National level | Nil | International level | Nil |

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

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

5.13 Major grievances of students (if any) redressed:

Nil

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision:	Spreading the light of knowledge and enlightenment.
Mission:	To provide superior science education and training that prepares individuals to realize their full potential and will best serve the nation.

6.2 Does the Institution has a management Information System

Yes, The Management Information System is used in the functioning of the college for administrative process including Finances, admission process, student registration, fee structure, student records enrolment and exam forms.

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

6.3.1 Curriculum Development

As an affiliated college, the curriculum is designed by university. The syllabi of various courses run by the college are as per the curriculum of Mumbai University. The faculty members attain the workshop conducted by the Board of Studies of Mumbai University for various subject regularly and give their valuable suggestion for the curriculum development.

6.3.2 Teaching and Learning

- Innovative methods are adopted for teaching and learning process.
- Remedial classes are held for the students requiring additional help.
- Well-equipped library for both faculty and students.
- Excellent collection of rare and latest books and journals.
- Regular feedback from students to improve teaching and learning methods.
- ICT facilities are provided to teachers to make teaching and learning more effective and fruitful.
- Teachers encourage talented students for participating in various competitive examinations, research work, and in various workshops.

6.3.3 Examination and Evaluation

- Summative evaluation of students is carried out at the end of the session in the form of University semester examinations that is necessary for broader benchmarking of our students
- The record of the evaluation process is transparent. The results are displayed on notice board and the photocopies of answer books are shown to the students.

- Continuous evaluation through different methods like internal assessment test, assignments, presentations, projects etc.
- Transparency is maintained in evaluation process.
- Examination committee to ensure smooth conduct of examinations.
- The end semester examination question paper is set by Mumbai University.
- The practical examination is conducted with internal and external examiners.

6.3.4 Research and Development

- Teachers are motivated to apply for research projects to UGC and BCUD, Mumbai University and other funding agencies.
- A Research committee is functional to promote research.
- IQAC promotes each Department of the college takes initiatives in organization of university, state and national level workshops, seminars and conferences for teachers as well as students.
- Students are also inspired and assisted to participate in research activities and its presentation in conferences, University level research competition Avishkar.
- The college plays vital role in providing financial assistance for the same.
- College library provides necessary research support.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- Library is partially automated with "E-Granthalaya' software.
- Bar coding of books is done.
- The library has remote access to Dr. Babasaheb Amabedkar Marathwada University for e-journals and e-books.
- Various CD's are available in the library for students and faculty members.
- Computer labs with internet facility are accessible to students.
- Well-equipped physics, chemistry, zoology labs are available for students

6.3.6 Human Resource Management

- Faculty and Staff are encouraged to participate self-development programmes
- The institution recruits qualified teachers and non- teaching staff as per the guideline of UGC, University of Mumbai and Government of Maharashtra.
- The Management appoints temporary faculty on posts which are not filled.
- Sanctioned work-load is distributed to each faculty by the respective head of the departments.

6.3.7 Faculty and Staff recruitment

The requirements of the curriculum are met by adopting following strategies.
- Teachers are appointed according to the guidelines of UGC and State Government.
- Numbers of teaching and non-teaching posts are sanctioned by Joint Director of Higher Education, Govt. of Maharashtra, on the basis of students' strength.

- Temporary teachers are appointed on the basis of CHB according to the rules of Government of Maharashtra.
- Teachers are inspired for research to pursuing M.Phil. and Ph.D.
- Teachers are encouraged to do research and apply for research projects

6.3.8 Industry Interaction / Collaboration

To arrange industrial visits and encourage research projects in collaboration with industry.

6.3.9 Admission of Students

- The college follows the guidelines prescribed by UGC, Govt. of Maharashtra and Mumbai University for admission of different courses.
- Students belonging to lower economic strata are given priorities during the admission process.
- Admissions for First Year B.Sc. are given on first come priority basis.

6.4 Welfare schemes for

Teaching	Staff Quarters
Non-teaching	
Students	Hostel

6.5 Total corpus fund generated | Nil |

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

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	NO		NO	
Administrative	Yes	JD office, Panvel	NO	

6.8 Does the University/ Autonomous College declares 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 send Question Papers of B.Sc., B.Sc. (Com.Sci. & IT) an hour before to the respective colleges online.
- Choice Base Credit system are made compulsory for UG courses by the University.

