

ST ANTHONY'S COLLEGE

(A Don Bosco Institution)

SHILLONG 793 001

MEGHALAYA - INDIA

NAAC Re-Accredited with 'A'

College with Potential for Excellence (awarded by UGC)

Metric 1.3.3

Supporting Documents

MCA

TABLE OF CONTENTS

Preamble	3
Course Structure for MCA.....	5

First Semester

101: Digital Logic Design	6
102: Programming & Problem Solving through C.....	8
103: Organizational Behaviour.....	10
104: Accounting And Financial Management	12
105: Discrete Mathematics and Probability Theory	14

Second Semester

201: Theory Of Computation.....	16
202: Data Structures Using C++	18
203: Object Oriented Programming and Design	20
204: Computer Graphics.....	22
205: Computer Organization and Architecture	25

Third Semester

301: Database Management System - I	27
302: Data Communications & Networks - I.....	29
303: Operating System (Theory).....	31
303: Operating System (Practical).....	33
304: Design and Analysis of Algorithms	35
305: GUI Programming using VB.NET	37

Fourth Semester

401: Software Engineering.....	40
402: Data Communications & Networks - II & Network Programming Using Linux (Theory).....	43
402: Data Communications & Networks - II & Network Programming Using Linux (Practical) ...	45
403: Oracle (Theory).....	47
403: Oracle (Practical)	49
404: Database Management System - II	51
405: Internet Technology and Applications (Theory).....	53
405: Internet Technology and Applications (Practical)	55

Fifth Semester

501: Compiler Design.....	57
502: Programming Through Java	59
503: System Programming	62
505: Minor Project.....	64

Sixth Semester

601: Major Project.....	65
-------------------------	----

Audit Course

Audit Course: Communication Skills.....	66
Audit Course: Ethics.....	67
Audit Course: Entrepreneurship.....	68

Elective I

406.1: Operations Research	69
406.2: Microprocessors and Their Interfacing.....	71
406.3: Computer Oriented Numerical Methods	73
406.4: Advanced Linux Programming	75
406.5: Artificial Intelligence	78
406.6: Network Security	80
406.7: Digital Image Processing	82

Elective II

504.1: Simulation and Modeling.....	85
504.2: Parallel and Distributed Processing.....	88
504.3: Multimedia Technology and Applications.....	91
504.4: Enterprise Resource Planning	93
504.5: E-Commerce	95
504.6: Natural Language Processing.....	97
504.7: Data Mining	100
504.8: Embedded and Real Time Systems	104

Appendix	106
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PREAMBLE

This three years Master of Computer Applications (MCA) course aims to prepare candidates for the IT industry. It will provide the necessary theoretical foundation and the skills to make the successful candidates proficient in software development, paving the way for self-employment. Core focus of the course is on Database, Application Programming, System Level Programming and Network and Internet Technologies. Adequate emphasis is given for the Open Source Software platform and emerging technologies. The need for continuity in the electives offered in the fourth and fifth semesters, leading to desired specialisation, has been given due attention. The Audit courses included in the syllabus, one per year, would give the candidates soft skills necessary for the employment market.

Eligibility

This course is open to graduates of Arts, Science and Commerce streams. It does not presuppose that the applicant has had prior exposure to Computer Science. However, a good academic record and an aptitude for analytical thinking would be an essential requirement. The candidate should have passed mathematics or equivalent at the Plus Two or Under Graduate level. Admission will be on the basis of the marks secured at the qualifying examination (50% weightage) and an entrance test (50% weightage). Candidates having passed Computer Science or Computer Applications Honours at the degree level will have the additional benefit of 5% of their Honours marks.

Duration

The Duration of the course is three academic years consisting of six semesters. Each semester should have a minimum of 14 teaching weeks.

Examination

This professional course is based on the credit system of marking.. For theory papers, one credit is assigned for every one hour of class per week. For practical papers, one credit is assigned for every two hours of class per week.

The question papers of the external examination will follow the general guidelines below. The examination of the theory papers having 3 or more credits will be of 3 hours duration and will have a maximum of 75 marks. Other theory examinations will be of 2 hours duration and have a maximum of 50 marks. Examinations of the Practical papers of 2 or more credits will have duration of 3 hours and will have a maximum of 75 marks. Other practical examinations will have duration of 2 hours and a maximum of 40 marks. However, the marks scored will be converted to grades according to the scheme given below.

Marks Obtained (%)	Grade	Grade Points
90 and above	O	10
80 to 89	A+	9
70 to 79	A	8
60 to 69	B	7
50 to 59	C	6
40 to 49	D	5
Below 40	F (Fail)	
Absent	AB	

A student has to complete at least 140 credits for the award of the Degree

Calculation of SGPA and CGPA and Conversion of CGPA to percentage

From the grade obtained by a student in each paper, the SGPA (Semester Grade Point Average) and CGPA (Cumulative Grade Point Average) will be calculated.

$$SGPA \equiv \frac{\sum_{i=1}^n GP_i \times NC_i}{\sum_{i=1}^n NC_i}$$

GP_i = Grade Points earned in the i^{th} paper
 NC_i = Number of Credits for the i^{th} paper
 n = Number of papers in the semester

$$CGPA \equiv \frac{\sum_{i=1}^n SGPA_i \times NSC_i}{\sum_{i=1}^n NSC_i}$$

$SGPA_i$ = Semester Grade Point Average of the i^{th} semester
 NSC_i = Number of Credits in the i^{th} semester
 n = Number of semesters

$$\text{Percentage} = CGPA \times 10 - 5$$

Requirements for Passing

For all subjects the passing requirement shall be that the candidate secures minimum 40 percent (Grade D) in the Internal Assessment as well as in the Semester Examinations. Only the candidates passing in Internal Assessment may be allowed to appear for the Semester Examination.

Classification of Successful Candidates

The successful candidates will be given marksheets that will contain the grades they have scored in each paper, as well as the SGPA and CGPA.

Candidates shall have to pass all the Papers within a period of 5 years from the date of admission to the First Semester to qualify for the award of the Master's Degree.

