

**Bharat Shikshan Sanstha's**  
**SHRI CHHATRAPATI SHIVAJI COLLEGE, OMERGA**  
**ANNUAL SELF APPRAISAL**

**ACADEMIC YEAR 2020-21**

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

1. Name (in Block Letters) :- **Dr. SAWANT SANDIPAN SHRIRANG**
2. Department :- **PHYSICS**
3. Current Designation & Grade Pay :- **Associate Professor, Rs. 131400/-**
4. Date of last Promotion :- **04/09/2019**
5. Which position and grade pay are you an applicant under CAS? **217100/-**
6. Date of eligibility for promotion :- **04/09/2022**
7. Address (With Pin Code) :- **At Post: Canol road ,Beed Tq: Beed Dist: Beed. 431122.**
- Telephone No :- **9422243550**
- Email :- [drsawantss@gmail.com](mailto:drsawantss@gmail.com)

8. **Academic Qualifications** (from S.S.C. till post graduation) :-

<b>Exam</b>	<b>Name of Board / University</b>	<b>Year of passing</b>	<b>% of marks obtained</b>	<b>Division /Class / Grade</b>	<b>Special/ Optional Subject</b>
<b>S.S.C.</b>	<b>Aurangabad</b>	<b>Mar-1984</b>	<b>53.78</b>	<b>II</b>	<b>Marathi,Hindi,English,Mathematics, Science&amp;Social Sciences</b>
<b>H. S. C.</b>	<b>Aurangabad</b>	<b>Mar-1986</b>	<b>47.50</b>	<b>II</b>	<b>English,Marathi,Mathematics, Physics,Chemistry &amp; Biology</b>
<b>B. Sc.</b>	<b>Dr. B.A.M.U. Aurangabad</b>	<b>M/A 1989</b>	<b>57.8</b>	<b>II</b>	<b>Physics,Electronics &amp; Math Mathematics</b>
<b>M. Sc.</b>	<b>Dr. B.A.M.U. Aurangabad</b>	<b>M/A 1991</b>	<b>58.10</b>	<b>II</b>	<b>Physics</b>
<b>B. Ed.</b>	<b>Dr. B.A.M.U.</b>	<b>May199</b>	<b>52.6</b>	<b>II</b>	<b>Methodology</b>

	<b>Aurangabad</b>	<b>6</b>			<b>Science &amp; Math</b>
<b>Diploma in TV Tech.</b>	<b>Pune</b>	<b>M/A 1992</b>	<b>74</b>	<b>I</b>	<b>Electronics</b>
<b>M. Phil.</b>	<b>University of Pune, Pune</b>	<b>June-1994</b>			<b>Physics</b>
<b>Ph. D.</b>	<b>Dr. B.A.M.U. Aurangabad</b>	<b>Nov-2012</b>			<b>Physics</b>

9. Research Degree(s)

<b>Degrees</b>	<b>Title</b>	<b>Date of award</b>	<b>University</b>
M. Phil	<b>Interferometric Techniques for Static&amp; Dynamic Characterization of Piezoelectric Actuators Design, Development&amp; Applications</b>	14.06.1994	University of Poona, Pune
Ph. D.	<b>Growth&amp; Characterization of Magnetoelectric Composite Material</b>	08.11.2012	Dr. B.A.M.U. Aurangabad

10.Appointments held prior to joining this institution

<b>Designation</b>	<b>Name of Employer</b>	<b>Date of</b>		<b>Salary With Grade Pay</b>	<b>Reason of Leaving</b>
		Joining	Leaving		
Assistant Professor	Dr. Sawant S.S.	04.09.2006		15600-39100 AGP-7000	

11. Posts held after appointment at this institution:-

<b>Designation</b>	<b>Department</b>	<b>Date of actual Holding</b>		<b>Grade</b>
		<b>From</b>	<b>To</b>	
Assistant Professor	Physics	04/09/2006	03/09/2019	AL-12
Associate Professor	Physics	04/09/2019	Till date	AL-13A (131400-217100)

12. Period of teaching experience:

P.G. Classes (in years) :- 26 years

U.G. Classes (in years) :- 26 years

13. Research Experience excluding years spent in M. Phil / Ph. D (in years):-

**M. Phil: 28 years**

**Ph. D.: 10 years**

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

15. Academic Staff College Orientation / Refresher Course/ ISTE - AICTE Sponsored STTP/SBP attended so far.

Name of the Course / Summer School	Place	Duration	Sponsoring Agency
Orientation Programme	Dr. B.A.M.U. Aurangabad	02.08.2010 to 28.08.2010	UGC, New Delhi
Refresher Course	Dr. B.A.M.U. Aurangabad	01.01.2013 to 22.01.2013	UGC, New Delhi
Refresher Course	Punjabi University Patiala	20.06.2016 to 09.07.2016	UGC, New Delhi
Short term course	S.P. Pune University	14.01.2018 to 20.01.2018	UGC, New Delhi
Short term course	S.P. Pune University	04.02.2019 to 10.02.2019	UGC, New Delhi (PMMMNMST)

