

*Shri Shivaji Education Society Amravati's*  
**SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR**  
DEPARTMENT OF GEOLOGY  
**INTERNAL ACADEMIC AUDIT**  
**2019-2020**

1. *Vision and Mission of the Department.*

*Mission*

---

STUDENT CENTRIC TEACHING–LEARNING PROCESS AND PERSONALITY  
BUILDING OF STUDENTS' FOR CAPACITY BUILDING OF THE NATION.

*Vision*

---

1. *All inclusive , innovative , intensely involving teaching-learning process.*

2. *Encouragement and exposure to students for extracurricular activities.*

3. *Enhancement in research activity.*

2. *A. Faculty Strength:*

<i>Faculty</i>	<i>Recruited</i>	<i>Vacant</i>	<i>Remarks</i>
<i>Regular</i>	3	-	-
<i>CHB</i>	4	-	-
<i>Adhoc</i>			
<i>Non-teaching</i>			

*B. Faculty profile*

<b>Name</b>	<b>Highest Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>Teaching Experience</b>
<i>Dr. K.C. Shah</i>	<i>M.Sc., Ph.D</i>	<i>Associate Professor and Head</i>	<i>Environmental Geology</i>	<i>35 Years</i>
<i>Ms.P.B. Zamarkar</i>	<i>M.Sc., SET</i>	<i>Assistant Professor</i>	<i>Petrology</i>	<i>10 Month</i>
<i>Ms. A.D. Fuladi</i>	<i>M.Sc., SET</i>	<i>Assistant Professor</i>	<i>Hydrogeology</i>	<i>7 Years 6 month</i>

*Students strength*

<i>Year</i>	<i>Group</i>	<i>Number of Students Admitted</i>
<i>B.Sc. Semester I</i>	<i>CGM</i>	<i>15</i>
	<i>PCG</i>	<i>22</i>
	<i>CBG</i>	<i>22</i>
	<i>Total</i>	<i>59</i>
<i>B.Sc. Semester III</i>	<i>CGM</i>	<i>20</i>
	<i>PCG</i>	<i>24</i>
	<i>CBG</i>	<i>23</i>
	<i>Total</i>	<i>67</i>
<i>B.Sc. Semeste V</i>	<i>CGM</i>	<i>26</i>
	<i>PCG</i>	<i>19</i>

	<i>CBG</i>	19
	<i>Total</i>	64
<i>M.Sc. I</i>		
<i>M.Sc. II</i>		
<i>Ph.D</i>		
<i>Value Added Program</i>		

### 3. Students Performance

#### A. Result Analysis (Winter 2019)

<i>Programme Code</i>	<i>Programme Name</i>	<i>Programme Specialization</i>	<i>Number of students appeared in the final year examination</i>	<i>Number of students passed in final year examination</i>	<i>Pass Percentage</i>
1.	<i>B.Sc. III SEM V</i>		63	56	88.89

Result of EVEN Semester is not available due to COVID-19

*B.Achievements (Medals/Awards/Prizes at University level)*

<i>Sr.No.</i>	<i>Name of the Students</i>	<i>Class</i>	<i>Title</i>

*4. Students Progression:*

- (i) Students' publication in Extracurricular activity–*
- Museum Visited ( 8<sup>th</sup> Inspire Camp on Science awareness)*
  - Poster competition organized online by Department of Geology on held occasion of Environmental Day- 5<sup>th</sup> June 2020.*
  - Quiz on Social awareness campaign Covid -19 Pandemic.*

*(ii) Students' Extension Activity–*

- Interaction of GSI with the students to exchange geoscience activity under Bhuisamvad programme by Ministry of Mines, Government of India.*
- Guest lecture on Remote sensing and GIS.*
- NSS camp on Fetry Village.*
- NCC cadets - program involving: Kargil victory day, Cleanliness drive,, International Yoga Day, Aids Awareness Campaign, Tree plantation, Independence Day, Republic Day, Blood donation, Swachcha Bharat Abhiyan Rally, Painting Competition etc.*
- Seminar on Climate Change organized on Science Day with collaboration with Geology Department in Shivaji Science College Nagpur on dated 28 Feb. 2020*
- Online geological quiz based on syllabus*

*(iii) No. of Students pursuing higher course- Ten students qualified IIT JAM (From 2019 -2020 batch)*

- NIT ROURKELA*
- NIT Durgapur*
- IIT BHUBANESHWAR*

- *IIT ISM DHANBAD*

*(iv) Students' participation in seminar - Two Students participated in intercollegiate Powerpoint presentation competition organized by*

Dharampeth M.P. Deo memorial science College on 6th March 2020.

(v) Students' Learning course through online-

5. Faculty

I. Research Paper Publications - Nil

A. Total Number of publications:- . -

i) International Nil

ii) National Nil

B. Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self-citation
Nil						

C. Faculty participation in conferences/seminar/workshop and symposia:

Name of the Faculty	Title of Conference/Seminar/workshop Attended	Period	Level International/ National/ State /University /College	Whether Paper	Whether abstract /paper published in

				s e n t e d p a p e r s	Souvenir/Abstract Book
Dr. K.C. Shah	1.Training Programme on “ Revisiting Urban Risks: Planning for complex Emergencies” conducted by National Institute of Disaster Management in Collabration with Andhra Pradesh Human Resourse Development Institute, Guntur District.	6-8 July,2020	National		
	2.International webinar on “ Eastern philosophy and west” organized by cluster of 4 colleges M.P.Deo memorial science college Nagpur, Dr. M. K. Umathe college Nagpur, Bar. Sheshrao Wankhade Arts and commerce College Khaperkhada and Govindrao Wanjurkar College Nagbhid	14 <sup>th</sup> June 2020	Inter- National		
	3.Webinar on New Education Policy Post Covid-19 organized by IQAC of SSESAs Science College Nagpur.	20 <sup>th</sup> May 2020	College		
	4.Webinar on Geochemistry and its application in environmental studies organized by the Department of Greology, B.O. Chibambaram College.	15 <sup>th</sup> May 2020			
	5.NAAC awareness and procedure to be followed, under the received Assessment and Accreditation framework organized Dr. Ambedkar College Diksha Bhoomi Nagpur under aegis of Rashtriya Uchcharat Shiksha Abhiyan, Maharashtra and joint Director Higher Education Nagpur Region.	12 <sup>th</sup> June 2020			
Ms. P.B.Za markar	1.National conference on Science and Technology : Rural Development (Sustainable Development through Science and Technology).	Nov. 27 -28, 2019	National	-	-