Course Structure for MCA					
Code	Paper	Credits			Hours per Week
		Theory/Tutorial	Practical/Assignment	Total	
SEMESTER 1: 23 Credits					
101	Digital Logic Design	4	-	4	4
102	Programming & Problem Solving through C	4	2	6	8
103	Organisational Behaviour	4	-	4	4
104	Accounting and Financial Management	4	-	4	4
105	Discrete Mathematics and Probability Theory	5	-	5	5
SEMESTER 2: 25 Credits					
201	Theory of Computation	3	-	3	3
202	Data Structures Using C ++	4	2	6	8
203	Object Oriented Programming and Design	4	2	6	8
204	Computer Graphics	3	2	5	7
205	Computer Organisation and Architecture	5	-	5	5
SEMESTER 3: 25 Credits					
301	Database Management System - I	4	-	4	4
302	Data Communication and Networks – I	4	-	4	4
303	Operating System	4	2	6	8
304	Design and Analysis of Algorithms	4	1	5	6
305	GUI Programming Using VB.NET	4	2	6	8
SEMESTER 4: 26 Credits					
401	Software Engineering	4	-	4	4
402	Data Communication and Networks – II & Network Programming using Linux	4	2	6	8
403	Oracle	1	3	4	7
404	Database Management System - II	4	-	4	4
405	Internet Technology and Applications	1	3	4	7
406	**Elective I			4	4
SEMESTER 5: 26 Credits					
501	Compiler Design	3	2	5	7
502	Programming Through Java	4	2	6	8
503	System Programming	4	2	6	8
504	***Elective II			5	5
505	Minor Project	-	4	4	8
SEMESTER 6: 15 Credits					
601	Major Project	-	15	15	30
Audit Course					
	Communication Skills	1 st Year			
	Ethics	2 nd Year			
	Entrepreneurship	3 rd Year			
** Elective I					
406.1	Operations Research	3	2	5	7
406.2	Microprocessors and Their Interfacing	5	-	5	5
406.3	Computer Oriented Numerical Methods	4	-	4	4
406.4	Advanced Linux Programming	3	2	5	7
406.5	Artificial Intelligence	4	-	4	4
406.6	Network Security	4	-	4	4
406.7	Digital Image Processing	4	2	6	8
*** Elective II					
504.1	Simulation and Modeling	3	2	5	7
504.2	Parallel and Distributed Processing	4	2	6	8
504.3	Multimedia Technology and Applications	3	2	5	7
504.4	Enterprise Resource Planning	5	-	5	5
504.5	E-Commerce	4	2	6	8
504.6	Natural Language Processing	4	2	6	8
504.7	Data Mining	4	1	5	6
504.8	Embedded and Real Time Systems	3	2	5	7
Total Credits for the Course (Minimum)				140	

601: Major Project

Specifications for Major Project are given in the appendix.

Outline of the course

Minimum Class Hours	Exam Time (Hours)	Credits	Marks		
			External	Internal	Total
420	Viva 20 mins	15	25	75	100

List of Project/Internship carried out by MCA Students

YEAR		2021	
Sl. No.	ROLL NO.	NAME	Details of Project Work/Internship
1.	18STAMCA007	Deinaphisha Lyngwa	Internship Training at MePDCL, Shillong
2.	18STAMCA026	Pratiksha Mishra	Library Management System
3.	18STAMCA002	Ariesadapha Jones Chullai	ICAR Online Recruitment System
4.	18STAMCA003	Assif Hussain	Online Shopping App using Flutter
5.	18STAMCA005	Dapmon I Papang	Graphical Data of Agricultural and Weather
6.	18STAMCA006	Dawanweiroi Myrchiang	Internship Training at MePDCL, Shillong
7.	18STAMCA008	Deinidaroy Papang	Internship Training at MePDCL, Shillong
8.	18STAMCA009	Dependra Kafley	Hybrid Interactive Knowledge Assimilation Initiative
9.	18STAMCA011	Donaban Kharmawphlang	Internship Training at MePDCL, Shillong
10.	18STAMCA012	Donkumar Lyngdoh Marshillong	School Website
11.	18STAMCA013	Harpreet Kaur Chauhan	Professional Tax Collection
12.	18STAMCA014	Hoinei Kim Zou	Professional Tax Collection
13.	18STAMCA015	Iainehskhem Najjar	Payment Counter for Shillong Municipal Board
14.	18STAMCA016	Kallol Dhar	Intown Health
15.	18STAMCA017	Kitborlang Skhembill	Centralized Pension Payment System
16.	18STAMCA020	Md Shahrukh Shaikh	Service Provider App using Flutter
17.	18STAMCA021	Mohorshi Das	Service Provider App using Flutter
18.	18STAMCA022	Monoj Das	Attendance and Virtual Training Module
19.	18STAMCA019	Lili Das	NERIE Faculty Management System
20.	18STAMCA024	Pdianghun Kharsohnoh	Authentication of User to access API
21.	18STAMCA027	Sharon Kharnarry	NERIE Student Management System
22.	18STAMCA023	Pamela B. Longkumer	Internship Training at MePDCL, Shillong
23.	18STAMCA025	Peace Forever Dkhar	Payment Counter for Shillong Municipal Board
24.	18STAMCA028	Sushil Kumar Singh	Online Shopping App using Flutter



MEGHALAYA ENERGY CORPORATION LIMITED
(A Government of Meghalaya Undertaking)

HUMAN RESOURCE DEVELOPMENT CENTRE
UMIAM-793103, RI-BHOI DISTRICT, MEGHALAYA
CORPORATE IDENTIFICATION No. U40101ML2009SGC008374

☎ : 0364-2570333/2570533

✉ : hrdc.meecl@gmail.com

MeECL/HRDC/Trg-14 (Part-V)/Intern/2020-21/307

Dated the 06th July, 2021

TO WHOM IT MAY CONCERN

This is to certify that *Smti. Deinaphisha Lyngwa*, a Student bearing Roll /Registration No. 18STMCA007 of St Anthony's College Shillong-793001, Meghalaya has carried out the Internship Training as part of the Industrial Training in partial fulfilment of her VI Semester in MCA (Master of Computer Application) at :-

O/o the Executive Engineer MIS, Me.P.D.C.L, Lumjingshai, Shillong

With effect from 15th April 2021 to 30th June 2021 under the guidance of the Executive Engineer, MIS Me.P.D.C.L, Lumjingshai, Shillong and supervision of HRD Centre, MeECL, Umiam.

She has subsequently submitted her project report which is a bonafide record of work. The report has fulfilled the entire requirement and has reached the standard for submission.

I wish her success in all her future endeavours.

Date : 06th July, 2021
Place : Umiam,
Ri-Bhoi District,
Meghalaya



M.B. Kurbah 06/7/21
(M.B. Kurbah)
Deputy Director



Department of Computer Science
St. Anthony's College, Shillong
Affiliated to
North Eastern Hill University, Shillong

CERTIFICATE

This is to certify that the Major Project report titled "*MePDCL Assets: GIS-Mapping Application*" is an approved work done by *Ms. Deinaphisha Lyngwa, 6th Semester Master of Computer Application, 2021* (University Roll No-18STAMCA007) in the partial fulfillment of the requirement for the award of the degree of Master of Computer Application under North Eastern Hill University, Shillong from St. Anthony's College, Shillong.

Dr. Anjan Das
Director, MCA
St. Anthony's College
Shillong – 793001
Meghalaya



**Department of Computer Science
St. Anthony's College, Shillong
Affiliated to
North Eastern Hill University, Shillong**

CERTIFICATE

This is to certify that the project report entitled "***Library Management System***" is an approved work done by ***Ms. Pratiksha Mishra*** (RollNo-18STAMCA026) in the partial fulfillment of the requirement for the award of the degree of Master of Computer Application under North Eastern Hill University, Shillong from St. Anthony's College, Shillong.

