

## **Activities carried out by the Department of Geology in the year 2014-2015**

### **COLLABORATION And MOU**

1. National Institute of Oceanography, Dona Paula, Goa.
2. Indian Institute of Geomagnetism, Panvel, Navi Mumbai.
3. Geological Survey of India Training Institute, Nagpur, and Operations Maharashtra, Pune.
4. Carbonatite Research Institute, Ambadongar, Gujrat.
5. In 2013-14 Memorandum of Understanding (MOU) is signed with Indian Institute of Gemmology and Jewellery Art, Kolhapur.

### **AREAS COVERED IN MAPPING TRAINING AND STUDY TOURS**

1. Study tour was held at Gokak and nearby areas.
2. Field work was carried out at Kankavali and Achara Beach area.
3. Mapping and field training was carried out near Terekhol River in Sawantwadi.
4. Mapping was carried out in and around Kankavli area near Gad River .

### **CO-CURRICULAR / EXTENSION ACTIVITIES OF TEACHERS**

#### **I) Dr. J. B. Pishte, Head of the Department**

##### **A. Groundwater studies**

1. Resource person in a UGC sponsored State Level Seminar at Y.C.C.S., Karad.

##### **B. Medicinal Geology**

##### **C. Environmental Impact Assessment**

Consultancy in Environmental Impact Assessment is provided to professional company by Dr. J. B. Pishte as Functional Area Expert in Geology and Hydrogeology. He has been accredited by the Department of Environment and Forests, Government of India.

#### **II) Shri. J. V. Khanapurkar**

1. Resource person in a one day workshop at Y.C.College of Sci., Karad.
2. Resource person in a one day workshop at Rajaram College, Kolhapur.

#### **III) Shri. S. H. Pisal**

1. Consultancy in ground water exploration in rural and urban area of Kolhapur District and neighboring districts.
2. Ground water consultancy is also carried out along with Prin. Dr.J.B.Pishte on behalf of geology department and the collected revenue is Used for departmental activities.

#### **IV) Mrs. Y. A. Patil**

1. In order to create awareness among people and especially students organize a rock and mineral exhibition from time to time at various schools and colleges.
2. An active member of Society for Animal Protection which works for animal welfare.
3. Participation in activities of Bharatiya Jalsanskriti Mandal, an organization which works in field of water management and conservation.

### **Guest lectures-**

1. Organized guest lectures (on 25<sup>th</sup> and 26<sup>th</sup> of July, 2014) of Dr. Vinit Erram, Scientist, IIG, Panvel, Navi Mumbai.
2. Senior Geologists at GSI and Department alumni, Mr. Santosh Jagtap and Mr. Shailesh Yadav usually visits the department and interacts with the students of B.Sc.III and M.Sc. Very good interaction and relation with the alumni is maintained.

## **Activities carried out by the Department of Geology in the year 2015-2016**

### **Study Tours and Geological Mapping Training**

- a) **Study tour of B.Sc. III** was held at Aajra , Amboli & Sawantwadi area , where students got a chance to study various rock out crops & geological structures.
- b) **Study tour of B.Sc. I** was held at Radhanagari & Dajipur , whereas study tour of B.Sc. II was held at Malvan, through which students become familiar with various rock formations & geological structures.
- c) **Study tour of M.Sc.** students was held at Bagalkot, Badami and nearby areas in Karnataka State.



**Conglomerate & Quartzite at Bagalkot**



**Shale near Yargatti(Karnataka)**



**Stromatolitic Limestone Near Bagalkot.**

**d) Mapping and field training of M.Sc. Part-I students** was carried out near Terekhol River near Sawantwadi.

**Dissertation, Workshops and Training completed by students.**

- a.** The whole batch of **M. Sc. II** had successfully completed their **Dissertation work at IIG, Panvel, Navi Mumbai** in the months of November and December, 2015 (for 45 days), under the valuable guidance of well-known Geo-scientists of IIG, Panvel.
- b.** Students of **M.Sc. and B.Sc. III** had successfully attended two days **State Level Workshop on “Methodologies and Applications of Hydrogeology in Groundwater Resource Management”** on 21<sup>st</sup> and 22<sup>nd</sup> December, 2015 organised by Department of Geology, Sinhgad College of Science, Pune.

