



Department of Earth Science

UNIVERSITY OF SCIENCE AND TECHNOLOGY, MEGHALAYA

(Established under Act No. 6 of 2008 enacted by the State Legislative Assembly Meghalaya and incorporated under section 22 & 2 (f) of the UGC Act 1956)

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Date: 04-06-2019

Certificate

This is to certify that **KOUSTAV KRISHNA NATH**, bearing Roll No. 17/MEV/01 is a bona fide student of Fourth Semester of the Course **MSc Environmental Science** in the Department of Earth Science, University of Science and Technology, Meghalaya. He has carried out the dissertation entitled ***Study on spatial distribution and movement pattern of feral horses in Dibru Saikhowa National Park*** under my guidance in partial fulfillment of the requirement for the Degree of Master of Science in Environmental Science. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.

(Shamikhu Changmai)

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Certificate

This is to certify that **SANTHO CH. MARAK**, bearing Roll No. 17/MEV/02 is a bona fide student of Fourth Semester of the Course **MSc Environmental Science** in the Department of Earth Science, University of Science and Technology, Meghalaya. He has carried out the dissertation entitled ***Activity budgeting of Western Hoolock Gibbon in Tura Peak Researve Forest, West Garo Hills, Meghalaya*** under my guidance in partial fulfillment of the requirement for the Degree of Master of Science in Environmental Science. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.

(Dr. Anindita Bhattacharya)

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Certificate

This is to certify that **ABHISHEK KHANAL**, bearing Roll No. 17/MEV/03 is a bona fide student of Fourth Semester of the Course **MSc Environmental Science** in the Department of Earth Science, University of Science and Technology, Meghalaya. He has carried out the dissertation entitled ***Habitat Suitability Analysis of feral horses in Dibru Saikhowa National Park*** under my guidance in partial fulfillment of the requirement for the Degree of Master of Science in Environmental Science. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.

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Certificate

This is to certify that **REVAMICA SUCHIANG**, bearing Roll No. 17/MEV/04 is a bona fide student of Fourth Semester of the Course **MSc Environmental Science** in the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled ***Potential of wild edible plants as food in Jowai, Meghalaya*** under my guidance in partial fulfillment of the requirement for the Degree of Master of Science in Environmental Science. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.

(Kitboklang Sun)

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Certificate

This is to certify that **SHAHEEN SIDDIQUA**, bearing Roll No. 17/MEV/05 is a bona fide student of Fourth Semester of the Course **MSc Environmental Science** in the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled ***Utilization of plant resources for medicinal purpose: A study in Rangaloo-Sutar Gaon of Nagaon district of Assam*** under my guidance in partial fulfillment of the requirement for the Degree of Master of Science in Environmental Science. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.

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Certificate

This is to certify that **MONOJIT DEBBARMA**, bearing Roll No. 17/MEV/06 is a bona fide student of Fourth Semester of the Course **MSc Environmental Science** in the Department of Earth Science, University of Science and Technology, Meghalaya. He has carried out the dissertation entitled **Monitoring of sound level at different sites in Agartala city, Tripura** under my guidance in partial fulfillment of the requirement for the Degree of Master of Science in Environmental Science. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.

(Dr. Lalit Saikia)
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CERTIFICATE

This is to certify that **NORA T. SANGMA**, bearing Roll No. 17/MEV/07 is a bona fide student of Fourth Semester of the Course **MSc Environmental Science** in the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled ***Study of medicinal plants utilized by the people of Balsrigittim, William Nagar, East Garo Hills, Meghalaya*** under my guidance in partial fulfillment of the requirement for the Degree of Master of Science in Environmental Science. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.

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CERTIFICATE

This is to certify that **MITHINGA DAIMARI**, bearing Roll No. 17/MEV/08 is a bona fide student of Fourth Semester of the Course **MSc Environmental Science** in the Department of Earth Science, University of Science and Technology, Meghalaya. He has carried out the dissertation entitled ***Assessment of carbon stock of bamboo in Udalguri district*** under my guidance in partial fulfillment of the requirement for the Degree of Master of Science in Environmental Science. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.

(Kitboklang Sun)

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Certificate

This is to certify that **AMANDA LYTAN**, bearing Roll No. 17/MEV/10 is a bona fide student of Fourth Semester of the Course **MSc Environmental Science** in the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled ***Water quality analysis in nearby areas of USTM*** under my guidance in partial fulfillment of the requirement for the Degree of Master of Science in Environmental Science. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.

(Rajashree Bhuyan)

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Certificate

This is to certify that **SOOKIWAKA LYWAIT**, bearing Roll No. 17/MEV/11 is a bona fide student of Fourth Semester of the Course **MSc Environmental Science** in the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled ***Plant diversity in Raij Langdoh Ionglang Sacred Grove of Ionglang Village, West Jaintiya Hills, Meghalaya*** under my guidance in partial fulfillment of the requirement for the Degree of Master of Science in Environmental Science. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.

(Dr. Anindita Bhattacharya)

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This is to certify that **KYNSAI BOR BAMON**, bearing Roll No. 17/MEV/12 is a bona fide student of Fourth Semester of the Course **MSc Environmental Science** in the Department of Earth Science, University of Science and Technology, Meghalaya. He has carried out the dissertation entitled ***Ecosystem services provided by home gardens in East Jaintia Hills*** under my guidance in partial fulfillment of the requirement for the Degree of Master of Science in Environmental Science. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.

(Kitboklang Sun)

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This is to certify that **DIXITA PHUKAN**, bearing Roll No. 17/MEV/13 is a bona fide student of Fourth Semester of the Course **MSc Environmental Science** in the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled ***Monitoring some of the selected parameters in oily sludge remediation*** under my guidance in partial fulfillment of the requirement for the Degree of Master of Science in Environmental Science. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.

A handwritten signature in black ink, appearing to be 'Anindita'.

(Dr. Anindita Bhattacharya)

Supervisor

Associate Professor

A handwritten signature in blue ink, appearing to be 'B. Singh'.

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A handwritten signature in blue ink, appearing to be 'J. Singh'.

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This is to certify that **KUKI SAIKIA**, bearing Roll No. 17/MEV/14 is a bona fide student of Fourth Semester of the Course **MSc Environmental Science** in the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled ***Assessment of carbon stock at National Highway 37 (Khanapara-Jalukbari)*** under my guidance in partial fulfillment of the requirement for the Degree of Master of Science in Environmental Science. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.

(Dr. Anindita Bhattacharya)

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This is to certify that **NORIMBE S. SANGMA**, bearing Roll No. 17/MEV/15 is a bona fide student of Fourth Semester of the Course **MSc Environmental Science** in the Department of Earth Science, University of Science and Technology, Meghalaya. He has carried out the dissertation entitled ***Assessment of selected physical and chemical properties of drinking water from different sites of South Guwahati*** under my guidance in partial fulfillment of the requirement for the Degree of Master of Science in Environmental Science. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.