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

NIL

6.11 Activities and support from the Alumni Association

- Every academic year Alumni meet is arranged in the month of January
- Alumni interact with the stakeholders namely teachers, non-teaching staff and present students and give their feedback about various activities.

6.12 Activities and support from the Parent – Teacher Association

Regular Parent-Teacher meetings are held for strengthening the relationship and association between parents and the college. Parents are informed about their ward's development. They are free to interact with faculty and provide feedback on various issues like performance of their wards, quality of teaching and infrastructure. They are also invited to attend annual Convocation Ceremony and Annual Prize Distribution Function.

6.13 Development programmes for support staff

- Meetings of Lab assistants and lab attendants are conducted for giving guidance on laboratory safety.
- Training activities like campus safety, use of fire extinguisher, lab safeties etc. are conducted for their development.
- The support staffs are allow to attained workshop seminar related to their work.
- The support staffs are trained according to the needs of their specific departments.
- Workshop on lab safety was organised for Lab assistants and attendants.

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

- NSS unit of our college implemented activities such as tree plantation, clean campus etc. in the college and in the adopted village.
- Organized lecture of experts on this topic in NSS special camp and in college.

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.

Online feedback system (http://gmvcs.org.in/feedback.html)

The college have initiated online feedback system to save the paper work. The stakeholders of the college use their mobile handsets to fill up the online feedback forms. This process enables fast and efficient analysis of data.

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

1	Plan – To start M.Sc. programme in Organic Chemistry **Action Taken**: Mumbai University and Govt. accepted our proposal to start the programme M.Sc. in Organic Chemistry.
2	Plan– To arrange the workshop on "Ocean State Forecast and Potential fishing zone" for coastal people and fisherman community. **Action Taken:** The College has conducted the workshop at Murud on 27th Jan 2017 in collaboration with Indian National Center for Ocean Information System
3	Plan- To arrange the National conference on "Modern Research Tools in Science" **Action Taken:** A National conference on "Modern Research Tools in Science" was organized in our college on 19th of August 2017.
4	Plan- To organize district level elocution and debate competition **Action Taken:** District level elocution and debate competition was organized by the cultural committee of our college.
5	Plan- To organize district level Chess and Carom competition. **Action Taken:** District level Chess and Carom competition was organized by the sports committee of our college.

7.3 Give two Best Practices of the institution

1	"Firti Prayogshala" a mobile laboratory: For the popularization of science among the school children our college has conducted programmes in nearby schools.
2	"AADHAR FUND" for economically weaker students Financial support has been provided to the brighter students from economically weak section. No. of beneficiaries: 6 Total amount dispersed: 16,600/-

7.4 Contribution to environmental awareness / protection

> 1. The IQAC has conducted Principals conclave on "Teaching sustainable development goals and climate change education for safer planet" (16th Feb 2018) with the support from the climate reality project, India.
>
> 2. Plantation is made within the campus.

7.5 Whether environmental audit was conducted?   ☐   ☑

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

> **Strengths**
> - Good final year results
> - Best teaching and learning practices
> - College conducts number of events for the development of faculty and students.
>
> **Weakness**
> - Lack of patents
> - lacking consulting activities
> - The institution located in rural and backward area
>
> **Opportunities**
> - Scope for research in life sciences.
> - Higher education
> - Collaborative research
>
> **Threats**
>   Reducing no. of students

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

> In order to have more learning facilities in the College and to have maximum utilization of the faculty members, College is intended to apply and to get permissions from the University and Govt. in the following respect:
>
> - To start Research Center in CHEMISTRY with specialization in Organic Chemistry.
>
> - To increase 40 more seats for M.Sc. with Organic Chemistry.
>
> - To start Post Graduate Courses in Physics Zoology and Information Technology.
>
> - To start Undergraduate Course such as: B.Sc. with Botany, Mathematics and Statistics.
>
> - To start Managerial, Accounting and Mass Media Courses such as:
>   - B.M.S. (Bachelor of Management), B.C.A.F. (Bachelor of Commerce in Accounting and Finance), B.M.M. (Bachelor of Mass Media)

Besides, to start add-on Certificate / Diploma courses such as

- Apparatus repairing and maintenance / calibration etc. in consultation with WIRC, Mumbai**.**

In addition to this,

- To setup linkages with the Industries.

- To make collaborations with the Research Centres.

College will make every effort to obtain

- Permanent Affiliation (2f) and
- Will also apply to UGC for getting various grants from UGC (12b).