- c. Students of **M.Sc. and B.Sc. III** had successfully attended the “**5 days short term training programme on GIS and Remote Sensing Technology** using QGIS, Geoserver and Post GIS – an Open Source Desktop & Web GIS Software”, from January 04<sup>th</sup> to 08<sup>th</sup>, 2016 Conducted by ADCET, Ashta.

## Guest lectures

- a) Organized guest lectures of **Dr. Vinit Erram**, Scientist, **IIG**, Panvel, Navi Mumbai on 06<sup>th</sup>, 07<sup>th</sup> and 08<sup>th</sup> of August, 2015.
- b) Organized lecture series of **Dr. Rajiv Nigam**, Head, Geological Division and Deputy Director, **NIO**, Dona Paula, Panaji, Goa; **Dr. S. D. Iyer**, Senior Scientist, **NIO**, Dona Paula, Panaji, Goa; and **Dr. V. J. Loveson**, Senior Scientist, **NIO**, Dona Paula, Panaji, Goa on 23<sup>rd</sup> January, 2016.

**Dr. Rajiv Nigam guiding the students and staff.**





**Dr. S. D. Iyer guiding the students and staff.**



**Dr. V. J. Loveson guiding the students and staff.**



c) Organized guest lecture of **Dr. A. R. Kulkarni**, Head, Dept. of Environment Management, **CSIBER**, Kolhapur on 29<sup>th</sup> January, 2016.

d) Senior Geologists of **GSI** and Department alumni, **Mr. Santosh Jagtap**, **Mr. Sagar Vhatkar** and **Mr. Shailesh Yadav** usually visits the department and interact with the students of B.Sc.III and M.Sc. Very good interaction and relation with the alumni is maintained.

## **Activities carried out by the Department of Geology in the year 2016-2017**

### **Study Tours and Geological Mapping Training**

**Study tour of M.Sc.** students was held at Chitradurga, Shimoga , Karwar and nearby areas in Karnataka State.

**Yana Black Limestone in Karwar District.**





**At GSI National monument, Maradihalli, Chitradurga.**



**On Granite Batholith near Chitradurga.**



**Mapping and field training of M.Sc. Part-I students was carried out in and around Phonda area of Sindhudurg District.**

### **Dissertation, Workshops and Training completed by students.**

- a. The whole batch of **M. Sc. II** had successfully completed their **Dissertation work carried on different Geological aspects in nearby areas of Kolhapur.**

### **Guest lectures**

- a) Organized guest lecture of **Mr. S. V. Vhatkar**, Geologist, Geological Survey of India on 16<sup>th</sup> of August, 2016.
- b) Organized guest lecture of **Mr. Vinay Kamble**, Exploration Geologist, Vedanta Mining Ltd., Goa on 6<sup>th</sup> of September, 2016.
- c) Organized guest lecture of **Mr. Santosh Jagtap**, Geologist, Geological Survey of India on 7<sup>th</sup> of September, 2016.
- d) Organized guest lecture of **Mr. Ajay Sawant**, Junior Geologist, Groundwater Survey and Development Agency on 8<sup>th</sup> of September, 2016.
- e) Organized guest lecture of **Mr. Shailesh Yadav**, Geologist, Geological Survey of India on 14<sup>th</sup> of September, 2016.

### **Activities carried out by the Department of Geology in the year 2017-2018**

#### **Study Tours and Geological Mapping Training**

**Study tour of M.Sc. students** was held at Bagalkot, Badami, Gokak and nearby areas in Karnataka State.

#### **At Badami Caves**





**At Gokak Waterfalls.**



**In a Dolomite Opencast mine at Bagalkot**



**Study tour of B.Sc. III** students was held at Yana, Gokarna, Ankola, Karwar, Udupi and nearby areas in Karnataka State.