Signature
Dr. Anjan Das
Director, MCA
St. Anthony's College
Shillong – 793001
Meghalaya



Department of Computer Science
St. Anthony's College, Shillong
Affiliated to
North Eastern Hill University, Shillong

CERTIFICATE

This is to certify that the Project work titled "***Library Management System***" bonafide work done by ***Ms. Pratiksha Mishra, North Eastern Hill University, 18STAMCA026***, under my guidance during the sixth semester of the course.

Signature

Internal Guide

Prof. Iban Nongrum

Project seminar was held on 6th August, 2021 at
St. Anthony's College, Shillong

Date:

External Examiner



Government of India
Ministry of Electronics and Information Technology National
Informatics Centre
Meghalaya State Centre
NIC Building Secretariat Hills
Shillong-793001
Phone:(0364)2225501(0)

Date: 3-8-2021

CERTIFICATE


This is to certify that **Ms. Ariesadapha Jones Chullai**, a 6th Semester MCA student of St Anthony's College, Shillong, has successfully completed her project work entitled "**ICAR Online Recruitment System**", at **NIC, Meghalaya State Centre, Shillong**.

Her work has been prepared as partial fulfillment of the requirement for the degree of MCA, to be awarded by St Anthony's College, Shillong. The project work submitted here is the bona-fide work of the student.

During her stay at "NIC" she has displayed very sincere and consensus attitude towards work.

I wish her success in all future endeavors.




Mr. Timothy Dkhar
Deputy Director General &
State Informatics Officer
National Informatics Centre

Govt. of India
Deputy Director General
State Informatics Officer
National Informatics Centre
Meghalaya State



Government of India
Ministry of Electronics and Information Technology
National Informatics Centre
Meghalaya State Centre
NIC Building Secretariat Hills
Shillong-793001
Phone:(0364)2225501(0)

Date : 3-8- 2021

CERTIFICATE

This is to certify that **Ms. Ariesadapha Jones Chullai**, a 6th Semester MCA student of St Anthony's College, Shillong, has successfully completed her project work entitled "**ICAR Online Recruitment System**", at **NIC, Meghalaya State Centre, Shillong**.

Her work has been prepared as partial fulfillment of the requirement for the degree of MCA, to be awarded by St Anthony's College, Shillong . The project work submitted here is the bona-fide work of the student.

During her stay at "NIC" she has displayed very sincere and consensus attitude towards work.

I wish her success in all future endeavors


03/08/2021

Mr. Kernold Basaiawmoit
Scientist-C
National Informatics Centre
Meghalaya State Centre
Shillong – 793001
Govt. of India

Kernold Basaiawmoit
Scientist -C
National Informatics Centre
Meghalaya State Centre, Shillong
Government of India



InTown Solutions
4th Floor, Modrina Mansion
Laitumkrah
Shillong 793003

8794727288 | info@intownsolutions.com

CERTIFICATE

Date : 01-08-2021

This is to certify that Mr. ASIF HUSSAIN [18STAMCA003], a 6th Semester MCA student of St. Anthony's College, Shillong, has successfully completed his project work entitled "ONLINE SHOPPING APP USING FLUTTER", at InTown Solutions, Laitumkrah, Shillong.

His work has been prepared as partial fulfillment of the requirement for the degree of MCA, to be awarded by North Eastern Hill University. The project work submitted here is the bona-fide work of the student.

During his stay at InTown Solutions, he has displayed very sincere and consensus attitude towards work. I wish him success in all future endeavors.

For InTown Solutions

Aldon M. Pariat Mylliem,
Managing Director



(Authorized Signatory)



Government of India
Ministry of Electronics and Information Technology
National Informatics Centre
Meghalaya State Centre NIC
Building Secretariat Hills
Shillong-793001
Phone: (0364)2225501(0)

Date: 3rd August 2021

CERTIFICATE

This is to certify that *Mr. Dapmon I Papang*, a 6th Semester MCA student of St Anthony's College, Shillong, has successfully completed his project work entitled "*Graphical Data of Agricultural and Weather*", at *NIC, Meghalaya State Centre, Shillong*.

His work has been prepared as partial fulfillment of the requirement for the degree of MCA, to be awarded by North Eastern Hill University. The project work submitted here is the bona-fide work of the student.

During his stay at "NIC", he has displayed very sincere and consensus attitude towards work.

I wish him success in all future endeavors.




Mr. Timothy Dkhar

Deputy Director General &
State Informatics Officer
National Informatics Centre
Govt. of India

Timothy Dkhar
Deputy Director General
State Informatics Officer
National Informatics Centre
Meghalaya State
Govt. of India



Government of India
Ministry of Electronics and Information Technology
National Informatics Centre
Meghalaya State Centre
NIC Building Secretariat Hills
Shillong-793001
Phone:(0364)2225501(0)

Date : 3rd August 2021

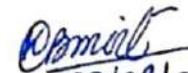
CERTIFICATE

This is to certify that *Mr. Dapmon I Papang*, a 6th Semester MCA student of St. Anthony's College, Shillong, has successfully completed his project work entitled "*Graphical Data Of Agricultural And Weather*", at *NIC, Meghalaya State Centre, Shillong*.

His work has been prepared as partial fulfillment of the requirement for the degree of MCA, to be awarded by North Eastern Hill University. The project work submitted here is the bona-fide work of the student.

During his stay at "NIC", he has displayed very sincere and consensus attitude towards work.

I wish him success in all future endeavors.


03/08/2021

Mr. Kernold Basaiawmoit
Scientist-C
National Informatics Centre
Meghalaya State Centre
Shillong – 793001
Govt. of India

Kernold Basaiawmoit
Scientist -C
National Informatics Centre
Meghalaya State Centre, Shillong
Government of India



MEGHALAYA ENERGY CORPORATION LIMITED

(A Government of Meghalaya Undertaking)

HUMAN RESOURCE DEVELOPMENT CENTRE
UMIAM-793103, RI-BHOI DISTRICT, MEGHALAYA
CORPORATE IDENTIFICATION No. U40101ML2009SGCC08374

☎ : 0364-2570333/2570533

✉ : hrdc.meeccl@gmail.com

MeECL/HRDC/Trg-14 (Part-V)/Intern/2020-21/310

Dated the 06th July, 2021

TO WHOM IT MAY CONCERN

This is to certify that *Shri Dawanweiroi Myrchiang*, a Student bearing Roll/Registration No. 18STMCA006 of St Anthony's College Shillong-793001, Meghalaya has carried out the Internship Training as part of the Industrial Training in partial fulfilment of his VI Semester in MCA (Master of Computer Application) at :-

O/o the Executive Engineer MIS, Me.P.D.C.L, Lumjingshai, Shillong

With effect from 15th April 2021 to 30th June 2021 under the guidance of the Executive Engineer, MIS Me.P.D.C.L, Lumjingshai, Shillong and supervision of HRD Centre, MeECL, Umiam.

He has subsequently submitted his project report which is a bonafide record of work. The report has fulfilled the entire requirement and has reached the standard for submission.

I wish him success in all his future endeavours.

