

UID: 198417

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
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CERTIFICATE

This is to certify that Ms.Teffy thomas Class- M.Sc.-I UID No- 198417 has successfully carried the compulsory field work at Kachchh in Gujarat State from 16th December, 2019 - 25th December 2019 as a part of the curriculum.

Field Instructors



Dr. Shweta Gurav

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Mr. John Dsouza



Dr. Pravin Henriques
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ABSTRACT

The study area consists of different formations of Tertiaries of Kuchcch wrapped around the Mesozoic uplifted mass and Deccan Trap sediments. The formations include Matanomadh, Naredi, Harudi, Fulra limestone and Maniyara Fort Formation. We had studied the past environment and various different structural characters associated with each bed, fossils were collected and identified, make stratigraphic log columns for each formation and done the location mapping. The main objective of the visit is to thoroughly familiarize with all the formations of Tertiary age of Kuchcch, identify the fossils and how to make stratigraphic log columns. The geological past associated with the Kuchcch basin were studied based on evidences. The report is of various studies related to the Kuchcch basin mainly the Tertiary age sequence including its evolution and the common characteristics based on both the previous works and our field observations. The climate, topography, drainage, flora and fauna of the region were also studied. Sedimentary log of each formations, the Geological Map, Coordinates of the localities which we visited and the Rose Diagram made by the strike and dip calculation of the joint planes in the Bermoti member are also included.