**At Ankola, Karwar District.**



**Mapping and field training of M.Sc. Part-I** students was carried out in and around Phonda area of Sindhudurg District.

**Mapping Training near Phonda**





### **Dissertation, Workshops and Training completed by students.**

- a. Two of students of this batch of **M. Sc. II** had successfully completed their **Dissertation work at IIG, Panvel, Navi Mumbai** in the months of November and December, 2017 (for 45 days), under the valuable guidance of well-known Geo-scientists of IIG, Panvel.
- b. One of student of this batch of M.Sc. II had successfully completed his **Dissertation work at AMD, Hyderabad** in the months of November- December, 2017 ( for 45 days ).

### **Guest lectures**

- a) Organized guest lecture of **Mr. U. S. Nadgouda**, Project Assistant, Central Institute of Mineral & Fuel Research, Chhattisgarh on 29/01/2018.
- b) Organized guest lecture of **Dr. Arvind Awati**, Retired Scientist, Department of Atomic Energy, Govt. Of India on 02/02/2018.

#### **Dr. Awati Guiding the Students and Staff**





c) Organized guest lecture of **Dr. A. R. Kulkarni**, Head, Department of Environment Management, CSIBER, Kolhapur on 15/02/2018.

Wel come of Dr. A. R. Kulkarni



Dr. A. R. Kulkarni guiding the students and Staff.



## Activities carried out by the Department of Geology in the year 2018-2019

**A) One Day Workshop:** Organized one day workshop on 'Role of Geology and Ecogeomorphology in Water Resource Management' on 20/02/2019.





**A) Study tour of M.Sc. students** was held at Gadag, NMDC Iron Ore mine at Donimalai, Chitradurga, Gokarna, Dandeli and nearby areas in Karnataka State.

At NMDC Iron Ore Mine, Donimalai.



At NMDC Iron Ore Mine, Donimalai.



At OM Beach, Gokarna.





**Dissertation, Workshops and Training completed by students.**

- a. Three students of this batch of **M. Sc. II** had successfully completed their **Dissertation work at IIG, Panvel, Navi Mumbai** in the months of December, 2018 and January, 2019 (for 45 days), under the valuable guidance of well-known Geo-scientists of IIG, Panvel.

## **Guest lectures**

- a) Organized guest lecture of **Mr. A. S. Sawant**, Geologist, GSDA, Nagpur on 22<sup>nd</sup> of September, 2018.
- b) Organized guest lecture of **Mrs. P. A. Sawant**, Geologist, IBM, Nagpur on 22<sup>nd</sup> of September, 2018.
- c) Organized guest lecture of **Mr. U. S. Nadgouda**, Geologist, CIMFR, Chhattisgarh on 12<sup>th</sup> of September, 2018.
- d) Organized guest lecture of **Mr. Shailesh Yadav**, Geologist, and Geological Survey of India, Jammu on 31<sup>st</sup> of October, 2018.
- e) Organized guest lecture of **Mr. Sandip Patil**, Data Engineer, ONGC, Kakinada on 31<sup>st</sup> of October, 2018.
- f) Prof. J. V. Khanapurkar delivered a lecture on “**Institutes Available in Maharashtra for PG Course in Geology and Career Opportunities in Geology**” for Students of Geology at **Yashwantrao Chavan College of Sci., Karad** on 12/03/2019.
- g) Prof. J. V. Khanapurkar delivered a lecture on “**Institutes Available in Maharashtra for PG Course in Geology and Career Opportunities in Geology**” for Students of Geology at **Rajaram College, Kolhapur** on 08/03/2019.

## **Seminars**

Regular seminar activities of the B.Sc. III students and M.Sc. students are conducted throughout the year in order to make them compatible with teaching skills and boost their confidence to express themselves.

### **Publications:**

- i) Prof. J. V. Khanapurkar has published 2 scientific papers in UGC recognized National Journal during 2018-2019.
- ii) Prof. Mrs. Y. A. Patil has published 2 scientific papers in a UGC recognized International Online Journal during 2017-2018.