Date : 06th July, 2021
Place : Umiam,
Ri-Bhoi District,
Meghalaya



M.B. Kurbah
06/7/21
(M.B.Kurbah)
Deputy Director



MEGHALAYA ENERGY CORPORATION LIMITED

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HUMAN RESOURCE DEVELOPMENT CENTRE
UMIAM-793103, RI-BHOI DISTRICT, MEGHALAYA
CORPORATE IDENTIFICATION No. U40101ML2009SGC008374

☎ : 0364-2570333/2570533

✉ : hrdc.meecl@gmail.com

MeECL/HRDC/Trg-14 (Part-V)/Intern/2020-21/308

Dated the 06th July, 2021

TO WHOM IT MAY CONCERN

This is to certify that *Smti. Deinidaroy Papang*, a Student bearing Roll /Registration No. 18STMCA008 of St Anthony's College Shillong-793001, Meghalaya has carried out the Internship Training as part of the Industrial Training in partial fulfilment of her VI Semester in MCA (Master of Computer Application) at :-

O/o the Executive Engineer MIS, Me.P.D.C.L, Lumjingshai, Shillong

With effect from 15th April 2021 to 30th June 2021 under the guidance of the Executive Engineer, MIS Me.P.D.C.L, Lumjingshai, Shillong and supervision of HRD Centre, MeECL, Umiam.

She has subsequently submitted her project report which is a bonafide record of work. The report has fulfilled the entire requirement and has reached the standard for submission.

I wish her success in all her future endeavours.

Date : 06th July, 2021
Place : Umiam,
Ri-Bhoi District,
Meghalaya



M.B. Kurbah
06/7/21
(M.B.Kurbah)
Deputy Director

"Save energy for benefit of self and nation"



Phone : (0364) 2536767

RAMAKRISHNA MISSION

Laitumkhrah, P.O. Box - 9

SHILLONG

Meghalaya, PIN - 793 003

E-mail : shillong@rkmm.org / www.rkmshillong.org

(A Branch Centre of Ramakrishna Mission and Ramakrishna Math
P.O. Belur Math, Dist. Howrah, West Bengal - 711202)

CERTIFICATE

This is to certify that **Mr. Dependra Kafley**, a 6th Semester student of MCA from *St. Anthony's College, Shillong* has completed his full semester project work entitled "*Hybrid Interactive Knowledge Assimilation Initiative (HIKAI)*" at Ramakrishna Mission Vivekananda Cultural Centre, Shillong, Meghalaya, from **February, 2021** to **July, 2021**, under my guidance and supervision for the partial fulfilment of the requirement for the award of the degree of Master of Computer Application under *North Eastern Hill University*.

He has worked on the **Android App** and has shown good character and has also completed all the modules assigned to him within this time frame. He was comfortable with working in a team.

During his stay in the Ramakrishna Mission Vivekananda Cultural Centre, Shillong, Meghalaya, he has displayed very sincere and consensus attitude toward his work. His performance during work was found to be satisfactory.

I wish him success in all his future endeavours.

Signature

Project Guide

Prakash Joshi

Faculty Member



Phone : (0364) 2536767

RAMAKRISHNA MISSION

Laitumkhrah, P.O. Box - 9

SHILLONG

Meghalaya, PIN - 793 003

E-mail : shillong@rkmm.org / www.rkmshillong.org

(A Branch Centre of Ramakrishna Mission and Ramakrishna Math
P.O. Belur Math, Dist. Howrah, West Bengal - 711202)

CERTIFICATE

This is to certify that *Mr. Dependra Kafley*, a student of 6th Semester, MCA of St. Anthony's College, Shillong, has successfully completed his project work on Android Application entitled "**Hybrid Interactive Knowledge Assimilation Initiative (HIKAI)**", at *Ramakrishna Mission*, Shillong.

His work has been prepared as a partial fulfillment of the requirement for the degree of MCA, to be awarded by North Eastern Hill University. The project work submitted here is the bona-fide work of the student.

During his stay at "Ramakrishna Mission", he has displayed a very sincere and consensus attitude towards the work.

I wish him success in all future endeavors.

(Br. Vairagyachaitanya)

Deputy Incharge





MEGHALAYA ENERGY CORPORATION LIMITED

(A Government of Meghalaya Undertaking)

HUMAN RESOURCE DEVELOPMENT CENTRE
UMIAM-793103, RI-BHOI DISTRICT, MEGHALAYA
CORPORATE IDENTIFICATION No. U40101ML2009SGC008374

☎ : 0364-2570333/2570533

✉ : hrdc.meecl@gmail.com

MeECL/HRDC/Trg-14 (Part-V)/Intern/2020-21/311

Dated the 06th July, 2021

TO WHOM IT MAY CONCERN

This is to certify that *Shri Donaban Kharmawphlang*, a Student bearing Roll /Registration No. 18STMCA011 of St Anthony's College Shillong-793001, Meghalaya has carried out the Internship Training as part of the Industrial Training in partial fulfilment of his VI Semester in MCA (Master in Computer Application) at :-

O/o the Executive Engineer MIS, Me.P.D.C.L, Lumjingshai, Shillong

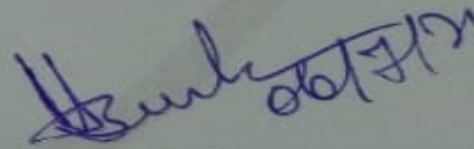
With effect from 15th April 2021 to 30th June 2021 under the guidance of the Executive Engineer, MIS Me.P.D.C.L, Lumjingshai, Shillong and supervision of HRD Centre, MeECL, Umiam.

He has subsequently submitted his project report which is a bonafide record of work. The report has fulfilled the entire requirement and has reached the standard for submission.

I wish him success in all his future endeavours.

Date 06th July, 2021
Place : Umiam,
Ri-Bhoi District,
Meghalaya




(M.B.Kurbah)
Deputy Director



St. Michael's Higher Secondary School

Umsning – 793 105
Ri – Bhoi District, Meghalaya

Sr. Alphonsa Varghese
Principal,
stmichaelh.school2019@gmail.com

CERTIFICATE

This is to certify that **Mr. Donkumar Lyngdoh Marshillong**, a 5th Semester MCA student of St. Anthony's College, Shillong, has successfully completed his project work entitled "**School Website**", at **St. Michael's Higher Secondary School**, Umsning, Meghalaya.

His work has been prepared as partial fulfillment of the requirement for the degree of MCA, to be awarded by North Eastern Hill University. The project work submitted here is the bona-fide work of the student.

During his stay at "**St. Michael's Higher Secondary School**, Umsning, Meghalaya.", he has displayed very sincere and consensus attitude towards work.

I wish him success in all future endeavors.

Signature

Sr. Alphonsa Varghese
Principal

Principal
St. Michael's H.S. School
Umsning - 793105
Ri Bhoi District



St. Michael's Higher Secondary School

Umsning – 793 105
Ri – Bhoi District, Meghalaya

Sr. Alphonsa Varghese
Principal,
stmichaelh.school2019@gmail.com

CERTIFICATE

This is to certify that **Mr. Donkumar Lyngdoh Marshillong**, a 6th Semester MCA student of St. Anthony's College, Shillong, has successfully completed his project work entitled "***School Management System***", at **St. Michael's Higher Secondary School**, Umsning, Meghalaya.

