

UID: 198403

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. Risha D'Souza Class- M.Sc.-I UID No- 198403 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

A 10 days fieldwork was conducted at Kachchh and areas around it. The focus was entirely on the Tertiary stratigraphy of Kachchh. This includes 5 Formations viz., Matanomadh Formation, Naredi Formation, Harudi Formation, Fulra Limestone Formation and Maniyara Fort Formation. Along with these another Formation called Khari Nadi Formation was also seen. In each of these Formations, the sequence was studied along with the rock types, presence of fossils and sedimentary structures. Sedimentary logs were drawn at all these Formations in their type sections as well as reference section and was correlated. A rosette was drawn by taking the readings of joint planes along and across the river bed. This was done to infer the paleocurrent direction. Another Formation called as the Bhuj Formation was briefly visited to see the sedimentary structures such as the cross-beddings.