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This is to certify that **RONALD RATANA BASUMATARY**, bearing Roll No. 17/MEV/16 is a bona fide student of Fourth Semester of the Course **MSc Environmental Science** in the Department of Earth Science, University of Science and Technology, Meghalaya. He has carried out the dissertation entitled **Forest Cover Change in Dibru Saikhowa National Park from 2000 to 2018** under my guidance in partial fulfillment of the requirement for the Degree of Master of Science in Environmental Science. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.

(Shamikhu Changmai)

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This is to certify that **THAJIM BRAHMA**, bearing Roll No. 17/MEV/17 is a bona fide student of Fourth Semester of the Course **MSc Environmental Science** in the Department of Earth Science, University of Science and Technology, Meghalaya. He has carried out the dissertation entitled ***Floristic diversity, structural composition and economic utilization of forest resources in Kochugaon Reseave Forest*** under my guidance in partial fulfillment of the requirement for the Degree of Master of Science in Environmental Science. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.

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This is to certify that **LAIRENLAKPAM SISILY DEVI**, bearing Roll No. 17/MEV/18 is a bona fide student of Fourth Semester of the Course **MSc Environmental Science** in the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled ***A study on soil and water pollution from industries and agriculture in Imphal, Manipur*** under my guidance in partial fulfillment of the requirement for the Degree of Master of Science in Environmental Science. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.

(Dr. Lalit Saikia)

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CERTIFICATE

This is to certify that **OME MEGU** , bearing Roll No. 17/MEV/19 is a bona fide student of Fourth Semester of the Course **MSc Environmental Science** in the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled ***Utilization, Threats and Conservation of Livistona jenkinsiana among Adi tribe of Pasighat in East Siang district of Arunachal Pradesh*** under my guidance in partial fulfillment of the requirement for the Degree of Master of Science in Environmental Science. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.

(Shamikhu Changmai)

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Certificate

This is to certify that Miss Smrity Chiring Phukon bearing Roll No 17/MGE/01 and Enrollment No PG/2017/02947 of 2017-19 is a bonafied student of 4th semester of the course M.A Geography of Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled "Runoff Assessment In Lower dekhow River" under my guidance and supervision in partial fulfillment of the requirement of the Degree of Master of Arts in Geography.

Data incorporated in this report are based on his/her observation and not submitted for other degree in any other institute.

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Dr. Eahya Al Huda
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Assistant Professor

CERTIFICATE

This is to certify that Ms. Prayasi Bordolai bearing Roll No. 17/MGE/02 and Enrollment No. PG/2017/02983 is a bona fide student of fourth semester of the course M.A. Geography of the Department of Earth Science of University of Science and Technology, Meghalaya. She has successfully carried out the dissertation entitled "Rainfall and Temperature variation in Sivasagar District" under my supervision in partial fulfillment of the requirements for the degree of Master of Arts.

Data incorporated in this dissertation are based on her observation and not submitted for any other degree in any other institute.


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This is to certify that **UPAKHA BARUAH** bearing Roll No. 17/MGE/03 is a bona fide student of Fourth Semester of the Course **MA Geography** in the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled **Flood and its impact on land use/ land cover of Disang River** under my guidance in partial fulfilment of the requirement for the Degree of Master of Arts in Geography. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.

(Eahya Al Huda)

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Dr. Eahya al Huda

Asst. Professor

Date 07-06-2019

Certificate

This is to certify that MR Kashmir Lal Debbarma bearing Roll No. 17/MGE/05 and Enrollment No. PG/2017/03063 is a bonafied student of Fourth Semester of the Course M.A. Geography of the Department Of Earth Sciences, University of Science and Technology, Meghalaya. he has carried out the dissertation entitled "Water resource assessment of Manu river Unakoti district Tripura" under my guidance and supervision in partial fulfillment of the requirement of the Degree of Master of Arts in Geography.

Data incorporated in this report are based on his observation and not submitted for other degree in any other institute.

Date: 07-06-2019

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Date: June 08, 2019

Certificate

This is to certify that **MARBIANGLANGKI DHAR** bearing Roll No. 17/MGE/06 and Enrollment No. **PG/2017/03092** is a bonafide student of fourth semester of the course M.A. Geography of the Department of Earth Sciences of University of Science and Technology, Meghalaya. He/She has successfully carried out the dissertation entitled "**Women Empowerment In East Khasi Hills District of Meghalaya: Related to Economic and Political Status**" under my supervision in partial fulfilment of the requirements for the degree of Master of Arts in Geography.

Data incorporated in this dissertation are based on his/her observation and not submitted for any other degree in any other institute.

N. Upadhy
08/06/19
(N. Upadhy)
Project Supervisor

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This is certify that Ms. Mrinalee Basumatary bearing Roll No. 17/MGR/07 and Enrollment No. PG/2017/03103 of 2017-19 is a bonafide student of Fourth semester, pursuing the course of M.A. in Geography, Department of Earth Science, University of Science and Technology, Meghalaya. He has carried out the dissertation entitled "Bamboo Plantation and Production in Debitola, Titaguri, Dotma, Kachugaon and Gossaigaon Block of Kokrajhar District" under my guidance and supervision in partial fulfilment of the requirement of the Degree of Masters of Arts in Geography.

Data incorporated in this report are based on his observation and not submitted for other degree in any other institute.

Nitu Upadhya
4/6/19

Nitu Upadhya

Supervisor

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 Date : June 4, 2019

Certificate

This is to certify that **SUSMITA DEBBARMA** bearing Roll No 17/MGE/08 of batch 2017-19 is a bona fide student of Fourth Semester of the Course M.A. Geography in the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled 'A STUDY ON OCCUPATIONAL HEALTH HAZARDS IN ONE BRICK INDUSTRY IN TRIPURA' under my guidance in partial fulfilment of the requirement for the Degree of Master of Arts in Geography. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.


 (Lalit Saikia)



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 University of Science and Technology Meghalaya



DEPARTMENT OF EARTH SCIENCE

University of Science and Technology, Meghalaya

CERTIFICATE

This is to certify that Ananya Gogoi bearing Roll No. 17/ MGE/ 09 and Registration No. PG/2017/03152 of 2017-2019 is a bonafide student of Fourth Semester of the course M.A Geography of the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled "A Study on Flood Analysis of Lower Bhogdoi Basin" under my guidance and supervision in partial fulfillment of the requirement for the Degree of Master of Arts in Geography.

Data incorporated in this dissertation are based on her field survey, analysis & observation and are not submitted to any other Institute for any degree/diploma to the best of my knowledge.

