	<b>Savitribai Phule Pune University Pune</b> <b>Gokhale Education Society's</b> <b>RNC Arts, JDB Commerce &amp; NSC Science College</b> <b>Nashik Road-422101</b>
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As Per UGC 5<sup>th</sup> Amendment

**SECTION – A: GENERAL**

**Annual Performance Appraisal Report (APAR): 2020-21**

1.	Name	:	<b>DR. CHAVAN SATISH MACHHINDRA</b>
2.	Designation	:	Associate Professor (AL 13A) (12/08/2018)
3.	Date of Joining	:	12/08/2004
4.	Name of the Department	:	Dept. of Chemistry, R.N.C. Arts, J.D.B. Commerce and N.S.C. Science College Nashik- Road, Nashik-422101
5.	Communication Address	:	G-5, Ichhamani Row House, Near Ryan International School, DGP Nagar-1, Nashik- 422006
6.	Email Telephone / Mobile number	:	<a href="mailto:smchavan.nsk@gmail.com">smchavan.nsk@gmail.com</a> 8308171837
7.	YEAR OF PERFORMANCE APPRAISAL	:	<b>2020-21</b>

## Academic Year 2020-21

### SECTION B: ACADEMIC PERFORMANCE INDICATORS (API) Assessment Criteria and Methodology for University/College Teachers

#### Activity 1: Teaching

(Classes taught includes sessions on tutorials, lab and other teaching related activities)

Table-1 (Assessment Criteria and Methodology)

Activity 1: Teaching								
Year	Course/ Paper	Level (UG or PG)	Mode of Teaching *	Total Classes Assigned	Number of Classes taught as per documented record #	(Number of Classes taught/Total Classes assigned) x 100% Classes	Grading	Verified Grade
<b>2020-21 Semester I and II</b>	T.Y.B.Sc. Industrial Chemistry	UG	L,T,S	96	92	466/480 x 100 = 97%	<b>Good</b>	<b>Good</b>
	S.Y.B.Sc. Organic Chemistry	UG	L,T,S	48	44			
	S.Y.B.Sc. Chemistry Practical	UG	P,C	192	190			
	F.Y.B.Sc. Chemistry Practical	UG	P,C	144	140			
	<b>Total</b>			<b>480</b>	<b>466</b>			

#### Activity 2: Involvement in Students-Related Activities/ Research Activities

- (a) Administrative responsibilities such as; Head/Chairperson/ Dean/ Director/ Coordinator, Warden etc.
- (b) Examination and evaluation duties assigned by the University or attending the examination paper evaluation.
- (c) Student related co-curricular, extension and field-based activities such as student clubs, career counselling, study visits, student seminars and other events, cultural, sports, NCC, NSS and community services.
- (d) Organizing seminars/ conferences/ workshops, other college/university activities.
- (e) Evidence of being actively involved in guiding Ph.D. students.
- (f) Conducting minor or major research project (s) sponsored by national or international agencies.
- (g) At least one single or joint publication in peer- reviewed or UGC list of Journals.

<u>Year</u>	<u>Detail of Activities</u>	<u>Category</u>	<u>Number of Activities during Assessment Period</u>	<u>Grading</u>	<u>Verified Grading</u>
2020-21	1. Member, IQAC Committee 1. Member, Admission Committee 2. Vice-chairman, Science Timetable Committee 4. Member, Science Association	2a	Total Activities = 14 Categories = 5	Good	Good
	1. Ext. Examiner-S.Y.B.Sc. Practical Examination Oct-2020 2. Ext. Examiner-S.Y.B.Sc. Practical Examination March 2021 3. Ext. Examiner-F.Y.B.Sc. Practical Examination March 2021 4. Ext. Examiner-S.Y.B.Sc. Practical Examination Oct-2020 5. Paper setting- Internal Examination	2b			
	Prepared ICT content for students Prepared e-content	2c			
	Presented paper in international conference ICFAS-2021 held in 25-26 March 2021	2d			
	03 Research paper published in peer reviewed journal 01 Chapter in Edited book accepted for publication	2g			