Efforts will also be made
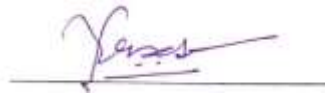
- To increase Reference Books, Text Books with revised editions, Research Journals etc.
- To improve Transport facility to the students as they are coming from the remote, hilly and backward areas.
- Strengthen Sports and Cultural activities.

College will also encourage faculty members

- To organize seminars, Conferences, Workshops which will facilitate to faculty members to exchange of research knowledge, syllabi revision etc.

Name **Mr. Jaydeep Valmik Deore**   *Name*   **Prin. Dr. Vijay M. Sarode**

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

_____ ***** _____

Recommendation for Quality enhancement of the Institution by NAAC
(1st Cycle 8th-9th September 2017)

- College needs to organize seminar, conferences and workshops

- Library to be enriched with more books of recent edition, Laboratory manuals and periodicals

- Transportation facility for students to be enhanced

- Recognition from UGC under 2(f) and 12 (B) may be obtained

- Motivate teachers for research culture

- College may introduced Botany as core subject and value based Add on Courses to suit the local needs

- ICT enabled teaching may be enhanced

- Feedback analysis from all stake holders to be strengthened

- Efforts may be put in to attract more students

- Sports facility including playground may be strengthened

Annexure I

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
INCOIS	-	Indian National Centre for Ocean Information Service
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

Annexure II

Shri. Gopinath Mahadeo Vedak Pratishthan's
G.M.Vedak College of Science, Tala, Raigad.
Affiliated to Mumbai University
ACADEMIC CALENDER : 2017-18

MONTH	Mo	Tu	We	Th	Fr	Sa	Su	GMVCS EVENT	PUBLIC HOLIDAYS
				1	2	3	4		
	5	6	7	8	9	10	11	5th of June: Term Begin, Staff Meeting	
	12	13	14	15	16	17	18		
Jun-18	19	20	21	22	23	24	25	21st of June: Celebration of International YOGA Day, 24th of June: Poster Competition (Zoology Dept.), Tree plantation (NSS)	
	26	27	28	29	30			29th of June: Gopinath Mahadeo Vedak Death Anniversary, Elocution competition (cultural dept.)	26th June: Ramzan Id
							1	2	
Jul-18	3	4	5	6	7	8	9	6th of July: F.Y. B. Sc. Student Induction Program, 7th of July: Guest Lecture (Physics dept.), 8th of July: Guest Lecture (Zoology dept.), Science Lecture Series (Science Association)	
	10	11	12	13	14	15	16	12th of July: Intercollegiate tournament selection; Indoor Sports Competitions, 15th of July: Excursion tour(Zoology dept.),	
	17	18	19	20	21	22	23	18th of July: Library user Education Program 23rd of July: Orientation Program by DLLE,NSS, 24th of July: Guest Lect. (Chem Dep.	
	24	25	26	27	28	29	30	29th of July: Environment Awareness Program for nearby Community (Zoology Dept.)	
	31							31st of July: Educational Tour (Physics dept.)	
		1	2	3	4	5	6	3rd of Aug : WDC workshop on education, 4th of Aug: College Found. Day ; Welcome function for New Students	
Aug-18	7	8	9	10	11	12	13	8th of Aug: Industrial Visit for students (Chem. Dept) 10th of Aug: Library Day 12th of Aug: Science Lecture Series (Science Association)	
	14	15	16	17	18	19	20	16th of Aug: Lecture on competitive exam;	15th of Aug:Independence Day, 17th of Aug: Parshi New Year
	21	22	23	24	25	26	27	25th of Aug to 29th of Aug: Term Break	25th of Aug: Ganesh Chaturthi
	28	29	30	31					
					1	2	3	1st of Sept. to 5th of Sept: Unit test;	2nd of Sept: Bakri ID
Sep-18	4	5	6	7	8	9	10	5th of Sept: Teachers Day Celebration; 9th of Sept: Science Lecture Series (Science Association); 10th of Sept: Poster and Rangoli competition by DLLE, community Level Activity	
	11	12	13	14	15	16	17	14th of Sept: Guest lecture (WDC)	30th of Sept: Dasara
	18	19	20	21	22	23	24	26th of Sept to 15th of Oct.: Practical and theory Examinations	
	25	26	27	28	29	30			1st of Oct: Moharam
							1		2nd of Oct. Mahatma Gandhi Jayanti
	3	4	5	6	7	8	9		
Oct-18	10	11	12	13	14	15	16	15th of Oct: Vachan Prerna Diwas, Dr. A.P.J. Abdul Kalam Birth Anniversary	
	17	18	19	20	21	22	23	17th of Oct: Vacation starts	19th of Oct. Laxmipujan
	24	25	26	27	28	29	30		
	31								
			1	2	3	4	5		
	6	7	8	9	10	11	12	07th Nov. term begin,Workload Distribution	
Nov-18	13	14	15	16	17	18	19		
	20	21	22	23	24	25	26	2nd term orientation program by DLLE, 24-30th Nov. NSS camp	
	27	28	29	30				28th Nov: community level activity by DLLE	
						1	2	3	1st Dec: Workshop on Ocean State Forecast and Potential Fishing zone for the Societal Benefits among Costal people and fisherman societies	1st Dec: Id e Milad
Dec-18	4	5	6	7	8	9	10	4 Dec: Poster compitition/blood donation camp, 05-06th Dec	
	11	12	13	14	15	16	17	12-15th Dec: Cultural Events	
	18	19	20	21	22	23	24		
	25	26	27	28	29	30	31	26-31st Dec: winter Break	
	1	2	3	4	5	6	7		
	8	9	10	11	12	13	14		
Jan-19	15	16	17	18	19	20	21		
	22	23	24	25	26	27	28		26th January, Republic Day
	29	30	31						
				1	2	3	4	1-5th Feb: Tech Fest (By IT and CS) 8th Feb "Principals Conclave" on Climate change by IQAC	
	5	6	7	8	9	10	11		
Feb-19	12	13	14	15	16	17	18		13th February, Mahashivratri
	19	20	21	22	23	24	25	28th Feb: Science Day	19th February, Shivaji Jayanti
	26	27	28						
				1	2	3	4	1-5th March: unit Test Examination	2nd March, Holi
	5	6	7	8	9	10	11	8th March: International Womens Day (WDC), Guest Lecture	
Mar-19	12	13	14	15	16	17	18		
	19	20	21	22	23	24	25		
	26	27	28	29	30	31		31st March: Farewell Function	29th March, Mahavir Jayanti, 30th March, Good Friday,
							1	1-10th April: Practical Examination	
	2	3	4	5	6	7	8		
APRIL	9	10	11	12	13	14	15	12th April: Semester Theory Exam.	14th April, Dr. Ambedkar Jayanti
	16	17	18	19	20	21	22		
	23	24	25	26	27	28	29		
	30								30th April, Buddha Purnima
		1	2	3	4	5	6		1st May, Maharashtra Day
	7	8	9	10	11	12	13		
MAY	14	15	16	17	18	19	20		
	21	22	23	24	25	26	27		
	28	29	30	31					

