

UID: 198401

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
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CERTIFICATE

This is to certify that Ms. Anjali Kumari Class- M.Sc.-I UID No- 198401 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
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ABSTRACT :

The Kachchh sedimentary basin in the western continental margin of India is a rift basin which preserve sediments of nearly middle Jurassic to recent times having several stratigraphic break. The tertiary sediments of Kachchh basin which is exposed in the western part extend offshore into present day continental shelf. Extensive field work was carried out in and around areas of Matanomadh, Bermoti ,Khari, Lakhpat , Naredi and Harudi in the district of Kachchh , Gujarat from 15 December 2019 to 27 December 2019. The toposheet number are 41A/10, 41A/11, 41A/14, 41A/15, 41A/16 under which the study area of tertiary of Kachchh fall .The sediments and litho-units are exposed along the road side and river-cut section very well. Also some are exposed in hill slopes and low ground areas. The sequence of tertiary sediments of Kachchh basin is followed its lower most bed which is Matanomadh formation which underlies the Deccan trap basalt . This is overlain by Naredi formation followed by Harudi formation, Fulra limestone formation , Maniyara fort formation in Paleogene period , Khari nadi formation, Chhasra formation and Sandhan formation during Neogene period. Field work was carried to understand the lithologies fossils assemblage stratigraphy of the area.