His work has been prepared as partial fulfillment of the requirement for the degree of MCA, to be awarded by North Eastern Hill University. The project work submitted here is the bona-fide work of the student.

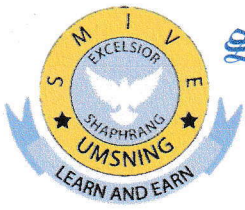
During his stay at "**St. Michael's Higher Secondary School**, Umsning, Meghalaya.", he has displayed very sincere and consensus attitude towards work.

I wish him success in all future endeavors.


Signature

Sr. Alphonsa Varghese
Principal

Principal
St Michael's H.S. School
Umsning - 793105
Ri Bhoi District



St. Michael's Institute of Vocational Education/Skill Development
Centre

Umsning – 793 105
Ri – Bhoi District, Meghalaya

VTP Registration No. 41704001

CERTIFICATE

This is to certify that **Mr. Donkumar Lyngdoh Marshillong**, a 5th Semester student of MCA from **St. Anthony's College, Shillong** has completed his full-semester project work entitled "**School Website**" at St. Michael's Higher Secondary School, Umsning, Meghalaya, from **November, 2020** to **May, 2021**, under my guidance and supervision for the partial fulfillment of the requirement for the award of the degree of Master of Computer Application under **North Eastern Hill University**.

During his stay in the St. Michael's Higher Secondary School, Umsning, Meghalaya he has displayed very sincere and consensus attitude towards his work. His performance during work was found to be satisfactory.

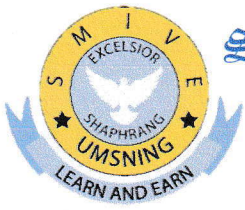
I wish him success in all his future endeavors.

Signature

Project Guide

Tobias K. Ngap Kynta

Secretary MC
St. Michael's Institute of Vocational Education
Umsning, 793105



St. Michael's Institute of Vocational Education/Skill Development
Centre

Umsning – 793 105
Ri – Bhoi District, Meghalaya

VTP Registration No. 41704001

CERTIFICATE

This is to certify that **Mr. Donkumar Lyngdoh Marshillong**, a 6th Semester student of MCA from **St. Anthony's College, Shillong** has completed his full-semester project work entitled "**School Management System**" at St. Michael's Higher Secondary School, Umsning, Meghalaya, from **November, 2020** to **May, 2021**, under my guidance and supervision for the partial fulfillment of the requirement for the award of the degree of Master of Computer Application under **North Eastern Hill University**.

During his stay in the St. Michael's Higher Secondary School, Umsning, Meghalaya he has displayed very sincere and consensus attitude towards his work. His performance during work was found to be satisfactory.

I wish him success in all his future endeavors.

Signature

Project Guide

Tobias K. Ngap Kynta

Secretary MC
St. Michael's Institute of Vocational Education
Umsning, 793105

Professional Tax Collection

A Project Report Submitted
in Partial Fulfillment of the Requirement
for the Degree in Master of Computer Applications

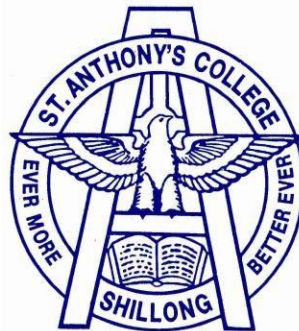
Undertaken at

National Informatics Centre

By

HARPREET KAUR CHAUHAN

University Roll No. 18STAMCA013



Department of Computer
Science St. Anthony's
College
Shillong

Aug,2021



Government of India
Ministry of Electronics and Information Technology
National Informatics Centre
Meghalaya State Centre NIC
Building Secretariat Hills
Shillong-793001
Phone: (0364)2225501(0)

Date: 3rd August 2021

CERTIFICATE


This is to certify that *Ms. Harpreet Kaur Chauhan*, a 6th Semester MCA student of St Anthony's College, Shillong, has successfully completed her project work entitled "*Professional Tax Collection*", at *NIC, Meghalaya State Centre, Shillong*.

Her work has been prepared as partial fulfillment of the requirement for the degree of MCA, to be awarded by North Eastern Hill University. The project work submitted here is the bona-fide work of the student.

During her stay at "NIC", she has displayed very sincere and consensus attitude towards work.

I wish her success in all future endeavors.




Mr. Timothy Dkhar
Deputy Director General &
State Informatics Officer
National Informatics Centre
Govt. of India

Timothy Dkhar
Deputy Director General
State Informatics Officer
National Informatics Centre
Meghalaya State
Ministry Government of India



Government of India
Ministry of Electronics and Information Technology
National Informatics Centre
Meghalaya State Centre NIC
Building Secretariat Hills
Shillong-793001
Phone: (0364)2225501(0)

Date : 3rd August 2021

CERTIFICATE

This is to certify that *Ms. Harpreet Kaur Chauhan*, a 6th Semester MCA student of St Anthony's College, Shillong, has successfully completed her project work entitled "*Professional Tax Collection*", at *NIC, Meghalaya State Centre, Shillong*.

Her work has been prepared as partial fulfilment of the requirement for the degree of MCA, to be awarded by North Eastern Hill University. The project work submitted here is the bona-fide work of the student.

During her stay at "NIC", she has displayed very sincere and consensus attitude towards work.

I wish her success in all future endeavours.

Mr. Pynbianglut Hadem
Scientist-C
National Informatics Centre
Meghalaya State Centre
Shillong - 793001
Civil Systems Analyst
National Informatics Centre.
Meghalaya State Centre.
Shillong- 793001



Government of India
Ministry of Electronics and Information Technology
National Informatics Centre
Meghalaya State Centre NIC
Building Secretariat Hills
Shillong-793001
Phone: (0364)2225501(0)

Date : 3rd August 2021

CERTIFICATE

This is to certify that *Ms. Hoini Kim Zou*, a 6th Semester MCA student of St Anthony's College, Shillong, has successfully completed her project work entitled "*Professional Tax Collection*", at *NIC, Meghalaya State Centre, Shillong*.

Her work has been prepared as partial fulfilment of the requirement for the degree of MCA, to be awarded by North Eastern Hill University. The project work submitted here is the bona-fide work of the student.

During her stay at "NIC", she has displayed very sincere and consensus attitude towards work.

I wish her success in all future endeavours.