(Eahya Al Huda)

Assistant Professor

Department of Earth Science

University of Science and Technology

Meghalaya

HOD
Department of Earth Science
University of Science and Technology Meghalaya

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Meghalaya



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Dr. Jnanashree Borah

Email: Janashree@rediffmail.com

Professor

phone :9864026478

Date:

Certificate

This is to certify that Mamata Biswas bearing roll No.17/MGE /10 and Registration No PG/2017/03159 It a bonafide student of fourth student of fourth semester of the course M.A geography of the department of Earth Science, University of science and Technology, Meghalaya .She has carried out the dissertation entitled "Achievement Level of primary Education in Mayong Rural Development Block, Morigaon District" under my guidance and master of Arts in Geography.

Date incorporated in this report are based on her observation and not submitted for other degree in any institute.

Date:

Dr. Jnanashree Borah

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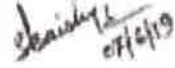
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Certificate

This is to certify that **RUPAM KR. MEDHI** bearing Roll No. 17/MGE/12 is a bona fide student of Fourth Semester of the Course MA Geography in the Department of Earth Science, University of Science and Technology, Meghalaya. He has carried out the dissertation entitled Bank line shifting of Brahmaputra river in Morigaon District of Assam during 1997 and 2007 under my guidance in partial fulfillment of the requirement for the Degree of Master of Arts in Geography. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.


Dr. Swarup Jyoti Baishya
Assistant Professor
Supervisor


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Assistant Professor

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Date : June 3, 2019

Certificate

This is to certify that bearing RollNo. 17/MGE/13 and EnrollmentNo. PG/2017/03262 of 2017-19 is a bona fide student of Fourth Semester of the Course **M.A. Geography** in the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled '**A STUDY ON ROAD ACCIDENT IN PASIGHAT, ARUNACHAL PRADESH**' under my guidance in partial fulfillment of the requirement for the Degree of Master of Arts in Geography. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.

NUP
4/6/19
(Nitu Upadhya)

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Date: 4-06-2019

Certificate

This is to certify that Malin Hansepi bearing Roll No. 17/MGE/15 and Enrollment No. PG/2017/03299 of 2017-19 is a bonafied student of Fourth Semester of the Course M.A. Geography of Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled "Significance of indigenous costumes in culture and economy: A Geographical study of Karbi Tribe, Dokmoka, Karbi Anglong" under my guidance and supervision in partial fulfilment of the requirement of the Degree of Masters of Arts in Geography.

Data incorporated in this report are based on her observation and not submitted for other degree in any other institute.


(P. Borthakur)

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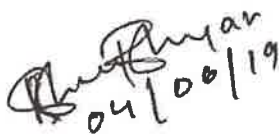
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Date : June 01, 2018

CERTIFICATE

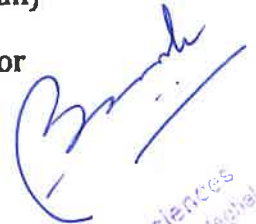
This is to certify that Ms. CHIMPE DEKA bearing Roll No. 17/MGE/16 and Enrollment No. PG/2017/03320 of 2017-2019 is a student of Fourth Semester of the Course M.A. Geography in the Department of Earth Science, University of Science and Technology, Meghalaya. She carried out the dissertation titled "OCCUPATIONAL HEALTH HAZARDS OF BRICK KILN WORKERES (A CASE STUDY OF TELIAGAON, NAGAON)" under my guidance in partial fulfillment of the requirement for the Degree of Master of Arts in Geography. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part of full for the award of any degree or diploma to the best of my knowledge and belief.


04/06/19

(Rajashree Bhuyan)

Assistant Professor

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Date : June 3, 2019

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This is to certify that **ALFI SHAHMIM RAHMAN** bearing Roll no 17/MGE/17 is a bonafide student of Fourth Semester of the Course M.A. Geography in the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled "A Study on Occupational Health Hazards From Jute Industry Nagaon Town, Assam" under my guidance in partial fulfillment of the requirement for the Degree of Master of Arts in Geography. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.


(Lalit Saikia)

Assistant Professor



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NITU UPADHYA
Assistant Professor

Phone no : 9854041887
Date : June 3, 2019

Certificate

This is to certify that **M.S IFTASUM KHUSBOO** bearing Roll No. 17/MGE/18 is a bona fide student of Fourth Semester of the Course **MA GEOGRAPHY** in the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled **A STUDY ON PROBLEM AND PROSPECTS OF WHOLESALE VEGETABLE MARKET BADABAZAR ,NAGAON** under my guidance in partial fulfillment of the requirement for the Degree of Master of GEOGRAPHY. The findings contained in this dissertation are based on her experiments and observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.


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This is to certify that PARCHI MONI BORA bearing Roll No. 17/MGE/19 and Enrollment No. PG/2017/03373 of 2017-19 is a bonafied student of 4th semester of the course M.A. Geography the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled "A Study on the Causes and mitigation measures of Road Accident of Puranigudam, Nagaon, Assam" under my guidance and supervision in partial fulfillment of the requirement of the Degree of Master of Arts in Geography.

As far as my knowledge is concerned, the data incorporated in this report are based on secondary data and not submitted for other degree in any other institute.



Mr. Kitboklang Sun



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This is to certify that Mr. Kamal Kumar Talukdar bearing Roll No. 17/MGE/20 and Enrollment No. PG/2017/03374 is a bonafide student of fourth semester of the course M.A. Geography of the Department Earth Science of University of Science and Technology, Meghalaya. He has successfully carried out the dissertation entitled "CHANGE IN MORPHOLOGY OF WETLAND AND THEIR IMPACT ON LIVELIHOOD OF WETLAND DEPENDENT COMMUNITIES IN NALBARI DISTRICT, ASSAM. A case study in Barkhetri Revenue Circle " under my supervision in partial fulfilment of the requirement for the degree of Masters of Science.

Data incorporated in this dissertation are based on his observation and collection and not submitted for any other degree in any institute.

S. Baishya
07/6/19

Dr. Swarup Jyoti Baishya

Assistant Professor
Supervisor

S. Baishya

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S. Baishya
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University of Science and Technology Meghalaya



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Assistant Professor

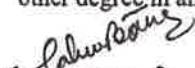
Mobile: +91 9508558080

Date: 04-06-2019

CERTIFICATE

This is to certify that Miss Dulumoni Basumatary bearing Roll No. 17/MGE/22 and Enrollment No. PG/2017/03424 is a bonafide student of Fourth Semester of the Course M.A. in Geography, Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the Dissertation entitled "Musical Instrument used by the Bodo Community: A Study in Mejengpara, Manupara and Amguri villages of Goalpara District, Assam" under my guidance and supervision in partial fulfillment of the requirement of the Degree of Master of Arts in Geography.