Holidays / Sunday   Exam   Vacation   Working Days

Annexure-III
Formats for various Feedbacks
on College

Stakeholder details

1. Please submit feedback : Read following statements and give your comments by selecting on any one of the option.
2. You need not disclose your identity.

Feedback taken by IQAC of G.M. Vedak College of Science, Tala-Raigad

* Required

1. **Student Name**

_____

2. **Gender** *

Mark only one oval per row.

	Female	Male
Gender	◯	◯

3. **Academic Year** *

Mark only one oval.

◯ 2018-18

4. **Class** *

Mark only one oval per row.

	FY B Sc	SY B.Sc	TY B.Sc.	FY IT	SY IT	TY IT	FY Com. Sci.	SY Com. Sci.	TY Com. Sci.
Class	◯	◯	◯	◯	◯	◯	◯	◯	◯

Students Satisfactory Feedback on College
Please submit feedback

Stakeholder details

5. *

Mark only one oval per row.

	Poor	Satisfactory	Good	Excellent
Infrastructure and maintenance	◯	◯	◯	◯
Support from office & Administrative Staff	◯	◯	◯	◯
Drinking water facility	◯	◯	◯	◯
Service for overall development such as extra & co-curricular activities, soft skills programmes, N. S. S. & DLLE	◯	◯	◯	◯
Sports & Gymkhana facilities	◯	◯	◯	◯
Class room facilities	◯	◯	◯	◯
Cleanliness and ambience	◯	◯	◯	◯
Canteen Facility	◯	◯	◯	◯
Student Grievance Redressal	◯	◯	◯	◯
Security in college premises	◯	◯	◯	◯

6. **Overall rating** *

Mark only one oval per row.

