

# DEPARTMENT OF EARTH SCIENCES

## Achievement of Departments during 2016-17 session

### **Infrastructure Developed**

- ❖ Three laboratories (1. **Water Geochemistry**, 2. **Microscope**, 3. **Rock cutting, grinding polishing and mineral processing laboratories**) and one **museum** (having hundred of rocks, minerals and fossils specimens, models) were developed.
- ❖ Three class rooms are made smart having wall mounted projectors, motorized screens). Numbers of computers, scanners, printers were added to the existing Computer Laboratory.
- ❖ Three Seminar Hall and class rooms are built in the 1<sup>st</sup> floor by CPWD from RUSA Grant.
- ❖ On 30.03.2017, Prof. Biswajit Satapathy, Chairman P.G. Council inaugurated a **Geologists' photo gallery** in the Department.

### **Strengthening of Library**

- ❖ An E-library was developed containing 10,000 e books. New books were added to the existing seminar library.

### **Revision of course curriculum**

- ❖ Revision of course curriculum was carried out in the year 2016 incorporating syllabus from NET, GSI and civil service examinations.

### **Deliberation of Visiting Professor**

- ❖ In 2016-17 session, Prof. D P Kuity, Retd., Pt. Ravi Sankar University, Raipur (Igneous Petrology) and Prof. Madhumita Das, Vice Chancellor, Fakir Mohan University joined as UGC visiting professor in the Department and enlightened our students through academic discourses

### **Extramural lecture Series**

- ❖ Extramural lecture Series comprising 13 lectures has been conducted in the Department in 2016-2017. Lectures have been delivered by Prof. D.P. Mishra, IIT, Kanpur ; Prof. Manmohan Mohanty, Utkal University; Prof. Madhumita Das, Vice Chancellor, FM University; Prof. D.P. Kuity, Pt. Rabi Shankar University, Raipur; Prof. Pratap Sahoo, NISER, Bhubaneswar, Dr. Tapan Moharana, Senior Geologist, GSI; Dr. Ashutosh Tripathy, Superintendent Geologist, GSI; Dr. Priya Pachauri, Geologist, GSI; Prof. Sudhakar Patra, Berhampur University; Dr. P.K. Merkap, IFS, Chairman, Rajasthan State Biodiversity Board; Dr. Prasant Kumar Panigrahi, Sr. General Manager, OCL; Prof. Sanjeev Karmakar, Bhilai Institute of Technology; Prof. B.C. Guru, KIIT University

### **Research Project**

- ❖ A Department of Science and Technology (Government of India) project entitled "GEOCHEMICAL INVESTIGATION OF GROUNDWATER OF ATHGARH BASIN, ODISHA, INDIA" was successfully completed by Prof. Shreerup Goswami.

- ❖ Grant for a new project entitled “BIODIVERSITY AND PALAEOENVIRONMENT IN THE PART OF TALCHER BASIN: INFERENCES FROM LOWER GONDWANA PLANT FOSSILS” sponsored by Department of Science and Technology (Government of Odisha) has been received.
- ❖ The Department has undertaken a Research Project entitled “Development and Design of a village GIS for Janhapada Grampanchayat in Attabira Block, Sambalpur District” under Village Adoption Programme funded by NIRD, Hyderabad.

### **Research Collaboration with other Institutions**

- ❖ Collaborative research is being carried out and papers were published with teachers and scientists of IIT Bombay (Mumbai), Department of Natural Sciences, National Museum Wales, Cathays Park, Cardiff CF10 3NP, UK; Indian Institute of Remote Sensing (IIRS, Dehradun), Odisha Space Application Centre (ORSAC, Bhubaneswar), Indian National Centre for Ocean Information Service (INCOIS, Hyderabad), National Institute of Rural Development (NIRD, Hyderabad), Birbal Sahani Institute of Palaeosciences (BSIP, Lucknow), Geological Survey of India, Visva Bharati, Shantiniketan etc.

### **Teachers’ Achievement**

- ❖ Ph.D. Awarded under supervision of Department teachers:4
- ❖ The teachers of the Department have published research papers in the journals indexed by Scopus and Web of science and published by Elsevier, Springer, Wiley Sons, Cambridge University Press, Indian Academy of Sciences, Taylor and Francis.
- ❖ The faculty members of the Department published 32 research papers in the journals of international and national repute and presented 7 papers in the seminars. Moreover, teachers of the Department published 4 books including two text books.

### **Students’ Achievement**

- ❖ Two students have qualified NET in 2016-17 (Manas Ranjan Jena, Sourav Suman Nayak)
- ❖ DST- INSPIRE fellowship has been awarded to five students (Supriya P. Naik; Sanghamitra Pradhan, Alora S. Sharma, Roshni Patel; Soumyashree Nanda) and National Fellowship for Sc has been awarded to Sushree Sagarika Behera and they took admission in Ph.D. programme in the Department.
- ❖ 10 post graduate students received fellowship/scholarship from Department of Science and Technology, Government of Odisha and is highest in the number amongst the Geology/ Earth Science Departments of Universities and NIT of Odisha. Moreover, our student Pankajini Pradhan secured first position in this state level entrance examination.
- ❖ Four of our passed out post graduate students of 2016 batch got jobs and others are pursuing doctoral research and M.Phil.