Data incorporated in this report are based on his/her observation and not submitted for other degree in any other institute.


(P. Borthakur)

Assistant Professor


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Meghalaya



राष्ट्रीय ग्रामीण विकास एवं पंचायती राज संस्थान

उत्तर पूर्वी क्षेत्रीय केन्द्र

(राष्ट्रीय विकास योजनाएं, भारत सरकार)

एन. आई. आर. डी. सी. आर. के.ए. एन. एन-37, जवाहरनगर, खानापरा, गुवाहाटी-781022. (आर.ए.)

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E-mail (English) E-mail (Assamese) E-mail (Bodo)
Website Website Website

Certificate of Completion Field Work Programme for Students


To Whom It May Concern

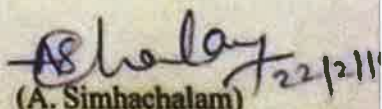
Date: 22nd February, 2019

This is to certify that **Dulumoni Basumatary**, a student of Fourth (4th) Semester M.A. /M.Sc. in Geography, Department of Earth Science, University of Science and Technology, Meghalaya Campus, has undergone Field work programme under the guidance of the unsigned at the National Institute of Rural Development and Panchayati Raj, North Eastern Regional Centre, Guwahati for a period of 21 Days w.e.f. February 02 to February 22, 2019.


During the internship, **Dulumoni Basumatary**, has shown great amount of responsibility, sincerity and a genuine willingness to learn and also the zeal to take on assignments and challenges.

We wish her all the very best for a brighter career.


HOD
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(A. Simhachalam)
Asst. Professor & i/c CGARD,
NIRDPR-NERC

A. Simhachalam
Asst. Professor & i/c CGARD
NIRDPR-NERC, Ghy -22


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Meghalaya



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Email: earthscienceusctm@gmail.com

Certificate

This is to certify that **MANISH KUMAR CHOUDHURY** bearing Roll No. 17/MGE/26 is a bona fide student of Fourth Semester of the Course MA Geography in the Department of Earth Science, University of Science and Technology, Meghalaya. He has carried out the dissertation entitled *Assessment of infrastructure facilities of government and private schools in Kamrup (M)* under my guidance in partial fulfillment of the requirement for the Degree of Master of Arts in Geography. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.

Signature
09/05/19

Dr. Swarnap Jyoti Baishya

Assistant Professor
Supervisor

Signature

HOD

Department of Earth Sciences
University of Science and Technology Meghalaya

Signature

Registrar
University of Science & Technology,
Meghalaya



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Certificate

This is to certify that **SAYEDA PARBEEN RAHMAN** bearing Roll No. 17/MGE/27 is a bona fide student of Fourth Semester of the Course **MA Geography** in the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled **Study of erosion and deposition trend at a part of Dikhow river** under my guidance in partial fulfilment of the requirement for the Degree of Master of Arts in Geography. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.

Registrar
University of Science & Technology,
Meghalaya

Department of Earth Sciences
University of Science and Technology Meghalaya



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Date : June 3, 2019

Certificate

Certified that RUBU MAMUNG bearing Roll No 17/MGE/ 28, Enrollment No. PG/2017/03500 of 2017-19 is a bona fide student of Fourth Semester of the Course **M.A. Geography** in the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled 'A STUDY ON LANDSLIDE HAZARD IN ROAD CONNECTIVITY BETWEEN NAHARLAGUN TO ITANAGAR' under my guidance in partial fulfillment of the requirement for the Degree of Master of Arts in Geography. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.


(LalitSaikia)




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Certificate

This is to certify that **Abhilasha Barman** bearing Roll No. 17/MGE/29 is a bonafide student of Fourth Semester of the Course M.A. Geography in the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled 'Causes and impact of flood a case study in Baghbar Barpata district under my guidance in partial fulfillment of the requirement for the Degree of Master of Arts in Geography. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.


(Kitboklang Sun)


HOD
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Department of Earth Science

UNIVERSITY OF SCIENCE AND TECHNOLOGY, MEGHALAYA

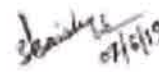
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Certificate

This is to certify that **NITUMONI DEORI** bearing Roll No. 17/MGE/32 is a bona fide student of Fourth Semester of the Course MA Geography in the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled *A study on the growth in urbanization and its impact using remote sensing and GIS* under my guidance in partial fulfillment of the requirement for the Degree of Master of Arts in Geography. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.


Dr. Swarup Jyoti Baisya
Assistant Professor
Supervisor


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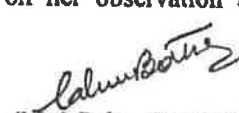
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Date: 4th JUNE, 2019

CERTIFICATE

This is to certify that Ms. Anusree Biswas bearing Roll No.17/MGE/35 and Registration No. PG/2017/03633 is a benefited student of fourth semester of the course M. SC. Geography of Department of Earth Science of University of Science and Technology, Meghalaya. She has successfully carried out the dissertation entitled "Cultural Interconnection between Bengali and Tripuri tribe in Belonia, South Tripura district", under my supervision in partial fulfillment of the requirements for the degree of M.SC. Geography.

Data incorporated in this dissertation are based on her observation and not submitted for any other degree in any other institute.


(Ms. Palme Borthakur)

Project Supervisor

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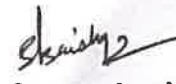
Date: 07/6/19

Certificate

This is to certify that Deep Jyoti Kumar bearing Roll No. 17/MGE/37 and Enrollment No. PG/2017/03738 is a bonafied student of Fourth Semester of the Course M.Sc.Geography of the Department Of Earth Sciences, University of Science and Technology, Meghalaya. He has carried out the dissertation entitled "A GIS BASED STUDY OF DIFFERENT CRIMES IN RANGIA SUB DICISION " under my guidance and supervision in partial fulfillment of the requirement of the Degree of Master of Arts in Geography.

Data incorporated in this report are based on his observation and not submitted for other degree in any other institute.

Date: 07/6/19


Dr. Swarup Jyoti Baishya


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Dr. Eahya Al Huda
Head of Department


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Date : June 4, 2019

Certificate

This is to certify that **MINTUMONI SARMA** bearing Roll No. 17 /MGE/38 is a bonafide student of Fourth Semester of the Course **M.Sc.Geography** in the Department of Earth Science, University of Science and Technology, Meghalaya. He has carried out the dissertation entitled '**A Study on Traffic Congestion in Guwahati**' under my guidance in partial fulfilment of the requirement for the Degree of Master of Science in Geography. The findings contained in this dissertation are based on his observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.