**Note:** For the purpose of assessing the grading of Activity at Serial No. 1 and Serial No. 2, all such periods of duration which have been spent by the teacher on different kinds of paid leaves such as Maternity Leave, Child Care Leave, Study Leave, Medical Leave, Extraordinary Leave and Deputation shall be excluded from the grading assessment. The teacher shall be assessed for the remaining period of duration and the same shall be extrapolated for the entire period of assessment to arrive at the grading of the teacher. The teacher on such leaves or deputation as mentioned above shall not be put to any disadvantage for promotion under CAS due to his/her absence from his/her teaching responsibilities subject to the condition that such leave/deputation was undertaken with the prior approval of the competent authority following all procedures laid down in these regulations and as per the acts, statutes and ordinances of the parent institution.

**Table 2**  
**Methodology for University and College Teacher for calculating Academic/Research Score**

(Assessment must be based on evidence produced by the teacher such as: copy of publication, project sanction letter, utilization and completion certificates issued by the University and acknowledgement for patent filing and approval letters, students' Ph.D. award letter, etc.)

**Academic/Research Activity:**

**1. Research Papers in Peer-Reviewed or UGC listed Journals**

Sr. No.	Title of paper	Name of journal	Year of publication	ISSN number	Impact Factor	Self-Appraisal Score	Verified Score
1	Synthesis and Characterization and of transition metal (II) Complexes of 1-(3, 5-bis (trifluoromethyl) phenyl -4-4-4-trifluorobutane-1,3-dione <b>Peer Reviewed</b>	SSRG International Journal of Applied Chemistry (SSRG-IJAC)	2020 Volume7 Issue 1 Pages 69-76	ISSN: 2393-9133 (online)	---	2.4	
	Synthesis of Novel Thiosemicarbazide Derivatives of Disubstituted N, N-Dimethylaminomaleimides Characterized by Analytical Techniques <b>Peer Reviewed</b>	World Journal of Pharmaceutical Research (WJPR)	2020 Volume 9, Issue 11, pages 910-918	ISSN 2277-7105 (online)	---	2.4	
	Green Synthesis of Novel ethyl 3-amino-5-(methylthio)-4-(5-substituted phenyloxazol-2-yl) thiophene-2-carboxylate derivatives <b>Peer Reviewed</b>	Research Journal of Science and Technology	2021 Volume 13 Issue 2 Pages 105-110	ISSN 2349-2988 (online) 0975-4393 (Print)	---	8.0	
<b>Total Score</b>						<b>12.8</b>	

**2. Publications (other than Research papers)**

**(a) Books authored which are published by:**

**(i) International Publishers**

Sl. No.	Title of the Book	Author Co-Author(s)	Name of the Publisher	Month, Year	ISBN No.	Self-Appraisal Score	Verified Score

**Total Score:**

**(ii) National Publishers**

Sl. No.	Title of the Book	Author Co-Author(s)	Name of the Publisher	Month, Year	ISBN No.	Self-Appraisal Score	Verified Score
1.	Inorganic and Organic Chemistry (S.Y.B.Sc.Sem III)	02	Sankalp Publications, Bilaspur, CG.	August 2021		10	

**Total Score: 10**

**(iii) Chapter in Edited Book**

Sl. No.	Title of the Book	Author Co-Author(s)	Name of the Publisher	Month, Year	ISBN No.	Self-Appraisal Score	Verified Score
1.	Recent Trends in Multidisciplinary Subjects <b>(Accepted for publication)</b>	02	National Publishing House, New Delhi	Sept. 2021	----	05	
<b>Total Score</b>						<b>5.0</b>	

**(iv) Editor of Book by International Publisher**

Sl. No.	Title of the Book	Author Co-Author(s)	Name of the Publisher	Month, Year	ISBN No.	Self-Appraisal Score	Verified Score

**Total Score:**

**(v) Editor of Book by National Publisher**

Sl. No.	Title of the Book	Author Co-Author(s)	Name of the Publisher	Month, Year	ISBN No.	Self-Appraisal Score	Verified Score

