

**Bharat Shikshan Sanstha's**  
**SHRI CHHATRAPATI SHIVAJI COLLEGE, OMERGA**  
**ANNUAL SELF APPRAISAL**  
**ACADEMIC YEAR 2020-21**

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**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD.**  
**431004.**

**Name of College: SHRI CHHATRAPATI SHIVAJI COLLEGE, OMERGA**

Self- Assessment- Cum- Performance Appraisal Forms

API-PBAS Proforma

CAS Promotion for Assistant Professor

Under the faculty of  
Sciences & Technology

Reference: i) The Gazette of India: Extraordinary, Part III Section 4 dated 18<sup>th</sup> July, 2018.

ii) Government of Maharashtra Misc. – 2018. CR 56/18/UNI date 8<sup>th</sup> March, 2019.

**ACADEMIC YEAR - 2020-2021**

**ACADEMIC YEAR - 2020-2021**

**PART A: GENERAL INFORMATION AND ACADEMIC  
BACKGROUND**

1. Name (in Block Letter) : **Dr. GAIKWAD VASANT MAHADEV**
  2. Department : **Mathematics**
  3. Current Designation and Academic Level: **Assistant Professor & Academic level 11  
& Pay Matrix of Rs 68900 - 205500**
  4. Date of Last Promotion : **15/ 06 / 2016**
  5. Which position and Academic Level : **Assistant Professor & Academic level 12  
& Pay Matrix of Rs 79800-211500**
  6. Date of eligibility for Promotion : **15 / 06 / 2021**
  7. Address (with Pin Code) : **Dr. Gaikwad Vasant Mahadev,  
Dept. of Mathematics, S. C. S. C., Omerga.  
Tal: Omerga. Dist. Osmanabad.  
Pincode-413606**
- Mobile No : **9404275042**
- E-mail Id : **[gaikwadvasant19@gmail.com](mailto:gaikwadvasant19@gmail.com)**

**8. Academic Qualifications (UG & PG):**

Examination	University/ Board	Month & Year of Passing	Subjects	Marks		% of Marks	Class/Div. /Grade Awarded
				Obtained	Out of		
S.S.C.	Pune Board	Mar-1997	Marathi, Hindi, English, Mathematics, Science & Social Sciences	464	750	61.86	I
Higher Secondary	Pune Board	Mar-1999	English, Marathi, Mathematics, Physics, Chemistry & Geography	319	600	53.16	II
Bachelor's Degree	Shivaji University, Kolhapur	M/A 2002	Mathematics	1682	2500	67.28	I
Master's Degree	Shivaji University, Kolhapur	Oct. 2004	Mathematics	1387	2400	57.79	II
SET	Pune University, Pune	February 2008	Mathematics	-	-	-	Pass
Ph.D.	Shivaji University, Kolhapur	17-03-2018	Mathematics	-	-	-	Awarded

**9. Research Degree (s):**

Degree	Title	Date of award	Name of University
Ph.D.	A study of some topics in transform Analysis	17-03-2018	Shivaji University, Kolhapur

**10. Appoint held prior -joining this institution:**

Designation	Name of Employer	Date of		Salary with Grade	Reason of leaving
		Joining	Leaving		
Lecturer	Solapur University, Solapur	21.07.2008	30.04.2009	12000	Contract Basis appointment
Lecturer	Solapur University, Solapur	01.07.2009	30.04.2010	12000	Visiting appointment
Assistant Professor	Baburao Patil College of Arts and Science	15.06.2010	13.10.2011	15600-39100 AGP-6000	Selection at shri Chhatrapati Shivaji College, Omerga

**11. Post held after appointment at this institution:**

Designation	Department	Date of Joining		Grade pay / Pay Matrix Level
		From	To	
Assistant Professor	Mathematics	14 / 10 / 2011	31/12/2015	Pay band 15600-39100 AGP 6000
Assistant Professor	Mathematics	01/01/2016	15/06/2016	AL-10
Assistant Professor	Mathematics	01/01/2016	15/06/2021	AL-11

**12. Period of teaching experience:**

**P.G. Classes (In Years): 04**

**U.G. Classes (In Years): 11**

**13. Research Experience excluding years spent for M. Phil. / Ph. D. (In years): 01**

**14. Fields of Specialization under the Subject / Discipline: Integral transform**

**15. Human Resource Development Center Orientation/ Refresher Courses / FDP/ MOOC**

**One-Two week courses attended so far:**

<b>Name of the Course</b>	<b>Date of Courses</b>	<b>Duration (Period)</b>	<b>Name of Organizer</b>
86 <sup>th</sup> Orientation Programme	04.03.2013 to 30.03.2013	28 days (4 week)	UGC-HRDC  R. D. V. JABALPUR
Refresher Course in Mathematics	18.03.2015 to 07.04.2015	21 days (3 week)	UGC-HRDC  Panjab University, Chandigarh
Refresher Course in Climate Change and Environmental Studies	08.10.2018 to 27.10.2018	21 days (3 week)	UGC-HRDC  Rajasthan University, Jaipur
Refresher Course in Applied Mathematics and Statistics	25.11.2020 to 08.12.2020	14 days (2 week)	UGC-HRDC  Devi Ahilya Vishwavidyala, Indore