(Eahya Al Huda)
Supervisor


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Date : June 3, 2019

Certificate

This is to certify that **NAYANITA MEDHI**, bearing Roll No.17/MGE/39, Enrol No PG/2017/03756 of 2017-19 is a bonafide student of Fourth Semester of the Course **M.A.Geography** in the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled '**A Study on Rainfall Trends in Guwahati (M)**' under my guidance in partial fulfillment of the requirement for the Degree of Master of Arts in Geography. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.


(Lalit Saikia)


HOD
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University of Science and Technology Meghalaya


Registrar
University of Science & Technology,
Meghalaya



DEPARTMENT OF EARTH SCIENCE

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Date: 7/6/2019

CERTIFICATE

This is to certify that **Mr. Okong Ratan** bearing RollNo.17/MGE/41 and Enrollment No. **PG/2017/03774** is a bonafide student of Fourth Semester of the course M.A. Geography, University of Science and Technology, Meghalaya. He has successfully carried out the dissertation entitled "**POLLUTION AND CONSERVATION OF BARAPANI (DIKRONG) RIVER IN C-SECTOR, NAHARLAGUN, ARUNACHAL PRADESH**" under my supervision in partial fulfillment of the requirement for the Degree of Master of Arts.

Data incorporated in this dissertation are based on his field survey, analysis & observation and not submitted to any other institute for any degree/diploma to the best of my knowledge.

Assistant Professor
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**OFFICE OF THE ASSISTANT DIRECTOR
TOWN & COUNTRY PLANNING, ASSAM
DISTRICT OFFICE: CHIRANG**

No. CDO/MISC/9/2017/333

Dated, Kajalgaon 2nd May, 2019

CERTIFICATE OF COMPLETION

FIELD WORK PROGRAMME FOR STUDENTS



TO WHOM IT MAY CONCERN

This is to certify **Okong Ratan**, a student of Fourth (4th) semester M.A./M.SC. in Geography, Department of Earth Science, **University of Science and Technology, Meghalaya** Campus has undergone Field work programme under the guidance of the undersigned at the office of Town and Country Planning, District Office- Chirang, Kajalgaon for a period of 21 Days w.e.f February 01 to February 21, 2019.

During the internship, **Okong Ratan** has shown great amount of responsibility, sincerity and a genuine willingness to learn and also zeal to take on assignments and challenges.

I wish him all the very best for a brighter career.

Neerjyoti Das
(NEERJYOTI DAS) 02/05/19
Assistant Director,
Town and Country Planning
Dist Office Chirang

Department of Earth Sciences
University of Science and Technology Meghalaya

Registrar
University of Science & Technology,
Meghalaya



Department of Earth Science

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Email:

Janashri Borah
Assistant Professor

Date: June 8, 2019

Certificate

This is certify that Mr. Gautom Handique bearing Roll No. 17/MGE/42 and Registration No. PG/17/03775 is a bonafied student of 4th semester of the course M.A. Geography of the Department of Earth Science of University of Science and Technology, Meghalaya. He Has successfully carried out the dissertation entitled "**THE STATUS OF PRIMARY EDUCATION OF TEA TRIBE CHILDREN IN BISWANATH DISTRICT.A Case Study of DIPLONGA TEA GARDEN(Sootea rural development Block)**" under my supervision in partial fulfillment of the requirements for degree of Master of Science.

Data incorporated in this dissertation are based on her observation are not submitted for any other degree in any other institute.

for

(Janashri Borah)
Supervisor

HOD, Earth Sciences
University Of Science and Technology
Meghalaya.

HOD

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University of Science and Technology Meghalaya

Registrar
University of Science & Technology,
Meghalaya

**GOVERNMENT OF ASSAM
OFFICE OF THE DEPUTY DIRECTOR :TOWN & COUNTRY PLANNING
DISTRICT OFFICE :: SONITPUR::TEZPUR**

No TUO/ES/76/86/PV/2011/

Dated Tezpur the 25/02/2019

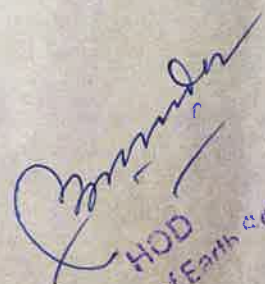
CERTIFICATE OF PROFESSIONAL TRAINING

This is to certified that Shri Gautam Handique a student of University of Science & Technology , Meghalaya has completed successfully his Internship program 2019 w.e.f 4/2/2019 to 24/2/2019 in this office.

During his internship he was engaged in the various works of preparation of Master Plan and PMAY(U) works . He has done his works successfully upto our satisfaction .

He is very good and sincere in his work . I wish him success in future.


25/02/19
Deputy Director
Town & Country Planning
Sonitpur, Tezpur
Deputy Director
Town & Country Planning
Sonitpur, District Office
Tezpur, Assam 


HOD
Department of Earth Sciences
University of Sci.


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Unveiling Excellence

**DEPARTMENT OF EARTH SCIENCE, UNIVERSITY OF
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Head of the Department

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Date:

CERTIFICATE

This is to certify that **Lalthanpui Ngamlai** bearing Roll No.17/MGE/43 and Registration No.PG/17/03781 of 2017-2019 is a bonafied student of 4th semester of the course **M.Sc in Geography of the Department of Earth Science**, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled "**Hydro-meteorological Characteristics of Jatinga River**" under my guidance and supervision in partial fulfillment of the requirement of the degree of Master of Science in Geography.

Data incorporated in this report are based on her observation and not submitted for other degree in any other institute.


(Eahya Al Huda)


Registrar
University of Science & Technology,
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HOD
Department of Earth Sciences
University of Science and Technology Meghalaya



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Nitu Upadhaya

Assistant Professor

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Date: 04/06/19

CERTIFICATE

This is certify that Salma Nasrin bearing Roll No 17/MGE/45 and Enrollment No.PG/2017/03822 is a student of fourth semester of the course M.A Geography of Department of Earth Science of University of Science and Technology Meghalaya. She has successfully carried out the dissertation entitled "A Study on Government Sericulture Farm, Mangaldai Of Pachim Mangaldai Block" under my supervision in partial fulfilment of the requirements for the degree of M.A Geography.

Data incorporated in this dissertation are based on her observation and not submitted for any other degree in any other institute.


4/6/19
(Nitu Upadhaya)


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No. MTP/EST/training/191/2017/145

Dated Mangaldai the 14th February, 2019

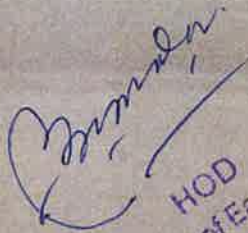
Certificate of completion of Internship Programme for student

To whom so ever it may concern

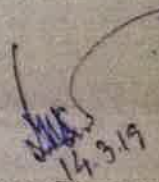
This is to certify that Miss Salma Nasrin, a student of 4th Semester, M.A. in Geography, Department of Earth Science, University of Science and Technology, Meghalaya, has undergone Internship Programme under the guidance of the undersigned at the Office of the Deputy Director, Town & Country Planning, Mangaldai for a period of 21 (twenty one) days w.e.f. 4th February, 2019 to 25th February, 2019 vide Director, T&CP, Dispur letter No. TCP/EST/17/2013/162, dtd. 02.02.2019.