	Disagree	Neutral	Agree
The college provides multiple opportunities to learn and grow	◯	◯	◯
College makes effort to enggage students in monitering, review & continous quality improvement of the teaching learning process	◯	◯	◯
Overall quality of teaching-learning process in the college is very good	◯	◯	◯

7. **How would you improve this college?**

_____

Shree Gopinath Mahadeo Vedak Pratisthan's G. M. Vedak College of Science, Tala-Raigad-40211

Teacher Evaluation

Teachers Evaluation

4. Level of effort *

Mark only one oval per row.

	Every time	Usually	Occasionally	Rarely	Never
Illustrate the concepts through examples and applications (उदाहरणे आणि अनुप्रयोगांद्वारे संकल्पना स्पष्ट करतात?)	◯	◯	◯	◯	◯
Able to identify your weakness & help you to overcome them(आपल्या दुर्बलतांना ओळखून आणि त्यांना मात करण्यास मदत करताना	◯	◯	◯	◯	◯
Inform you about your expected competencies, course outcomes & programme outcomes (आपल्या अपेक्षित कौशल्य, अभ्यासक्रम परिणाम आणि कार्यक्रम परिणामांबद्दल आपल्याला सूचित करतात?)	◯	◯	◯	◯	◯
Stimulated interest in the subject (विषयात रुची वाढवता?)	◯	◯	◯	◯	◯
Stimulated me to think and learn(विचार करण्यास आणि शिकण्यास प्रोत्साहन देतात?)	◯	◯	◯	◯	◯

5. Preparation *

Mark only one oval per row.

	Thoroughly	Satisfactorily	Poorly	Indifferently
How well did the teachers prepared for the classes?	◯	◯	◯	◯

6. Use of ICT *

Mark only one oval per row.

	Above 90%	70-89%	50-69%	30-49%	below 29%
Percentage of ICT (multimedia, google class rooms etc.)tools used by the teacher	◯	◯	◯	◯	◯

7. Teaching approach *

Mark only one oval per row.

	Excellent	Good	Fair	Poor
The teacher approch to teaching can best be described as(शिक्षकाचा अध्यापनाचा कल चांगल्या पद्धतीने असा वर्णन करता येईल)	◯	◯	◯	◯

Shree Gopinath Mahadeo Vedak Pratisthan's G. M. Vedak College of Science, Tala-Raigad-40211

Teachers Evaluation

8. Overall rating *

Mark only one oval per row.

	Agree	Neutral	Disagree
Teacher was punctual in conducting the theory lectures/ Practicals/ through out the term/year: शिक्षकाने आपले तास व प्रात्यक्षिके वेळेवर व नियमित घेतले.	◯	◯	◯
The lectures of the teacher in the classroom were clear, audible and easy to understand: शिक्षकाचा आवाज स्पष्ट व अध्यापन सहज समजेल असे होते.	◯	◯	◯
Teacher has always tried to provide updated subject knowledge to the students: शिक्षकाने विद्यार्थ्यांना विषयाचे अद्ययावत व विविधांगी ज्ञान देण्याच्या प्रयत्न केला.	◯	◯	◯
Teacher has always encouraged students to participate in classroom discussion & present their views.: वर्गात विषय चर्चेत सहभाग आणि मत मांडण्यासाठी शिक्षकाने प्रोत्साहन दिले.	◯	◯	◯
Teachers approach was impartial & responsive towards all students.: सर्व विद्यार्थ्यांबाबत शिक्षकाचा दृष्टीकोन सकारात्मक व समान होता	◯	◯	◯
Teacher's behavior on the college campus reflects his / her values / ethics.: शिक्षकाची महाविद्यालयातील वर्तणूक नीतीमत्तापूर्ण व मूल्याधिष्ठित आहे.	◯	◯	◯
Teacher has pleasant & inspiring personality. : शिक्षकाचे व्यक्तिमत्व प्रसन्न व प्रेरणादायी आहे. *	◯	◯	◯
The overall quality of teacher is very good(शिक्षकांची एकूण गुणवत्ता खूप चांगली आहे?)	◯	◯	◯

9. Comment

_____

Shree Gopinath Mahadeo Vedak Pratisthan's G. M. Vedak College of Science, Tala-Raigad-40211

Analysis of feedback on 5 point scale

Feedback from students about college	4.1
Feedback from student about Teaching	3.9
Feedback from Alumni	2.3
Feedback from Parents	4.2