**Total Score:**

**(b) Translation works in Indian and Foreign Languages by qualified faculties**

**(i) Chapter or Research paper**

Sl. No.	Title of the Book	Author Co-Author(s)	Name of the Publisher	Month, Year	ISBN / ISSN No.	Self-Appraisal Score	Verified Score

**Total Score:**

**(ii) Book**

Sl. No.	Title of the Book	Author Co-Author(s)	Name of the Publisher	Month, Year	ISBN No.	Self-Appraisal Score	Verified Score

**Total Score:**

**3. Creation of ICT mediated Teaching Learning pedagogy and content and development of new and innovative courses and curricula.**

**(a) Development of Innovative pedagogy**

Name of the subject/discipline for which e-learning resource is developed (Eg. Science: Physics)	Name of the Subject / course for which e-learning resource is developed (Eg: B.E, M.E, M.Sc., B.Sc., MA, BA, B.Com, M.Com)	Level of Course Material (Eg. UG/PG)	Details of the URL/website where available or if CD/DVD enclose a copy	Number of Modules	Self-Appraisal Score	Verified Score

**Total Score:**

**(b) Design of new curriculum and courses**

Name of the subject/discipline for which e-learning resource is developed (Eg. Science: Physics)	Name of the Subject / course for which e-learning resource is developed (Eg: B.E, M.E, M.Sc., B.Sc., MA, BA, B.Com, M.Com)	Level of Course Material (Eg. UG/PG)	Details of the URL/website where available or if CD/DVD enclose a copy	Number of Modules	Self-Appraisal Score	Verified Score

**Total Score:**

**(C) MOOCS**

**(i) Development of complete MOOCs in 4 quadrants.**

Sl. No.	Details	Course Credit	Details of the URL/website where available or if CD/DVD enclose a copy

**Total Score:**

**(ii) MOOCs (developed in 4 quadrants) per module/ lecture**

Sl. No.	Details	Course Credit	Details of the URL/website where available or if CD/DVD enclose a copy

**Total Score:**

**(iii) Content writer/ subject matter expert for each module of MOOCs (at least one quadrant)**

Sl. No.	Details	Course Credit	Details of the URL/website where available or if CD/DVD enclose a copy

**Total Score:**

**(iv) Course Coordinator for MOOCs**

Sl. No.	Details	Course Credit	Details of the URL/website where available or if CD/DVD enclose a copy

**Total Score:**

**(d) E-Content**

**(i) Development of e-Content in 4 quadrants for a complete course/ e-book**

Name of the subject/discipline for which e-learning resource is developed (Eg. Science: Physics)	Name of the Subject / course for which e-learning resource is developed (Eg: B.E., M.E, M.Sc., B.Sc., MA, BA, B.Com, M.Com)	Level of Course Material (Eg. UG/PG)	Details of the URL/website where available or if CD/DVD enclose a copy	Number of Modules	Self-Appraisal Score	Verified Score

**Total Score:**

(ii) Contribution to development of e-content module in complete course/ paper/ e-book  
(at least one quadrant)

Name of the subject/discipline for which e-learning resource is developed (Eg. Science: Physics)	Name of the Subject / course for which e-learning resource is developed (Eg: B.E., M.E., M.Sc., B.Sc., MA, BA, B.Com., M.Com.)	Level of Course Material (Eg. UG/PG)	Details of the URL/website where available or if CD/DVD enclose a copy	Number of Modules	Self-Appraisal Score	Verified Score

Total Score:

(iii) Editor of e-content for complete course/ paper /e-book

Name of the subject/discipline for which e-learning resource is developed (Eg. Science: Physics)	Name of the Subject / course for which e-learning resource is developed (Eg: B.E, M.E, M.Sc., B.Sc., MA, BA, B.Com, M.Com)	Level of Course Material (Eg. UG/PG)	Details of the URL/website where available or if CD/DVD enclose a copy	Number of Modules	Self-Appraisal Score	Verified Score

Total Score:

4 (a) Research guidance

(i) Ph.D.