**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	
1	B. Sc. (Physics) Sem. I+II Paper II+V	U. G.	Lecture	02	60	57
2	B. Sc. (Physics) Sem. I+II Pract.	U. G.	Practical	09	270	267
3	B. Sc. (Physics) Sem III & IV <sup>th</sup> , Paper VII+XII	U. G.	Lecture	02	60	58
4	B. Sc. (Physics) Sem III & IV <sup>th</sup> , Pract.	U. G.	Practical	06	180	176
5	B. Sc. (Electronics) Sem. I+ II (Paper II+V )	U.G.	Lecture	03	90	88
6	M. Sc. (Physics)	P. G.	Lecture	04	120	120

	Sem-III +IV (Paper –XV, XXII)					
7	M. Sc. Sem-III + IV Pract.	P. G.	Practical	06	180	180

**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	
1	B. Sc. Sem-I Physics Paper II & III	U. G.	Lecture & Practical	08	240	240
2	B. Sc. Sem-II, Physics Paper V & VI	U. G.	Lecture & Practical	08	240	235
3	B. Sc. Sem-III, Physics Paper VII & IX+X	U. G.	Lecture & Practical	08	240	239
4	B. Sc. Sem-IV Physics Paper XII & XIII + XIV	U. G.	Lecture & Practical	08	240	237
5	B. Sc. Sem-I Electronics Paper II	U. G.	Lecture	03	90	90
6	B. Sc. Sem-II Electronics Paper V	U. G.	Lecture	03	90	90
7	M. Sc. Physics Sem- III & IV Paper XV & XXII	P. G.	Lecture & Practical	11	330	330

**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	
1	B. Sc. Sem. I (Paper I & IV ) Physics	U. G.	L	02	60	58
2	B. Sc. Sem III <sup>rd</sup> + IV <sup>th</sup> , Paper VII Physics	U. G.	L	02	60	56
3	B. Sc. Sem. I (Paper I & IV ) Electronics	U. G.	L	03	90	88
4	B. Sc. Sem III <sup>rd</sup> + IV <sup>th</sup> , Paper VII Electronics	U. G.	L	03	90	87
5	M. Sc. Sem. I <sup>st</sup> + IV <sup>th</sup>	P. G.	P	06	180	177

**Examination duties -**

Sr. No.	Type of Duties	Dates from - to	Actual Hours spent
1			
2			
3			

**Innovative Teaching -**

Sr. No.	Nature of Activity	Actual hours spent per academic year
1	Use of ICT for B. Sc. & M. Sc. Student	20
2	Updating of subject content by e-learning	15

**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**

<b>Sr. No.</b>	<b>Nature of Activity</b>	<b>Actual hours spent per academic year</b>
1	Remedial Classes of B. Sc. I year Electronics students	30
2	Certificate course for B. Sc. I year Electronics Students	30
3	Conducted Seminar of M. Sc. II <sup>st</sup> semester students	30
4	Science day celebration	08

**(II) Other co-curricular activities**

<b>Sr. No.</b>	<b>Nature of Activity</b>	<b>Actual hours spent per academic year</b>
1.	----	----
2.	----	----

**(III) Extension and dissemination activities**

<b>Sr. No.</b>	<b>Nature of Activity</b>	<b>Actual hours spent per academic year</b>
<b>1.</b>	Participated in AIDs Rally	10
<b>2</b>	Participated in National Integration	15
<b>3</b>	Community work as Peace	10
<b>4</b>	Human Rights	10

**Contribution to Corporate Life and Management of the department and Institution through participation in academic and administrative committees and responsibilities.**

**(I)Administrative responsibility**

<b>Sr. No.</b>	<b>Nature of Activity</b>	<b>Actual hours spent per academic year</b>
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1.		
2.		

**(II) Participation in**

Sr. No.	Nature of Activity	Actual hours spent per academic year
1.	Chairman of Feedback committee	54
2	Member of admission Committee	120
3	Member of Science Association	06
4	Member of College level UGC Research Committee	15
5	Chairman of Practical examination time table	24
6	Member of light and sound committee	08

**C. Professional development activities**

Sr. No.	Nature of Activity	Actual hours spent per academic year
1		
2		
3		

**List of Students Adopted under Mentor Mentee Scheme during the Year ( 18 Students)**

Sr. No.	Nature of Mentee Students	Class	Contact Number	E-mail
1	Patil Priya Shivaji	B.Sc-I	9604017144	25patilpriya@gmail.com
2	Shetgar Rachanna Sanjay	B.Sc-I	9421495074	Rachinna123@gmail.com
3	Shandage Shubham Vijay	B.Sc-I	9356774696	Shubhim276@gmail.com
4	Kaulge Rohit Prashant	B.Sc-I	9623074279	kaulgerohit@gmail.com
5	Jadhav Manish Manojkumer	B.Sc-I	8956788585	Jadhavmanish190@gmail.com
6	Shalke Nikhil Mahadev	B.Sc-I	7483152339	Shalkenikhal777@gmail.com