Mr. Pynbianglut Hadem

Scientist-C
National Informatics Centre
Meghalaya State Centre
Shillong - 793001

Govt. of India
Senior Systems Analyst
National Informatics Centre
Meghalaya State Centre,
Shillong- 793001



Government of India
Ministry of Electronics and Information Technology
National Informatics Centre
Meghalaya State Centre NIC
Building Secretariat Hills
Shillong-793001
Phone: (0364)2225501(0)

Date: 3rd August 2021

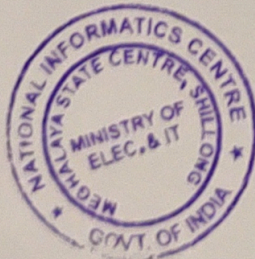
CERTIFICATE

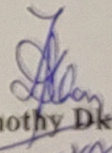
This is to certify that *Ms Hoinei kim Zou*, a 6th Semester MCA student of St Anthony's College, Shillong, has successfully completed her project work entitled "*Professional Tax Collection*", at NIC, Meghalaya State Centre, Shillong.

Her work has been prepared as partial fulfillment of the requirement for the degree of MCA, to be awarded by North Eastern Hill University. The project work submitted here is the bona-fide work of the student.

During her stay at "NIC", she has displayed very sincere and consensus attitude towards work.

I wish her success in all future endeavors.




Mr. Timothy Dkhar
Deputy Director General &
State Informatics Officer
National Informatics Centre
Govt. of India
Timothy Dkhar
Deputy Director General
State Informatics Officer
National Informatics Centre
Meghalaya State
Government of India



Government of India
Ministry of Electronics and Information Technology
National Informatics Centre
Meghalaya State Centre NIC
Building Secretariat Hills
Shillong-793001
Phone:(0364)2225501(0)

Mr. Timothy Dkhar,
Deputy Director General
&
State Informatics Officer
National Informatics Centre
Dept. Of Information Technology
Govt. of India

Date:2nd August 2021

CERTIFICATE

This is to certify that *Ms. Iainehskhem Najiar*, a 6th Semester M.C.A Computer Science student of St.Anthony's College Shillong, has successfully completed her project work entitled "*Payment Counter For Shillong Municipal Board Shillong*", at *NIC, Meghalaya State Centre, Shillong*.

Her work has been prepared as partial fulfillment of the requirement for the degree of M.C.A Computer Science, to be awarded by North Eastern Hill University. The project work submitted here is the bona-fide work of the student.

During her stay at "NIC", she has displayed very sincere and consensus attitude towards work.

I wish her success in all future endeavours.




Mr. Timothy Dkhar
Deputy Director General
&
State Informatics Officer
National Informatics Centre
Govt. of India
Timothy Dkhar
Deputy Director General
State Informatics Officer
National Informatics Centre
Meghalaya State
Government of India



Government of India
Ministry of Electronics and Information Technology
National Informatics Centre
Meghalaya State Centre NIC
Building Secretariat Hills
Shillong-793001
Phone:(0364)2225501(0)

Date : 02nd August 2021

CERTIFICATE


This is to certify that *Ms. Iainehskhem Najiar*, a 6th Semester M.C.A student of St.Anthony's College Shillong, has successfully completed her project work entitled "*Payment Counter For Shillong Municipal Board*", at *NIC, Meghalaya State Centre, Shillong*.

Her work has been prepared as partial fulfillment of the requirement for the degree of M.C.A Computer Science, to be awarded by North Eastern Hill University. The project work submitted here is the bona-fide work of the student.

During her stay at "NIC", she has displayed very sincere and consensus attitude towards work.

I wish her success in all future endeavours.




Scientist "C"
National Informatics Center
Ministry of Electronics & IT
Shillong - 793001
Shri Gulrez A. Sohliya
Scientist-C
National Informatics Centre
Meghalaya State Centre
Shillong - 793001
Govt. of India



InTown Solutions
4th Floor, Modrina Mansion
Laitumkrah
Shillong 793003

8794727288 | info@intownsolutions.com

CERTIFICATE

Date : 01-08-2021

This is to certify that Mr. KALLOL DHAR [18STAMCA016], a 6th Semester MCA student of St. Anthony's College, Shillong, has successfully completed his project work entitled "INTOWN HEALTH", at InTown Solutions, Laitumkrah, Shillong.

His work has been prepared as partial fulfillment of the requirement for the degree of MCA, to be awarded by North Eastern Hill University. The project work submitted here is the bona-fide work of the student.

During his stay at InTown Solutions, he has displayed very sincere and consensus attitude towards work. I wish him success in all future endeavors.

For InTown Solutions

Aldon M. Pariat Myllem,
Managing Director



(Authorized Signatory)

Smti. W. Shallam

**Director,
Accounts & Treasuries,
Lower Lachumiere,
Meghalaya, Shillong - 1**



☎ 0364 - 2226553 (O)

No.

Dated Shillong, the

CERTIFICATE

This is to certify that **Mr. KITBORLANG SKHEMBILL**, 6th Semester MCA student of St. Anthony's College, Shillong, has successfully completed his project work entitled "**Centralized Pension Payment System**", at **OFFICE OF THE DIRECTOR OF ACCOUNTS AND TREASURIES**, Lower Lachumiere, Shillong 793001, Meghalaya.

His work has been prepared as partial fulfillment of the requirement for the degree of MCA, to be awarded by North Eastern Hill University. The project work submitted here is the bona-fide work of the student.

During his stay at "**OFFICE OF THE DIRECTOR OF ACCOUNTS AND TREASURIES**", he has displayed sincerity and consensus attitude towards his work.

I wish him success in all future endeavors.


Director of Accounts & Treasuries,
Govt. of Meghalaya,
Shillong, Shillong.



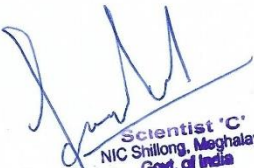
Government of India
Ministry of Communication & Information Technology
National Informatics Centre
Meghalaya State Centre
NIC Building Secretariat Hills
Shillong-793001
Phone: (0364) 2225501(O)

CERTIFICATE

This is to certify that **Mr. KITBORLANG SKHEMBILL**, 6th Semester student of MCA from **St. Anthony's College, Shillong** has completed his full-semester project work entitled "Centralized Pension Payment System" at "OFFICE OF THE DIRECTOR OF ACCOUNTS AND TREASURIES", Lower Lachumiere, Shillong 793001, Meghalaya, from **April, 2021** to **August, 2021**, under my guidance and supervision for the partial fulfillment of the requirement for the award of the degree of Master of Computer Application under **North Eastern Hill University**.

During his stay in **OFFICE OF THE DIRECTOR OF ACCOUNTS AND TREASURIES**, he has displayed sincerity and consensus attitude toward his work. His performance during work was found to be satisfactory.

I wish him success in all his future endeavors.



Scientist 'C'
NIC Shillong, Meghalaya
Govt. of India

Project Guide

Perry M Kharmawphlang

Scientist- 'C'

NIC Meghalaya State Centre, Shillong.

Email: perry.kharmawphlang@nic.in



InTown Solutions
4th Floor, Modrina Mansion
Laitumkrah
Shillong 793003

8794727288 | info@intownsolutions.com

CERTIFICATE

Date : 01-08-2021

This is to certify that Mr. MD SHAHRUKH SHAIKH [18STAMCA020], a 6th Semester MCA student of St. Anthony's College, Shillong, has successfully completed his project work entitled "SERVICE PROVIDER APP USING FLUTTER", at InTown Solutions, Laitumkrah, Shillong.