Name of the Scholar	Title of the Thesis	Submitted/ Awarded (Pls. Specify)	Name of the University	Month and Year	Self-Appraisal Score	Verified Score

Total Score:

(ii) M.Phil./P.G. dissertation

Name of the Scholar	Title of the Thesis	Awarded (Yes/ No)	Name of the University	Month and Year	Self-Appraisal Score	Verified Score

Total Score:

(d) Consultancy

Title of the Project	Funding Agency	Grant sanctioned	Duration		Project Status complete / on-going	Project Type: Consultancy/ Action Research	Policy Document	Self-Appraisal Score	Verified Score
			From	To					

Total Score:

5 (a) Patent

(i) International

Title of the Patent	Funding Agency	Details of Patent	Self-Appraisal Score	Verified Score

Total Score:

(ii) National

Title of the Patent	Funding Agency	Details of Patent	Self-Appraisal Score	Verified Score

Total Score:

5(b)\*Policy Document (Submitted to an International body/organization like UNO/ UNESCO/ World Bank/International Monetary Fund etc. or Central Government or State Government)

(i) International

Title of the Project	Funding Agency	Project Outcome/Outputs		Self-Appraisal Score	Verified Score
		Details of Patents / Technology Transfer / Product / Process (Science &Engineering)*	Major Policy Documents of Central / State Govt./ WHO/ UNO/ UNESCO / UNICEF etc. Bodies prepared (Humanities & Management)**		

Total Score:



(ii) National

Title of the Project	Funding Agency	Project Outcome/Outputs		Self-Appraisal Score	Verified Score
		Details of Patents / Technology Transfer / Product / Process (Science & Engineering)*	Major Policy Documents of Central / State Govt./ WHO/ UNO/ UNESCO / UNICEF etc. Bodies prepared (Humanities & Management)**		

Total Score:

(iii) State

Title of the Project	Funding Agency	Project Outcome/Outputs		Self-Appraisal Score	Verified Score
		Details of Patents / Technology Transfer / Product / Process (Science & Engineering)*	Major Policy Documents of Central / State Govt./ WHO/ UNO/ UNESCO / UNICEF etc. Bodies prepared (Humanities & Management)**		

Total Score:

\*Faculties of Science / Engineering / Agriculture / Medical / Veterinary Sciences

\*\* Faculties of Languages / Humanities / Arts / Social Sciences / Library / Physical Education/Management

5(c) Awards/Fellowship

(i) National

Name of the Award / Fellowship	Sponsoring Agency	Date	Self-Appraisal Score	Verified Score

Total Score:

(ii) International

Name of the Award / Fellowship	Sponsoring Agency	Date	Self-Appraisal Score	Verified Score

Total Score:

6 #Invited lectures / Resource Person/ paper presentation in Seminars/ Conferences/full paper in Conference Proceedings (Paper presented in Seminars/Conferences and also published as full paper in Conference Proceedings will be counted only once)

Name of the Programme	Name of Organizing Agency	International (Abroad)/International (within Country)/ National/ State/University level	Title of the Paper / Talk	Duration (Dates of Event)	Self-Appraisal Score	Verified Score

**Total Score:**

The Research score for research papers would be augmented as follows: Peer-Reviewed or UGC-listed Journals (Impact factor to be determined as per Thomson Reuters list):

- i) Paper in refereed journals without impact factor - 5 Points
- ii) Paper with impact factor less than 1 - 10 Points
- iii) Paper with impact factor between 1 and 2 - 15 Points
- iv) Paper with impact factor between 2 and 5 - 20 Points
- v) Paper with impact factor between 5 and 10 - 25 Points
- vi) Paper with impact factor >10 - 30 Points

(a) Two authors: 70% of total value of publication for each author.

(b) More than two authors: 70% of total value of publication for the First/Principal/Corresponding author and 30% of total value of publication for each of the joint authors.