	3. Ten Days International online Collaquiium on "Recent Trends in Geology" (RTG-2020) Organizedby Department of Geology, Periyar University PG Extension Centre, Dharamapuri.	May, 21 -30, 2020	University		
	4.e-Training on "Basic Course on Mineral Prospecting and Exploration, Resource Estimation-Techniques, UNFC, Ammended MMDR Act 2015, NMEP and NMP"	June 08 to 13, 2020	Regional Training Division, GSI, CR, Nagpur	-	-
	5. Geological Webinar Series" Organized by,Department of Geology, Shri Shivaji Science College, Amravati	11-May-2020 to 16-May-2020	College		
	6.UGC- HRDC Train the trainers soft skill programme Level 1	13 <sup>th</sup> - 17 <sup>th</sup> July 2020	University		
	7.Webinar on New Education Policy Post Covid-19 organized by IQAC of SSESAs Science College Nagpur.	20 <sup>th</sup> May 2020	College		
Ms. A. D. Fuladi	1.National conference on Science and Technology : Rural Development (Sustainable Development through Science and Technology).	Nov. 27 -28, 2019	National	-	-
	2. NAAC sponsored two days national seminar on Teaching, Learning, Evaluation and Best Practices for Quality Sustenance in Higher Education.	Dec 13 -14, 2019	College	-	-

e-Training on “Basic Course on Mineral Prospecting and Exploration, Resource Estimation-Techniques, UNFC, Ammended MMDR Act 2015, NMEP and NMP”.	June 08 to 13, 2020	Regional Training Division, GSI, CR, Nagpur	-	-
3. One week E-Course On "Watershed Management" organized by Department of Applied Geology, School of Environmental and Earth Sciences , Kavayitri Bahinabai Chaudhari, North Maharashtra University, Jalgaon.	May 12 to 18, 2020	University		
4. Ten Days International online Collaquiium on "Recent Trends in Geology" (RTG-2020) Organized by Department of Geology, Periyar University PG Extension Centre, Dharamapuri.	May 21-30, 2020	University	-	-
5. “Geological Webinar Series” Organized by, Department of Geology, Shri Shivaji Science College, Amravati.	11-May-2020 to 16-May-2020	College	-	-
6. Four days Webinar Series on "Application of Remote sensing in Hydrology and Environmental Protection for Sustainable Society" organized by Dept. of Environmental Science & Geology, Shri Shivaji Science College Amravati.	5th to 8th June, 2020	College		
7. Webinar on New Education Policy Post Covid-19 organized by IQAC of SSESAs Science College Nagpur.	20 <sup>th</sup> May 2020	College		

*D. Awards to Faculty members*

*MoUs signed with institutions of national, international importance, other universities, industries, corporatehouses etc. during the year*

<i>Date of MOU</i>	<i>Organization</i>	<i>Purpose/Activity</i>	<i>Student Participate under MOU</i>
<i>Nil</i>	-	-	-

*6. Research funds sanctioned and received from various agencies, industry and other organizations*

<i>Nature of the Project</i>	<i>Duration</i>	<i>Name of funding Agency</i>	<i>Amount Sanctioned</i>	<i>Amount Received</i>
<i>Nil</i>	-	-	-	-

*7. Books Published*

<i>Name of the Author</i>	<i>Book</i>		<i>Book Edited</i>
	<i>Title</i>	<i>ISBN and Date</i>	<i>Chapter</i>
<i>Nil</i>	-	-	-

8. *Research Guidance by Faculty during the year*

<i>Name of the guide</i>	<i>Ph.D</i>		
	<i>Awarded</i>	<i>Submitted</i>	<i>Registered</i>
<i>Nil</i>	-	-	-

9. *Action Plan of the Department (2020-2021)*

1. Regular teaching – learning as per the process in force.
2. To make advancement in teaching-learning and research facility while maximum utilization of already available resources.
3. Conduct of add-on course in Groundwater exploration.
4. Constitution of executive body and editorial board of Geological Society of the department and Geological Wall Magazine respectively. Encouraging and guiding students to take up various activity and Exams.
5. To take up
  - Research work for research degree.
  - Publications
  - Research Projects
6. To attend Conference, Seminar And Workshop.
7. To organize Guest Lectures, Field Tours, Organizational Visits and Extension Activity.

10. *Best Practices of the department*

- Students Counseling
- Involve students in high density reading and writing instruction
- Demonstrate instructional balance in learning
- Teacher – Parents meeting

### 11. SWOT Analysis

<i>Strength</i>	<ul style="list-style-type: none"> <li>• Infrastructure</li> <li>• Projector</li> <li>• Audio-visual</li> <li>• Advanced Equipments Geochemical Lab and Instruments</li> </ul>
<i>Weakness</i>	M.Sc. Research Centre, Offline Classes
<i>Opportunity</i>	Research
<i>Threat</i>	Increasing competition, Changing Government Policy and acceptance Pandemic threat