## **Department of Geology**

## **Details of Students participation in Project Work** 2021-2022

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3	This is to certify that the project report entitled, Textural Studies of the River and Beach Sediments of Ponnani, Kerala, is a bonafide record of work done by Aswan P K
9	SatheeshLal K A
	Sarathprabhakaran P P
>	Sona K P
	Sandra Rajan
•	SwathyMohanan K
9	Raeesa C
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	Saranya T V
2	in partial fulfillment of the requirements for the award of Degree of Bachelor of Science,
	in Geology during the academic year 2019-22.
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Dr .V.K. Brijesh

# PETROGRAPHY OF THE ROCKS FROM ATTAPPADI VALLEY, PALAKKAD DISTRICT, KERALA

Project work submitted to THE UNIVERSITY OF CALICUT In partial fulfillment of the requirements the award of the Degree of Bachelor of Science (B.Sc.) In Geology

By

### GREESHMA V.P. Register No: POATSGL018



DEPARTMENT OF P.G STUDIES AND RESEARCH IN GEOLOGY M.E.S PONNANI COLLEGE PONNANI PONNANI SOUTH-PO, MALAPPURAM, KERALA, INDIA-679586

**APRIL 2022** 

### A PROJECT REPORT ENTITLED ON

# "AN APP FOR WATER QUALITY INDEX - HYDRA JAL"

Submitted to the University of Calicut in Partial fulfillment of the Requirement for the Award of Degree of BACHELOR OF SCIENCE IN GEOLOGY



Submitted By MOHAMMED SUHAIL N V (Reg. NO. POATSGL033) JISLY SHAREEFA M I (Reg. NO. POATSGL019) ANAND S PRATHAP (Reg. NO. POATSGL031) VISHNU K P (Reg. NO. POATSGL038) SREERAM V NAIR (Reg. NO. POATSGL037) MUHAMMED NIHAL P (Reg. NO. POATSGL035) SHALIN K HARI (Reg. NO. POATSGL036)

UNDER THE GUIDANCE OF Dr. K. S ARUN KUMAR (ASSISTANT PROFESSOR)





Department of PG Studies & Research in Geology M E S Ponnani College Ponnani, Ponnani (PO), Kerala -679586

2021-22

Mapping the neighborhoods using mobile phones and open source GIS: A pilot study from Ponnani Municipality, Malappuram District, Kerala

Dissertation submitted to the University of Calicut In partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in Geology

## By

Name : ASWINI KP P KRISHNENDU CHANDANA MV FIDHA U AFHAM K SHARATH PV ATHIRA DINESH MOHAMMED ADNAN

Department of PG Studies & Research in Geology M E S Ponnani College Ponnani Ponnani South (PO), Kerala -679586 2021-22



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April 18, 2022

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This is to certify that the student project entitled Mapping the neighborhoods using mobile phones and open source GIS: a pilot study from Ponnani Municipality, Malappuram District, Kerala is an original work carried out by......FARSANA JASMIN ,SHIRIN SULTHANA, SHIFANA, ABDULLA AJMAL.T, FAIROOSA, AFLAHA NOORA, UBAID......under my guidance and supervision.

Further to this, I am to state that this work has not been part of any thesis or dissertation submitted to this University or any other university before.

V.K. Brijesh





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August 24, 2022

## **CERTIFICATE**

This is to certify that the dissertation on "IDENTIFICATION OF MAJOR FACTORS AFFECTING SPATIAL AND TEMPORAL VARIATION OF WATER QUALITY IN THRISSUR WETLAND BASIN, USING WATER QUALITY INDICES AND GIS" is a bonafide record work done by Ms. HASNA.P.K (Reg. No. POAUMAG004) in partial fulfillment of the requirements for the award of degree in Master of Science in Applied Geology during the academic year 2021-2022.

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This is to certify that the dissertation work on 'GRANULOMETRIC STUDIES OF CORE SEDIMENTS FROM THE COASTAL PLAINS OF PONNANI, CENTRAL KERALA, INDIA.' is a bonafide record work done by Mufsina K. (Reg. No. POAUMAG011) in partial fulfillment of the requirements for the award of degree in Master of Science in Applied Geology during the academic year 2021-2022.

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This is to certify that the thesis entitled. "Evaluation of EO1 ALI data for lithological mapping: A case study from Attappadi Valley, Palakkad District, Kerala "is a bonafide record of work done by Mr. Muhammed Swalih V (Reg.No. POAUMAG012) under the supervision and guidance of Dr. M. Nithya, Assistant Professor of Geology, MES Ponnani college in partial fulfillment of the requirements for the award of the Degree of Master of Science (M.Sc.) in Applied Geology during the academic year 2020-2022

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## GEOSPATIAL MAPPING OF LANDSLIDE SUSCEPTIBILITY: A CASE STUDY FROM MEPPADI PANCHAYATH, WAYANAD DISTRICT, KERALA.

Dissertation Submitted to the University of Calicut in partial fulfilment of the requirements for the Award of the degree of Master of Science in Applied Geology

By

## Ms.VARSHA RADHAKRISHNAN Reg. No. POAUMAG020

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This is to certify that the dissertation on 'TEXTURE AND SHORELINE CHANGES ALONG THE NORTHERN COAST OF BHARATHAPPUZHA ESTUARY (THOOVALTHEERAM – CHALIYAM REGION), CENTRAL KERALA, INDIA' is a bonafide record work done by MARIYAM SHAHANAYI K (Reg. No. POAUMAG008) in partial fulfilment of the requirements for the award of degree in Master of Science in Applied Geology during the academic year 2021-2022.

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V.K. Brilling

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# LANDSLIDE MAPPING USING CHANGE DETECTION, SUPERVISED CLASSIFICATION AND OBJECT-BASED DETECTION METHODS FOR IDUKKI DISTRICT, KERALA.

Dissertation Submitted to the MES College Ponnani in partial fulfillment of the requirements for the degree of Master of Science in Applied Geology

By

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This is to certify that the dissertation work on 'GRANULOMETRIC STUDIES OF SUBSURFACE SEDIMENTS OFF KASARAGOD, KERALA" is a bonafide record work done by LUBINA U.V. (Reg. No. POAUMAG006) in partial fulfillment of the requirements for the award of degree in Master of Science in Applied Geology during the academic year 2021-2022.

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## DELINEATION OF GROUNDWATER POTENTIAL ZONES IN CHITTUR BLOCK, PALAKKAD DISTRICT, KERALA USING GEOSPATIAL TECHNOLOGY

Dissertation Submitted to the MES Ponnani College in partial fulfilment of the requirements for the degree of Master of Science in Applied Geology

By

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Dr. K.S Arun Kumar

Dr. K.S. Arufilumar, M.Sc., M.Phill, Ph.D., Assistant Professor Department of PG Studies & Research in Geology MES Ponnani College Ponnani South - PO, Malappuram Kerala - 679586, Ind'a

## MORPHOMETRIC AND MORPHOTECTONIC ANALYSIS OF KORAPUZHA RIVER BASIN, NORTH KERALA, INDIA USING GEOSPATIAL TECHNIQUES

Dissertation Submitted to the MES Ponnani in partial fulfilment of the requirements for the degree of Master of Science in Applied Geology

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