During the internship, Miss Salma Nasrin has undergone studies on master plan and its different standards and practices along with how to do house hold survey in an broader scale. She has shown sincerity and willingness to learn and also the zeal to take on assignments and challenges. We wish her all the very best for her brighter career.

Thank you.



HOD
Department of Earth Sciences
University of Science and Technology Meghalaya



Deputy Director
Town & Country Planning
Darrang, Mangaldai.



Registrar
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UNIVERSITY OF SCIENCE AND TECHNOLOGY, MEGHALAYA

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Dr. Swarup Jyoti Baishya

Asst. Professor

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Date 07/6/19

Certificate

This is to certify that *Subrata Tripura* bearing Roll No. 17/MGE/46 and Enrollment No. PG/2017/03845 is a bonafied student of Fourth Semester of the Course *M. A Geography* of the Department Of Earth Sciences, University of Science and Technology, Meghalaya. He has carried out the dissertation entitled "*AN APPRAISAL OF KHECHHEOPALRI LAKE IN RELATION TO IMPACT OF TOURISM*" under my guidance and supervision in partial fulfillment of the requirement of the Degree of Master of Arts in Geography.

Data incorporated in this report are based on his observation and not submitted for other degree in any other institute.

Date: 07/6/19

Dr. Swarup Jyoti Baishya

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University of Science & Technology,
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Assistant Professor

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Date : June 3, 2019

Certificate

Certified that **DIPSIKHA PAYENG**, Roll No 17/MGE/47, EnrollmentNo. PG/2017/03863 of 2017-19 is a bonafide student of Fourth Semester of the Course **M.A.Geography** in the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled '**Solid Waste Management in Sivasagar Town, Assam**' under my guidance in partial fulfillment of the requirement for the Degree of Master of Arts in Geography. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.

(LalitSaikia)

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Dr. Swarup Jyoti Baishya
Asst. Professor

Email: sbaishya08@gmail.com

Date: 04/06/2019

Certificate

This is to certify that Miss PRITY SARMA BORUAH bearing Roll No. 17/MGE/48 and Enrollment no:- PG/17/03877 .is a bonafied student of Fourth Semester of the Course M.SC.Geography of the Department Of Earth Sciences, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled "STRUCTURAL ANALYSIS OF EXISTING ROAD NETWORK OF NAGAON TOWN" under my guidance and supervision in partial fulfillment of the requirement of the Degree of Master of Science in Geography.

Data incorporated in this report are based on her observation and not submitted for other degree in any other institute.

Date: 04/06/2019

Sbaishya
04/6/19
Dr. Swarup Jyoti Baishya

[Signature]
Registrar
University of Science & Technology,
Meghalaya

[Signature]
HOD
Department of Earth Sciences
University of Science and Technology Meghalaya



DEPARTMENT OF EARTH SCIENCE

CERTIFICATE

This is to certify that Ms. Vishakha Borthakur bearing Roll No. 17/MGE/49 and Enrollment No. PG/2017/03891 is a bona fide student of fourth semester of the course M.A Geography of the Department of Earth Science of University of Science and Technology, Meghalaya. She has successfully carried out the dissertation entitled "Impact of flood on livelihood of people in lower reaches of Dikhow River" under my supervision in partial fulfilment of the requirements for the degree of Master of Arts.

Data incorporated in this dissertation are based on her observation and not submitted, for any other degree in any other i

UNIVERSITY OF SCIENCE AND TECHNOLOGY, MEGHALAYA

(Techno-City, Baridua, 9th Mile, Ri-Bhoi, Megh

(Dr. Eahya Al Huda)

Assistant Professor
Dr. Eahya Al Huda
Assistant Professor
Department of Earth Science
University of Science and Technology
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Department of Earth Science

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Certificate

This is to certify that **MRINAL HAZARIKA** bearing Roll No. 17/MGE/50 is a bona fide student of Fourth Semester of the Course MA Geography in the Department of Earth Science, University of Science and Technology, Meghalaya. He has carried out the dissertation entitled *Sugarcane and jaggery production at Bakaliaghat region (Karbi Anglong Dist.) and associated problems and prospects* under my guidance in partial fulfillment of the requirement for the Degree of Master of Arts in Geography. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.


Nitu Upadhyaya
Supervisor


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Date:

CERTIFICATE

This is to certify that **Mr. Surajit Debbarma** bearing RollNo.17/MGE/51 and Enrollment No. PG/2017/03909 is a bonafide student of Fourth Semester of the course M.A. Geography, University of Science and Technology, Meghalaya. He has successfully carried out the dissertation entitled **"ASSESSMENT OF AGRICULTURAL PRACTICES IN DHALAI DISTRICT OF TRIPURA WITH THE HELP OF GEO-INFORMATICS"** under my supervision in partial fulfillment of the requirement for the Degree of Master of Arts.


Data incorporated in this dissertation are based on his field survey, analysis & observation and not submitted to any other institute for any degree/diploma to the best of my knowledge.


ii



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6/6/19



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Dr. Eahya Al Huda
Head of department

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Date: June 4, 2019

PRASANTA HAJONG

Certificate

This is to certify that **PRASANTA HAJONG** bearing Roll No. 17/ MGE/52 is a confide student of Fourth Semester of the Course **M.A.Geography** in the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled '**LAND USE LAND COVER CHANGE IN GOALPARA DISTRICT DURING 1988-2018**' under my guidance in partial fulfillment of the requirement for the Degree of Master of Arts in Geography. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.


(D. Eahya Al Huda)


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Assistant Professor

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Date :

Certificate

This is certify that Mr.Maigonglum Chiba bearing Roll No. 17/MGR/53 and Registration No. PG/2017/03929 of 2017-19 is a bonafide student of Fourth semester, pursuing the course of M.A. in Geography, Department of Earth Science, University of Science and Technology, Meghalaya. He has carried out the dissertation entitled "Socio-Cultural Study of Mishmi tribe of Lohit District" under my guidance and supervision in partial fulfilment of the requirement of the Degree of Masters of Arts in Geography.

Data incorporated in this report are based on his observation and not submitted for other degree in any other institute.