His work has been prepared as partial fulfillment of the requirement for the degree of MCA, to be awarded by North Eastern Hill University. The project work submitted here is the bona-fide work of the student.

During his stay at InTown Solutions, he has displayed very sincere and consensus attitude towards work. I wish him success in all future endeavors.

For InTown Solutions

Aldon M. Pariat Mylliem,
Managing Director



(Authorized Signatory)



InTown Solutions
4th Floor, Modrina Mansion
Laitumkrah
Shillong 793003

8794727288 | info@intownsolutions.com

CERTIFICATE

Date : 01-08-2021

This is to certify that Mr. MOHORSHI DAS [18STAMCA021], a 6th Semester MCA student of St. Anthony's College, Shillong, has successfully completed his project work entitled "SERVICE PROVIDER APP USING FLUTTER", at InTown Solutions, Laitumkrah, Shillong.

His work has been prepared as partial fulfillment of the requirement for the degree of MCA, to be awarded by North Eastern Hill University. The project work submitted here is the bona-fide work of the student.

During his stay at InTown Solutions, he has displayed very sincere and consensus attitude towards work. I wish him success in all future endeavors.

For InTown Solutions

Aldon M. Pariat Mylliem,
Managing Director



(Authorized Signatory)



lewduh Techz Pvt. Ltd.
The ultimate IT Solution

103, DEY Complex,
Lower Jail Road,
Shillong, Meghalaya- 793001
INDIA



+91 364 2970513
+91 98633 77711

CIN: U72900ML2018PTC013666


CERTIFICATE

This is to certify that **Mr. Monoj Das**, a 6th Semester MCA student of St. Anthony's College, Shillong has successfully completed his project work entitled "**Attendance and Virtual Training Module of a School ERP Product**", at **lewduh Techz Private Limited**, Shillong, Meghalaya.

His work has been prepared as partial fulfilment of the requirement for the degree of MCA, to be awarded by North Eastern Hill University. The project work submitted here is the bona-fide work of the student.

During his stay at lewduh Techz Private Limited, he has displayed very sincere and consensus attitude towards work.

I wish him success in all future endeavours.


Signature

Omprakash Yadav

lewduh Techz Private Limited



lewduh Techz Pvt. Ltd.
The ultimate IT Solution

183, DEY Complex,
Lower Jail Road,
Shillong, Meghalaya- 791001
INDIA



+91 364 2970813
+91 98633 77711

CIN: U72900ML2018PTC019666

CERTIFICATE

This is to certify that **Mr. Monoj Das**, a 6th Semester student of MCA from **St. Anthony's College, Shillong** has completed his full semester project work entitled "**Attendance and Virtual Training Module of a School ERP Product**" at lewduh Techz Private Limited, Shillong, Meghalaya, from **April, 2021** to **July, 2021**, under my guidance and supervision for the partial fulfilment of the requirement for the award of the degree of Master of Computer Application under **North Eastern Hill University**.

During his stay in the lewduh Techz Private Limited, Shillong, Meghalaya, he has displayed very sincere and consensus attitude toward his/her work. His performance during work was found to be satisfactory.

I wish him success in all his future endeavours.

Signature

Project Guide

Omprakash Yadav

Director



Government of India
Ministry of Electronics and Information Technology
National Informatics Centre
Meghalaya State Centre NIC
Building Secretariat Hills
Shillong-793001
Phone: (0364)2225501(0)

Date: 3rd August 2021

CERTIFICATE


This is to certify that *Ms. Lili Das*, a 6th Semester MCA student of St Anthony's College, Shillong, has successfully completed her project work entitled "*NERIE Faculty Management System*", at *NIC, Meghalaya State Centre, Shillong*.

Her work has been prepared as partial fulfillment of the requirement for the degree of MCA, to be awarded by North Eastern Hill University. The project work submitted here is the bona-fide work of the student.

During her stay at "NIC", she has displayed very sincere and consensus attitude towards work.

I wish her success in all future endeavors.




Mr. Timothy Dkhar
Deputy Director General &
State Informatics Officer
National Informatics Centre
Govt. of India
Timothy Dkhar
Deputy Director General
State Informatics Officer
National Informatics Centre
Meghalaya State
Ministry Government of India



Government of India
Ministry of Electronics and Information Technology
National Informatics Centre
Meghalaya State Centre NIC
Building Secretariat Hills
Shillong-793001
Phone: (0364)2225501(0)

Date : 3rd August 2021

CERTIFICATE

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Her work has been prepared as partial fulfilment of the requirement for the degree of MCA, to be awarded by North Eastern Hill University. The project work submitted here is the bona-fide work of the student.

During her stay at "NIC", she has displayed very sincere and consensus attitude towards work.

I wish her success in all future endeavours.

R Basaiawmoit
03/08/2021

Mr. Kernold Basaiawmoit
Scientist-C
National Informatics Centre
Meghalaya State Centre
Shillong – 793001
Govt. of India

Kernold Basaiawmoit
Scientist-C
National Informatics Centre
Meghalaya State Centre, Shillong
Government of India



Government of India
Ministry of Electronics and Information Technology
National Informatics Centre
Meghalaya State Centre
NIC Building Secretariat Hills
Shillong-793001
Phone:(0364)2225501(0)

Mr. Timothy Dkhar,
Deputy Director General
&
State Informatics Officer
National Informatics Centre
Dept. Of Information Technology
Govt. of India

Date : 2nd August 2021

CERTIFICATE


This is to certify that *Miss. Pdianghun Kharsohnoh*, a 6th Semester MCA student of St. Anthony's College, Shillong, has successfully completed her project work entitled "*Authentication of User to access API using JWT token*", at *NIC, Meghalaya State Centre, Shillong*.

Her work has been prepared as partial fulfillment of the requirement for the degree of MCA, to be awarded by North Eastern Hill University. The project work submitted here is the bona-fide work of the student.

During her stay at "NIC", she has displayed very sincere and consensus attitude towards work.

I wish her success in all future endeavours.




Mr. Timothy Dkhar
Deputy Director General
&
State Informatics Officer
National Informatics Centre
Govt. of India
Deputy Director General
State Informatics Officer
National Informatics Centre
Meghalaya State
Government of India



Government of India
Ministry of Electronics and Information Technology
National Informatics Centre
Meghalaya State Centre NIC
Building Secretariat Hills
Shillong-793001
Phone:(0364)2225501(0)

Date : 2nd August 2021

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Her work has been prepared as partial fulfillment of the requirement for the degree of MCA, to be awarded by St. Anthony's College. The project work submitted here is the bona-fide work of the student.

During her stay at "NIC", she has displayed very sincere and consensus attitude towards work.

I wish her success in all future endeavours.



