

**UID: 198407**

## **Field Report**

A fieldwork report on the Tertiary Stratigraphy of Kachchh, Gujarat

**(15th Dec 2019 to 27th Dec 2019)**



By  
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M.Sc I

Submitted to

Department of Geology  
St. Xavier's College, Mumbai  
December 2019

## CERTIFICATE

This is to certify that Ms. Vidiksha Fernandes Class- M.Sc.-I UID No- 198407 has successfully carried the compulsory field work at Kachchh in Gujarat State from 16<sup>th</sup> December, 2019  
- 25<sup>th</sup> December 2019 as a part of the curriculum.

**Field Instructors**



Dr. Shweta Gurav

**Field Instructors**



Mr. John Dsouza



Dr. Pravin Henriques  
Head,  
Department of Geology

## ABSTRACT

Geology department of St. Xavier's College organised a fieldwork to Kachchh, Gujarat, India from 15 December – 26 December 2019. Kachchh is a sedimentary basin which is located western India is a peri cratonic rift basin, which extends from the Great Rann of Kachchh in the north to Gulf of Kachchh in the south. The basin originated during the Mesozoic and has a thick succession of sediments ranging in age from Middle Jurassic (Bathonian) to Quaternary. The sediments and litho-units were exposed in a narrow coastal plains and peripheral plains along river cut section, road, hill slopes and low-lying ground areas. The four main formations visited and studied were Matanomadh Formation at the base, Naredi Formation, Harudi Formation, Fulra Limestone Formation and Maniyara Fort Formation deposited during the Paleogene age. Sandhan Formation and Khari Nadi Formation deposited during the Neogene era.