(P. Borthakur)



Department of Earth Sciences
University of Science and Technology Meghalaya


Registrar
University of Science & Technology,
Meghalaya



Department of Earth Science

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Email: earthscienceustm@gmail.com

Date : 7th June 2019

Certificate

This is to certify that Miss Gitanjali Devi, bearing Roll No 17/MGE/54 and Enrollment No: PG/2017/03949 of the Department Of Earth Science, University Of Science And Technology Meghalaya. She has carried out the dissertation entitled "Flash Flood: A Case Study On Panjabari, Guwahati "under my guidance and supervision in partial fulfillment of the requirement of Degree of Master of Arts in Geography.

Data incorporated in this report are based on her observation and not submitted for any other degree in other institute.

 07/06/19

Ms. Rajashree Bhuyan
Assistant Professor
Department of Earth Science
University of Science and Technology, Meghalaya.



HOOD
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University of Science and Technology Meghalaya


Registrar
University of Science & Technology,
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Date: 4/6/2019

CERTIFICATE

This is certify that Miss Julu Mudoï bearing Roll No 17/MGE/55 and Enrollment No. PG/2017/03962 is a benefited student of 4th semester of the course M.A Geography of Department of Earth Science of University of Science and Technology Meghalaya. She has successfully carried out the dissertation entitled "A Study of Vaishnav Religious Practice in Morikolong Nagaon", under my supervision in partial fulfilment of the requirements for the degree of M.A Geography.

Data incorporated in this dissertation are based on her observation and not submitted for any other degree in any other institute.


(Mys. Palme Borthakur)

Project Supervisor


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University of Science & Technology,
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Department of Earth Sciences
University of Science and Technology Meghalaya



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Mr. Kitboklang Sun
Asst. Professor

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Date 4/6/2019

Certificate

This is to certify that **PURABI BORAH** bearing Roll No. 17/MGE/56 and Enrollment No-PG/2017/03977 is a bonafied student of Fourth Semester of the Course M.A. Geography of the Department Of Earth Sciences, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled "Environmental Impact of Deforestation, A Case Study of Lanka Area, Hojai District, Assam" under my guidance and supervision in partial fulfillment of the requirement of the Degree of Master of Arts in Geography.

Data incorporated in this report are based on her observation and not submitted for other degree in any other institute.

Date: 4/6/2019

Mr. Kitboklang Sun

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Registrar
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Meghalaya



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Dr. Eshya Al Huda
Head of department

Certificate

This is to certify that bearing Roll No. 17/MGE/57 and EnrollmentNo. PG/2017/03980 of 2017-19 is a bonafide student of Fourth Semester of the Course **M.A.Geography** in the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled '**IMPACT OF LOCALLY MADE WINE IN SOCIO-ECONOMIC LIFE OF BODO COMMUNITY IN DUDHNOI AREA,GOALPARA DISTRICT**' under my guidance in partial fulfillment of the requirement for the Degree of Master of Arts in Geography. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.

(Janashri Borah)

HOD
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Meghalaya



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Date : June 3, 2019

Certificate

Certified that **SANGITA ROY**, Roll No. 17/MGE/58, EnrollmentNo. PG/2017/03988 of 2017-19 is a bonafide student of Fourth Semester of the Course **M.A.Geography** in the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled '**A Study on Landslide of Gangtok Town, East Sikkim**' under my guidance in partial fulfillment of the requirement for the Degree of Master of Arts in Geography. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.


(LalitSaikia)


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Date: June 08, 2019

Certificate

This is to certify that Madhurja Saikia bearing Roll No. 17/MGE/59 and Enrollment No. PG/2017/4001 is a bonafied student of fourth semester of the course M.A. Geography of the Department of Earth Sciences of University of Science and Technology, Meghalaya. He/She has successfully carried out the dissertation entitled "*Land Use Land Cover Change in Rajiv Gandhi Orang National park during 1998 to 2018*" under my supervision in partial fulfillment of the requirements for the degree of Master of Arts in Geography.

Data incorporated in this dissertation are based on his/her observation and not submitted for any other degree in any other institute.


(S. Changmai)
Project Supervisor



HOD
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University of Science & Technology,
Meghalaya



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Certificate

This is to certify that **Nightya R. Marak** bearing Roll No. 17/MGE/60 and Registration No. PG/2017/04010 of 2017-19 is a bonafied student of Fourth Semester of the Course M.A. in Geography of the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled "Use of Renewable Energy Resources in Rural Domestic Sector in Ronjeng Dambo Block, East Garo Hills Meghalaya" under my guidance and supervision in partial fulfillment of the requirement of the Degree of Master of Arts in Geography.

Data incorporated in this report are based on his/her observation and not submitted for other degree in any other institute.

(J. Borah)


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Registrar
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राष्ट्रीय ग्रामीण विकास एवं पंचायती राज संस्थान

उत्तर पूर्वी क्षेत्रीय केन्द्र

(ग्रामीण विकास मंत्रालय, भारत सरकार)

एन. आई. आर. डी. पी. आर. जे. एन. एन. एन-37, जवाहरनगर, खानापार, गुवाहाटी-781022, (भारत)

NATIONAL INSTITUTE OF RURAL DEVELOPMENT & PANCHAYATI RAJ

North Eastern Regional Centre

(Ministry of Rural Development, Govt. of India)

NIROPR LANE, N.H-37, Jawaharnagar, Khanapara, Guwahati- 781022, (INDIA)

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E-mail (NIRDPR) nirdprnrd@gmail.com
nrdgty@gmail.com
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www.nirdprnrd.org.in

Certificate of Completion Field Work Programme for Students


To Whom It May Concern

Date: 21st February, 2019

This is to certify that **Nightya R. Marak**, a student of Fourth (4th) Semester M.A. /M.Sc. in Geography, Department of Earth Science, **University of Science and Technology, Meghalaya Campus**, has undergone Field work programme under the guidance of the unsigned at the National Institute of Rural Development and Panchayati Raj, North Eastern Regional Centre, Guwahati for a period of 21 Days w.e.f. February 01 to February 21, 2019.

During the internship, **Nightya R. Marak**, has shown great amount of responsibility, sincerity and a genuine willingness to learn and also the zeal to take on assignments and challenges.

We wish her all the very best for a brighter career.


HOD
Department of Earth Sciences
University of Science and Technology Meghalaya


(A. Simhachalam)
Asst. Professor & Vc CGARD,
NIRDPR-NERC

A. Simhachalam
Asst. Professor & Vc CGARD
NIRDPR-NERC, Ghy -22


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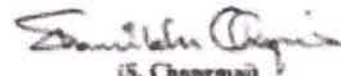
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Certificate

This is to certify that **DARIKER LATO** bearing Roll No. 17/MGE/61 is a bona fide student of Fourth Semester of the Course MA Geography in the Department of Earth Science, University of Science and Technology, Meghalaya. He has carried out the dissertation entitled *Study on cement factories of East Jaintia hills district of Meghalaya and its impact on nearby communities* under my guidance in partial fulfillment of the requirement for the Degree of Master of Arts in Geography. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.


