

UID: 198410

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. Roshani Kapadia Class- M.Sc.-I UID No- 198410 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

Field Instructors



Mr. John Dsouza



Dr. Pravin Henriques
Head,
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ABSTRACT

Field work was carried out near Naredo, Harudi, Kharai, Lakhpat, Ber Moti and Matanomadh areas in parts of toposheets 41A/10, 41A/11, 41A/14, 41A/15 and 41A/16 from 15th December, 2019 to 27th December, 2019 (Two days of transit). The objective of this project was to carry out extensive field work to study the Tertiary stratigraphy of Kachchh pericratonic rift basin. Tertiary sediments are developed in the western part of the rift basin and are mainly exposed in the narrow coastal plains and peripheral plains of the Mainland. The Tertiary stratigraphy of Kachchh starts from the Paleogene successions of Matanomadh, Naredi, Harudi, Fulra and Maniyara Fort Formations. This Paleogene succession is overlain by the Neogene formations namely Khari Nadi, Chhasra and Sandhan Formations. Out of these, Matanomadh, Naredi, Harudi, Fulra and Maniyara Fort Formations were extensively studied to better understand their lithologies and fossil assemblages. Sedimentary logs for every formation were also prepared.