**CATEGORY I: TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES**

**a. Direct teaching**

Sr. No.	Course/ Paper	Level	Mode of Teaching*	No. of Periods/hours allotted		No. of Periods/ hours engaged per annum
				Per week	Per annum	
01	B.Sc. Sem. I+II	UG	LECTURE	05	150	147
02	B.Sc. Sem. III+IV	UG	LECTURE	05	150	141
03	B.Sc. Sem. V+VI	UG	LECTURE	10	300	290

**Classroom teaching** (including lectures, seminar) in excess of UGC norms (As per allocation)

Sr. No.	Course/ Paper	Level	Mode of Teaching*	No. of Periods/hours allotted		No. of Periods/ hours engaged per annum
				Per week	Per annum	
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**Tutorials and Practical's, Field work, Project Supervision** (Actual as per student attendance register)

Sr. No.	Course/ Paper	Level	Mode of Teaching*	No. of Periods/hours allotted		No. of Periods/ hours engaged per annum
				Per week	Per annum	
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**Examination duties -**

Sr. No.	Type of Duties	Dates from - to	Actual Hours spent
01	University Examination duties(Invigilations)	As per College Assigned	10

### Innovative Teaching -

Sr. No.	Topic wise on PPT and you tube video created	Links
1	PPT-09 on B.Sc. Sem.-III MAT-302 Laplace Transform	<a href="https://drive.google.com/file/d/1PMPTb9jbgoyOsFejLvQKveStzLg2AKRF/view?usp=sharing">https://drive.google.com/file/d/1PMPTb9jbgoyOsFejLvQKveStzLg2AKRF/view?usp=sharing</a>
2	PPT-10 on B.Sc. Sem.-III MAT-302 Laplace Transform	<a href="https://drive.google.com/file/d/1IQxWruripy_FbeCDcNCoC8H2UQm4Bsck/view?usp=sharing">https://drive.google.com/file/d/1IQxWruripy_FbeCDcNCoC8H2UQm4Bsck/view?usp=sharing</a>
3	PPT on B.Sc. Sem.-V MAT-502 Group	<a href="https://drive.google.com/file/d/1A15HzACaPsG8oDRhc3L7GS0ix7eLBvqH/view?usp=sharing">https://drive.google.com/file/d/1A15HzACaPsG8oDRhc3L7GS0ix7eLBvqH/view?usp=sharing</a>
4	U-tube video B.Sc.-sem-IV MAT-402 Basics on PDE	<a href="https://youtu.be/xu9IcPyrFrM">https://youtu.be/xu9IcPyrFrM</a>
5	U-tube video B.Sc.-sem-IV MAT-402 PDE by elimination of arbitrary constants	<a href="https://youtu.be/yk5Iq0lsubQ">https://youtu.be/yk5Iq0lsubQ</a>
6	U-tube video B.Sc.-sem-IV MAT-402 PDE by elimination of arbitrary functions	<a href="https://youtu.be/eH5xhUFmFRc">https://youtu.be/eH5xhUFmFRc</a>
7	U-tube video B.Sc.-sem-IV MAT-402 Lagrange's equation	<a href="https://youtu.be/RpVPBO7gEzg">https://youtu.be/RpVPBO7gEzg</a>
8	U-tube video B.Sc.-sem-IV MAT-402 Solution of Lagrange's equation by multipliers and grouping	<a href="https://youtu.be/AH7mof8xka0">https://youtu.be/AH7mof8xka0</a>
9	U-tube video B.Sc.-sem-IV MAT-402 Standard form -II	<a href="https://youtu.be/i_611nni-Fs">https://youtu.be/i_611nni-Fs</a>
10	U-tube video B.Sc.-sem-IV MAT-402 example on Standard form -II	<a href="https://youtu.be/vJL7W5l-CwA">https://youtu.be/vJL7W5l-CwA</a>

### Appointment as BoS/ Senate/ Paper Setter / Evaluation / Curriculum Design during the year

Sr.No.	Appointment on BoS/ Senate/ Paper Setter / Evaluation / Curriculum Design committee	Date of Work / meetings
1	Paper Setting B.Sc.II sem IV of BAMU, Aurangabad online	06-03-2021
2	Paper Setting B.Sc.II sem III of BAMU, Aurangabad online	08-03-2021
3	YCMOU practical examination B.Sc. I,II,III for Mathematics at S.J.P.M., Lohara	from 07-05-2021 to 09-05-2021

The Courses that include experiential learning through project work/field work/internship during the year

Program name	Name of the Course that include experiential learning through project work/field work/internship	Name of the student studied course on experiential learning through project work/field work/internship
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Number of students undertaking project work/field work/ internships under your Guidance ( Other than M. Phil –Ph. D.) during the year

Name of the students undertaking project work/field work/internship	Title of the Project
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**PROFESSIONAL DEVELOPMENT, CO-CURRICULAR AND EXTENSION ACTIVITIES (Year wise)**

Student related Co-curricular, extension and field based activities.