Joint Projects: Principal Investigator and Co-investigator would get 50% each.

**Note:**

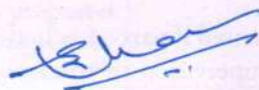
- Paper presented if part of edited book or proceeding then it can be claimed only once.
  - For joint supervision of research students, the formula shall be 70% of the total score for Supervisor and Co-supervisor. Supervisor and Co-supervisor, both shall get 7 marks each.
  - #For the purpose of calculating research score of the teacher, the combined research score from the categories of 5(b). Policy Document and 6. Invited lectures/Resource Person/Paper presentation shall have an upper capping of thirty percent of the total research score of the teacher concerned.
- The research score shall be from the minimum of three categories out of six categories.

**Summary of Table 2**

Sr. No.	Academic /Research Score	Self-appraisal Score	Verified Score
1	Research Papers in Peer-Reviewed or UGC listed Journals= 03	12.8	
2	Publication (Other than Research papers)	15.0	
3	Creation of ICT mediated Teaching Learning pedagogy and content and development of new and innovative course and curricula		
4	a) Research Guidance/ b) Research Projects Completed/ c) Research Projects On-going/ d) Consultancy		
5	a) Patents/ b) Policy documents/ c) Awards/ Fellowship		
6	Invited lectures/Resource Person/paper presentation in seminars/Conferences/full paper in conference proceeding (Paper presented in Seminar/Conference and also published as full paper in conference Proceeding will be counted only once)	5.0	
	<b>Total of- III (1+2+3+4+5+6)</b>	22.8	

**DECLARATION**

*I certify that the information provided in the duly filled proforma is correct as per records enclosed.*



**Dr. Satish M. Chavan**  
Signature of faculty

Date: 20 / 08 /2021

Place: Nashik



**Head**  
**Chemistry Department**  
Head, Department of Chemistry  
Nashik Road-422 101



**Co-ordinator, IQAC**  
**Co-Ordinator**  
**IQAC**  
Gokhale Education Society's  
R.N.C. Arts J.D.B. Commerce &  
N.S.C. Science College, Nashik Road-422101




**Principal**  
**PRINCIPAL**  
R.N.C. Arts, J.D.B. Commerce and  
N.S.C. Science College, Nashik Road

## Savitribai Phule Pune University

(Formerly University of Pune)

Telephone Nos. :

020-25621156

25621157

25621161

25621163



ACADEMIC SECTION

Ganeshkhind, Pune – 411007,

Telegraph : 'UNIPUNE'

Website : [www.unipune.ac.in](http://www.unipune.ac.in)E-mail : [approval@unipune.ac.in](mailto:approval@unipune.ac.in)

Ref. No. : CCO/1499

Date : 12/08/2021

**CERTIFICATE OF API**

**Dr. Chavan Satish Machhindra, Gokhale Education Society RNC, JDB Commerce College and NSC Science Addr: Nashik Road Nashik Ta: Nashik Dist: Nashik** has submitted the documents to the expert nominated by the University for Assessment and calculation of API.

The Expert has calculated the Score on the basis of the UGC Regulation dated 18th July, 2018 & Government of Maharashtra Resolution No. Misc/2018/C.R.56./18/UNI-1, dated 08 March, 2019 and validated API score for Table 2 as stipulated in the regulation is as follows:

Subject :-Chemistry

Sr. No.	Details	API Score
1	Research Papers in Peer- Reviewed or UGC Listed Journals	196.30
2	Publications (Other than Research papers)	3.00
3	Creation of ICT mediated Teaching Learning Pedagogy Content & Development of new and innovative Courses and Curricula	0.00
4	a)Research Guidance b)Research Projects Completed c)Research Projects Ongoing d)Consultancy	10.00
5	a)Patents b)Policy Document c)Awards and Fellowship	10.00
6	Invited Lectures / Resource person / Paper Presentation (Capping 30% of the Total Score)	27.00
<b>Total</b>		<b>246.30</b>



M. V. Rasve  
Deputy Registrar  
Academic Section