HOD

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University of Science and Technology Meghalaya


(S. Chongmai)
Project Supervisor



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Certificate

This is to certify that HIMADRI MAHANTA bearing Roll No. 17/MGE/62 is a bona fide student of Fourth Semester of the Course MA Geography in the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled *Occupational Hazards among tea labourers in tea estates of Nagaon, Assam* under my guidance in partial fulfilment of the requirement for the Degree of Master of Arts in Geography. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.

(Lait Saikia)

Supervisor
Assistant Professor

Date: 06-06-2019

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Assistant Professor

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Date : June 4, 2019

Certificate

This is to certify that bearing Roll No. 17/MGE/63 and EnrollmentNo. PG/2017/04043 of 2017-19 is a confide student of Fourth Semester of the Course **M.A.Geography** in the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled '**River Bank line erosion of Krishnai River, A part of Goalpara District**' under my guidance in partial fulfillment of the requirement for the Degree of Master of Arts in Geography. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.


(Dr. Eahya Al Huda)


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Assistant Professor

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Certificate

Certified that **MANJIRA BORDOLOI**, Roll no 17/MGE/64 & Enrollment No. PG/2017/04049 of 2017-19 is a bona fide student of Fourth Semester of the Course **M.A. Geography** in the Department of Earth Science, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled 'A STUDY ON HEALTH IMPACT OF HEAVY SCHOOL BAGS ON CHILDREAN IN NORTH GUWAHATI, A PART OF KAMRUP METROPOLITAN DISTRICT' under my guidance in partial fulfillment of the requirement for the Degree of Master of Arts in Geography. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.


(Lalit Saikia)


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Head of department
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Date: June 08, 2019

Certificate

This is to certify that **Silonish A Sangma** bearing Roll No. **17/MGE/66** and Enrolment No. **PG/2017/04051** is a bonafied student of fourth semester of the course **M.A. Geography** of the Department of Earth Sciences of University of Science and Technology, Meghalaya. She/he has successfully carried out the dissertation entitled **"Land Use Land Cover Change Using Remote Sensing And GIS: A Case Study Of South West Khasi Hills District, Meghalaya"** under my supervision in partial fulfilment of the requirements for the degree of Master of Arts in Geography.

Data incorporated in this dissertation are based on his/her observation and not submitted for any other degree in any other institute.



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(Eahya Al Huda)

Head of department



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Assistant Professor

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Date: 03/06/19

CERTIFICATE

This is to certify that Jahangir Alam Miah, bearing Roll no. 17/MGE/67 and Enrollment No. PG/2017/03587 of 2017-19, is a bonafide student in fourth semester of the course M.A. in Geography, Department of Earth Science, University of Science and Technology, Meghalaya. He has successfully carried out the dissertation entitled "A STUDY ON ERGONOMIC HAZARDS AMONG EMPLOYEES OF A FEW EDUCATIONAL INSTITUTIONS" under my supervision for partial fulfillment of the requirement for the degree of Master of Arts in Geography.

The findings contained in this dissertation are based on his observation and not submitted elsewhere in for any other degree or diploma to the best of my knowledge.

(Dr. Lalit Saikia)

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Certificate

This is to certify that **NABAJYOTI KALITA** bearing Roll No. 17/MGE/68 is a bona fide student of Fourth Semester of the Course MA Geography in the Department of Earth Science, University of Science and Technology, Meghalaya. He has carried out the dissertation entitled *Bankline shifting of Pagladiya river* under my guidance in partial fulfillment of the requirement for the Degree of Master of Arts in Geography. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.

(Dr. Narayan Chetry)

Supervisor

Professor

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Department of Earth Science

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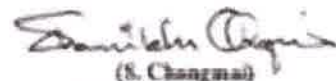
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Certificate

This is to certify that **SUBHASHIS RABHA** bearing Roll No. 17/MGE/69 is a bona fide student of Fourth Semester of the Course MA Geography in the Department of Earth Science, University of Science and Technology, Meghalaya. He has carried out the dissertation entitled *Anthropogenic Impact and assessment of change in Chandubi lake from 1998 to 2018* under my guidance in partial fulfillment of the requirement for the Degree of Master of Arts in Geography. The findings contained in this dissertation are based on her observations and not submitted elsewhere in part or full for the award of any degree or diploma to the best of my knowledge and belief.


(S. Changmai)
Project Supervisor



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Date: 07/6/19

Certificate

This is to certify that **PRIYANKA SINGH** bearing Roll No. **17/MGE/71** and Enrollment No. **PG/2017/04106** is a bonafied student of Fourth Semester of the Course **M.A. Geography** of the Department Of Earth Sciences, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled **"SOLID WASTE MANAGEMENT IN GUWAHATI CITY BY USING REMOTE SENSING AND GIS"** under my guidance and supervision in partial fulfillment of the requirement of the Degree of Master of Arts in Geography.

Data incorporated in this report are based on her observation and not submitted for other degree in any other institute.

Date: 07/6/19

Dr. Swarup Jyoti Baishya

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Shamikhu Changmai

Assistant Professor

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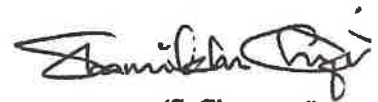
Date: June 08, 2019

Certificate

This is to certify that **Bhaskar Jyoti Buragohain** bearing Roll No. 17/MGE/72 and Enrollment No. PG/2017/4118 is a bonafied student of fourth semester of the course M.A. Geography of the Department of Earth Sciences of University of Science and Technology, Meghalaya. He/She has successfully carried out the dissertation entitled "**Land Cover Change in Kaziranga National Park during 1998 and 2018**" under my supervision in partial fulfilment of the requirements for the degree of Master of Science in Environmental Science.

Data incorporated in this dissertation are based on his/her observation and not submitted for any other degree in any other institute.


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Date 07/6/19

Certificate

This is to certify that Miss Bindia Debbarma bearing Roll No. 17/MGE/73 and Enrollment No. PG/2017/04146 is a bonafied student of Fourth Semester of the Course M.A. Geography of the Department Of Earth Sciences, University of Science and Technology, Meghalaya. She has carried out the dissertation entitled "URBAN EXPANSION IN AGARTALA CITY: A GIS BASED STUDY" under my guidance and supervision in partial fulfillment of the requirement of the Degree of Master of Arts in Geography.

Data incorporated in this report are based on her observation and not submitted for other degree in any other institute.

Date: 07/6/19

Sbaishya

Dr. Swarup Jyoti Baishya

Bindia
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