**(I) Discipline related co-curricular activities organized**

Sr. No.	Nature of Activity	Actual hours spent per academic year
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**(II) Other co-curricular activities**

Sr. No.	Nature of Activity	Actual hours spent per academic year
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**(III) Extension and dissemination activities**

Sr. No.	Nature of Activity	Actual hours spent per academic year
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Contribution to Corporate Life and Management of the department and Institution through participation in academic and administrative committees and responsibilities.

**(A)Academic and Administrative responsibility**

Sr. No.	Nature of Activity	Actual hours spent per academic year
1	Head of the department of mathematics	60
2	Admission Committee	150
3	Time table committee	12
4	Feedback committee	60

**B. Professional development activities**



Sr. No.	Nature of Activity	Actual hours spent per academic year
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**List of Students Adopted under Mentor Mentee Scheme during the Year (18 Students)**

Sr. No.	Name of Mentee Students	Class	Contact Number	E-mail
01	Miss Pranali purushottam Patil	B.Sc.I	7083664094	
02	Miss Pratiksha Dinkar Chaudhary	B.Sc.I	9503754083	
03	Miss Vaishnavi Vijaykumar Jane	B.Sc.I	9420202041	
04	Mr Vyankat Dattu Tugalpalle	B.Sc.I	9021359436	
05	Mr Shivaji Balu Jamadar	B.Sc.I	9021954504	
06	Miss Archana Rajendra Divate	B.Sc.I	7058459509	
07	Miss Shivkanya Omkumar Gaikwad	B.Sc.II	9960382972	
08	Miss Vaishnavi Suryakant Nirmale	B.Sc.II	7397834757	
09	Miss Vandana Vijaykumar Ansarwadkar	B.Sc.II	7972758379	
10	Mr Sunil Rajendra Bhosale	B.Sc.II	8329972757	
11	Mr Chetan Yeshwanth	B.Sc.II	9980049463	
12	Mr Praveen Balbhim	B.Sc.II	9945343527	
13	Mr. Yogesh Sudhakar Shinde	B.Sc.III	8605786933	
14	Mr. Sunil Narasing Suryvasi	B.Sc.III	7026869253	
15	Miss Snehal Balaji Mane	B.Sc.III	7057900483	
16	Miss Divya Dilip Mane	B.Sc.III	99755376923	
17	Miss Priti Bhim Rathod	B.Sc.III	8805070869	
18	Miss Diksha Chandrakant Jadhav	B.Sc.III	9975113082	

**List of Students Advance and Slow Learner**

Sr. No.	Nature of Mentee Students	Advance/ Slow	Class	Contact Number	E-mail
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1	Miss Pooja Telang	Advanced	B.Sc.I		
2	Miss Pranali purushottam Patil	Advanced	B.Sc.I		
3	Miss Pratiksha Dinkar Chaudhary	Advanced	B.Sc.I		
4	Miss Vaishnavi Vijaykumar Jane	Advanced	B.Sc.I		
5	Mr Vyankat Dattu Tigalpalle	Slow	B.Sc.I		
6	Mr Shivaji Balu Jamadar	Advanced	B.Sc.I		
7	Miss Archana Rajendra Divate	Advanced	B.Sc.I		
8	Miss Mayur Birajdar	Advance	B.Sc.II		
9	Mr Vidyasagar Patil	Advance	B.Sc.II		
10	Mr Beste Vishnu	Advance	B.Sc.II		
11	Miss Potdar Pooja	Advance	B.Sc.II		
12	Miss Shivkanya Omkumar Gaikwad	Advance	B.Sc.II		
13	Miss Vaishanavi Suryakant Nirmale	Advance	B.Sc.II		
14	Miss Vandana Vijaykumar Ansarwadkar	Slow	B.Sc.II		
15	Miss Nishigandha Bhosale	Slow	B.Sc.II		
16	Mr Sunil Rajendra Bhosale	Advance	B.Sc.II		
17	Mr Chetan Yeshwanth	Advance	B.Sc.II		
18	Mr Praveen Balbhim	Slow	B.Sc.II		
19	Mr Prabhakar Shivshankar	Advance	B.Sc.II		
20	Miss Bhagyashri Madan Patil	Slow	B.Sc.II		
21	Mr Adarsh Tirupati Durge	Slow	B.Sc.II		
22	Mr Abhishekh Dushnth Hasure	Advance	B.Sc.II		
23	Miss Srushti Vijaykumar	Slow	B.Sc.II		