7	Jadhav Sheetal Pradip	B.Sc-II	9158213425	Sheetaljadhav123@gmail.com
8	Nandrge Mahadev Ambadas	B.Sc-II	9657717470	Nandrge123@gmail.com
9	Birajdar Pratiksha Subhas	B.Sc-II	8669818412	Pbirajdar14@gmail.com
10	Gabure Trupti Santosh	B.Sc-II	9146269563	Gaburetrupti67@gmail.com
11	Shirure Priti Sanjay	B.Sc-II	9503965001	Pritishirure8@gmail.com
12	Jadhav Kunti Kiran	B.Sc-II	9850994677	Kuntijadhav123@gmail.com
13	Gaikwad Akshay Vijay	B.Sc-III	8378820374	akshaygaikwad@gmail.com
14	Birajdar Kishor Sunil	B.Sc-III	7387302916	birajdarkishor@gmail.com
15	Gaikwad Ganesh Sudhir	B.Sc-III	7620634341	Gs7620306769@gmail.com
16	Kamble Arpata Dhanraj	B.Sc-III	7517716993	kamblearpata@gmail.com
17	Kamble Adati Kamraj	B.Sc-III	7776066985	kambleadati@gmail.com
18	Dadge Gayatri Pawan	B.Sc-III	8087123431	dadgegayatri@gmail.com

#### List of Students Advance and Slow Learner

Sr. No.	Nature of Mentee Students	Advance/ Slow	Class	Contact Number	E-mail
1	AURADE SHUBHAM DIGAMBAR	Advance	B. Sc. II		
2	KAMBLE ABHISHEKH SUDHAKAR	Slow	B. Sc. II		
3	SHAIKH SUPIYAN SHAHAJHAN	Advance	B. Sc. II		
4	JADHAV NIKHIL LIMBAJI	Slow	B. Sc. II		
5	BIRAJDAR VIKAS KAMALAKAR	Slow	B. Sc. II		
6	MUGALE GANESH NANDKUMAR	Slow	B. Sc. II		
7	JADHAV VIDYASAGR GOVIND	Advance	B. Sc. II		
8	DHANE PALLAVI DIGAMBER	Slow	B. Sc. II		
9	GHODKE ANAND YUVRAJ	Advance	B. Sc. II		
10	RATHOD TUSHAR TUKARAM	Advance	B. Sc. II		



### **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**

<b>Title of paper</b>	<b>Name of the author/s</b>	<b>Department of the teacher</b>	<b>Name of journal</b>	<b>Year of publication</b>	<b>ISSN number</b>	<b>Link to the recognition in UGC enlistment of the Journal</b>
Structural properties of holmium doped cobalt ferrite by standard ceramic technique.	P.K. Gaikwad S.S. Sawant	Physics	Innovare journal of science	2020	ISSN-2321-5496	<a href="https://www.researchgate.net/profile/Pravin-Gaikwad-5/publication/349279919_STRUCTURAL_PROPERTIES_OF_HOLMIUM_DOPED_COBALT_FERRITE_BY_STANDARD_CERAMIC_TECHNIQUE/links/6027b260299bf1cc26c15e1a/STRUCTURAL-PROPERTIES-OF-HOLMIUM-DOPED-COBALT-FERRITE-BY-STANDARD-CERAMIC-TECHNIQUE.pdf">https://www.researchgate.net/profile/Pravin-Gaikwad-5/publication/349279919_STRUCTURAL_PROPERTIES_OF_HOLMIUM_DOPED_COBALT_FERRITE_BY_STANDARD_CERAMIC_TECHNIQUE/links/6027b260299bf1cc26c15e1a/STRUCTURAL-PROPERTIES-OF-HOLMIUM-DOPED-COBALT-FERRITE-BY-STANDARD-CERAMIC-TECHNIQUE.pdf</a>

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

<b>S. N.</b>	<b>Name of the teacher</b>	<b>Title of the book/chapters published</b>	<b>National / International</b>	<b>ISBN number of the proceeding</b>	<b>Affiliating Institute at the time of publication</b>	<b>Name of the publisher</b>
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**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)
<b>1</b>					

**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.
<b>1</b>						

**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.
1					

### III D Research Guidance:

Sr. No.	Name of Research Student	Registration date	Date of Thesis Submitted/ W-I-Progress	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)
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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.
1	---	---	---	---	---

### 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.
1	---	---	---	---	---

**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	---	---	---	---	---

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

Content / Module	Link
1	---

**UNDERTAKING**

I **Dr. SAWANT SANDIPAN SHRIRANG** 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 Members 1) \_\_\_\_\_

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

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