Nongmaithem Reena
02/08/2021
Smt. Nongmaithem Reena
Scientific Technical Assistant-B
National Informatics Centre
Meghalaya State Centre
Shillong – 793001
Govt. of India



Government of India
Ministry of Electronics and Information Technology
National Informatics Centre
Meghalaya State Centre NIC
Building Secretariat Hills
Shillong-793001
Phone: (0364)2225501(0)

Date: 3rd August 2021

CERTIFICATE


This is to certify that *Ms Sharon Kharnarry*, a 6th Semester MCA student of St Anthony's College, Shillong, has successfully completed her project work entitled "*NERIE Student Management System*", at *NIC, Meghalaya State Centre, Shillong*.

Her work has been prepared as partial fulfillment of the requirement for the degree of MCA, to be awarded by North Eastern Hill University. The project work submitted here is the bona-fide work of the student.

During her stay at "NIC", she has displayed very sincere and consensus attitude towards work.

I wish her success in all future endeavors.




Mr. Timothy Dkhar
Deputy Director General &
State Informatics Officer
National Informatics Centre
Govt. of India
Deputy Director General
State Informatics Officer
National Informatics Centre
Meghalaya State
Ministry Government of India



Government of India
Ministry of Electronics and Information Technology
National Informatics Centre
Meghalaya State Centre NIC
Building Secretariat Hills
Shillong-793001
Phone: (0364)2225501(0)

Date : 3rd August 2021

CERTIFICATE

This is to certify that *Ms. Sharon Kharnarry*, a 6th Semester MCA student of St Anthony's College, Shillong, has successfully completed her project work entitled "*NERIE Student Management System*", at *NIC, Meghalaya State Centre, Shillong*.

Her work has been prepared as partial fulfilment of the requirement for the degree of MCA, to be awarded by North Eastern Hill University. The project work submitted here is the bona-fide work of the student.

During her stay at "NIC", she has displayed very sincere and consensus attitude towards work.

I wish her success in all future endeavours.

R. Basaiawmoit
03/08/2021

Mr. Kernold Basaiawmoit
Scientist-C
National Informatics Centre
Meghalaya State Centre
Shillong – 793001
Govt. of India

Kernold Basaiawmoit
Scientist -C
National Informatics Centre
Meghalaya State Centre, Shillong
Government of India



MEGHALAYA ENERGY CORPORATION LIMITED

(A Government of Meghalaya Undertaking)

HUMAN RESOURCE DEVELOPMENT CENTRE
UMIAM-793103, RI-BHOI DISTRICT, MEGHALAYA
CORPORATE IDENTIFICATION No. U40101ML2009SGC008374

☎ : 0364-2570333/2570533

✉ : hrdc.meecl@gmail.com

MeECL/HRDC/Trg-14 (Part-V)/Intern/2020-21/309

Dated the 06th July, 2021

TO WHOM IT MAY CONCERN

This is to certify that *Smti. Pamela B. Longkumer*, a Student bearing Roll /Registration No. 18STMCA023 of St Anthony's College Shillong-793001, Meghalaya has carried out the Internship Training as part of the Industrial Training in partial fulfilment of her VI Semester in MCA (Master of Computer Application) at :-

O/o the Executive Engineer MIS, Me.P.D.C.L, Lumjingshai, Shillong

With effect from 15th April 2021 to 30th June 2021 under the guidance of the Executive Engineer, MIS Me.P.D.C.L, Lumjingshai, Shillong and supervision of HRD Centre, MeECL, Umiam.

She has subsequently submitted her project report which is a bonafide record of work. The report has fulfilled the entire requirement and has reached the standard for submission.

I wish her success in all her future endeavours.

Date : 06th July, 2021
Place : Umiam,
Ri-Bhoi District,
Meghalaya



M.B. Kurbah 06/7/21
(M.B.Kurbah)
Deputy Director



Government of India
Ministry of Electronics and Information Technology
National Informatics Centre
Meghalaya State Centre NIC
Building Secretariat Hills
Shillong-793001
Phone:(0364)2225501(0)

Mr. Timothy Dkhar,
Deputy Director General
&
State Informatics Officer
National Informatics Centre
Dept. Of Information Technology
Govt. of India

Date : 02nd August 2021

CERTIFICATE

This is to certify that *Ms. Peace Forever Dkhar*, a 6th Semester M.C.A student of St. Anthony's College Shillong, has successfully completed his project work entitled "*Payment Counter For Shillong Municipal Board Shillong*", at *NIC, Meghalaya State Centre, Shillong*.

His work has been prepared as partial fulfillment of the requirement for the degree of M.C.A Computer Science, to be awarded by North Eastern Hill University. The project work submitted here is the bona-fide work of the student.

During his stay at "NIC", he has displayed very sincere and consensus attitude towards work.

I wish him success in all future endeavours.



Mr. Timothy Dkhar
Deputy Director General
&

State Informatics Officer
National Informatics Centre
Govt. of India
Deputy Director General
State Informatics Officer
National Informatics Centre
Meghalaya State
Government of India



Government of India
Ministry of Electronics and Information Technology
National Informatics Centre
Meghalaya State Centre NIC
Building Secretariat Hills
Shillong-793001
Phone:(0364)2225501(0)

Date : 02nd August 2021

CERTIFICATE


This is to certify that *Mr. Peace Forever Dkhar*, a 6th Semester M.C.A student of St.Anthony's College Shillong, has successfully completed his project work entitled "*Payment Counter For Shillong Municipal Board*", at *NIC, Meghalaya State Centre, Shillong*.

His work has been prepared as partial fulfillment of the requirement for the degree of M.C.A Computer Science, to be awarded by North Eastern Hill University. The project work submitted here is the bona-fide work of the student.

During his stay at "NIC", he has displayed very sincere and consensus attitude towards work.

I wish him success in all future endeavours.




Shri Gulrez A.Sohliya
Scientist-C
National Informatics Centre
Meghalaya State Centre
Shillong – 793001
Govt. of India



InTown Solutions
4th Floor, Modrina Mansion
Laitumkrah
Shillong 793003

8794727288 | info@intownsolutions.com

CERTIFICATE

Date : 01-08-2021

This is to certify that Mr. SUSHIL KUMAR SINGH [18STAMCA028], a 6th Semester MCA student of St. Anthony's College, Shillong, has successfully completed his project work entitled "ONLINE SHOPPING APP USING FLUTTER", at InTown Solutions, Laitumkrah, Shillong.

His work has been prepared as partial fulfillment of the requirement for the degree of MCA, to be awarded by North Eastern Hill University. The project work submitted here is the bona-fide work of the student.

During his stay at InTown Solutions, he has displayed very sincere and consensus attitude towards work. I wish him success in all future endeavors.

For InTown Solutions

Aldon M. Pariat Mylliem,
Managing Director



(Authorized Signatory)



ST ANTHONY'S COLLEGE

(A Don Bosco Institution)

SHILLONG 793 001

MEGHALAYA - INDIA

NAAC Re-Accredited with 'A'

College with Potential for Excellence (awarded by UGC)

Declaration:

I hereby declare that the details and information given above are complete and true to the best of my knowledge and belief.



Principal
Principal
St. Anthony's College
Shillong - 793001
Meghalaya - India