	Kamble				
24	Miss Poonam Balaji Bhosale	Slow	B.Sc.II		
25	Miss Renuka Dattu Jagtap	Slow	B.Sc.II		
26	Mr. Sunil Narasing Suryvasi	Slow	B.Sc.III		
27	SHINDE YOGESH Sudhakar	Slow	B.Sc.III		
28	MANE SNEHAL BALAJI	Advanced	B.Sc.III		
29	Miss Gaikwad Kranti	Advanced	B.Sc.III		
30	MANE DIVYA DILIP	Advanced	B.Sc.III		
31	RATHOD PREETI BHIM	Slow	B.Sc.III		
32	JADHAV DIKSHA CHANDRAKANT	Advanced	B.Sc.III		

### CATEGORY: III

#### RESEARCH AND ACADEMIC CONTRIBUTIONS

#### III. Published Papers in Refereed Journals as notified by the UGC\*

The research papers in the Journals notified on UGC website during the year

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
Convolution and Product theorems for the N-dim. Fractional Fourier	Vasant Gaikwad and M.S. Chaudhary	Mathematics	Malaya journal of Mathematik,	Vol.-9 No.-1,935-940, 23 February 2021	ISSN:2321-5666 (Online)	<a href="https://www.malayajournal.org/archive/selected_article.php?id=2768">https://www.malayajournal.org/archive/selected_article.php?id=2768</a>

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**The books and chapters in edited volumes/books published in national/International**

Sr. No.	Name of the teacher	Title of the book/chapters published	National / International	ISBN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	V.M.Gaikwad	A study of some topics in transform analysis	International	ISBN:978-93-91257-32-3	--	Nitya Publications, Gulmohar, Bhopal MP India Web: <a href="http://www.nityapublications.com">www.nityapublications.com</a> Email: <a href="mailto:info@nityapublications.com">info@nityapublications.com</a>

**The books and chapters in edited volumes/books published and papers published in national/**

Sl. No.	Name of the teacher	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
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**The Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year**

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Year of collaboration	Duration	Nature of the activity	Link to the relevant document
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### III. Research Projects:

#### Sponsored Projects

Type of project	Title	Agency	Year of completion	Whether Co-PI	Grant (Rs. Lakh)
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**Consultancy Projects** (Amount mobilized with minimum Rs.10 lakhs for Engineering/sciences & minimum of Rs.2 lakhs for others, 10 points for every Rs 10 lakhs & Rs. 2 lakhs. respectively)

Sr. No.	Title	Agency	Year of completion	Whether Co-PI	Amount Mobilized (Rs. Lakh)	Page No.
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#### Projects Outcome/Output: Patent / Technology transfer / Product process

Sr. No.	Name of the Project	Funding Agency	Whether Co-PI	Amount Mobilized (Rs. Lakh)	Page No.
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### III D Research Guidance:

Sr. No.	Name of Research Student	Registration date	Date of Submitted/ Progress	Thesis W-I-	Date of Degree awarded
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**Completed Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.**

Name of teacher who attended	Title of the program	Duration (from – to) (DD-MM-YYYY)
V.M. Gaikwad	Refresher Course in Applied Mathematics and Statistics UGC-HRDC	25-11-2020 to 08-12-2020

	Devi Ahilya Vishwavidyala, Indore	
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**Fellowships, Awards and Invited lectures delivered in conferences / seminars**

**III E (i) Fellowships/ Awards**

Sr. No.	Fellowship/ Award	Year	Level International/ National/ State/ University	Award Academic Body / Association	Page No.
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**Invited lectures at International/National/State / University Invited lectures**

Sr. No.	Title of Lecture/ Academic session	Title of Conference/ Seminar	Organized by	Whether international/ national	Page No.
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**Papers presented at International/National/State / University**

Sr. No.	Title of Lecture/ Academic session	Title of Conference/ Seminar	Organized by	Whether international/ national/ state or University level	Page No.
1	A Convolution and Product theorem of n-dim. Fractional Fourier transform	Modern and Computational Mathematics	Yashavantrao Chavan Inst.of science, Satara and Shivaji University, Kolhapur	National	--

**III Development of e-learning delivery process/material**

Content / Module	Link

## UNDERTAKING

I **Gaikwad Vasant Mahadev** undertake that the information provided is correct.

Place: Omerga

Date:

Signature of faculty with Designation

Place: Omerga

Date:

Signature Head of Department

Place: Omerga

Date:

Principal

Evaluation Remarks by Management Committee under Internal Academic Audit

1) \_\_\_\_\_

2) \_\_\_\_\_

3) \_\_\_\_\_