

GURUNANAK INSTITUTE OF TECHNOLOGY

Approved by A.I.C.T.E., New Delhi
Affiliated to MAKAUT, West Bengal



Supporting Document
(Copies of the letter of the university
recognizing teachers as research guides)

Guru Nanak Institute of Technology
157/F, Nilgunj Road, Panihati
Kolkata -700114

Ref. Number GNIT/PRIN/R&D/2021/89	Compiled & Checked by: Dean, R&D Sig..... <i>R&D</i> Date	Approved by: Principal Sig..... <i>Sukon</i> Date
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Principal
Guru Nanak Institute of Technology



Dr. Syed Rafiqul Islam
Registrar

Ref. No. :

Date :

Dt: 28/01/2015

Enrollment Certificate

*This is to certify that Sri. / Smt. **Sharmistha Dey** has been enrolled as a Probationary Ph.D Student under West Bengal University of Technology in **Computer Science & Engineering**.*

*His / Her enrollment number is **PhD/Tech/CSEIT003/2015** and is valid for two years counting from **28.01.2015**. This enrollment number in due course shall be treated as the candidate's Ph.D registration number upon successful completion of the compulsory Ph.D course works as per rules. He / She should follow Ph.D. rules as per new Ph.D guidelines framed by UGC.*

(Syed Rafiqul Islam)

Registrar

Copy forwarded for information:-

1. The Candidate
2. ✓ Dr. Santanu Kr. Sen, Supervisor
3. O/C

MaulanaAbulKalam Azad University of Technology, West Bengal
(Formerly Known as West Bengal University of Technology)



REGISTRATION CERTIFICATE

This is to certify that Shri/Smt. **SOMALINA CHOWDHURY** has been granted registration for Ph.D. program in **CSE-IT**.

Details of registration are :

Ph.D. Registration no.: PhD/Tech/CSEIT085/2018

Date of Enrollment : 11.12.18

Title of the thesis : INTERNET OF THINGS IN SMART GRID

Supervisor : Prof.(Dr.) Santanu Kr. Sen

Joint Supervisor :

Associate Supervisor:None

This registration shall be valid for six years with effect from the date of enrollment.

Registrar



University of Calcutta
Senate House, Kolkata - 700073

Date of Enrollment : **16th August 2019**

Registration Number : **00500/Ph.D.(Tech.)Proceed/2020**

Date of Registration : **22nd January 2020**

Date of Letter : **4th February 2020**

(Please quote the above Number and Date in all future Correspondence)

From:

Deputy Registrar (Acting)
University of Calcutta

To:

Smt Shairee Ganguly
Amrakunja Apartment,
Flat B-104, 5A Neogi Para Road,
Kolkata-700036.



Madam,

I am desired to inform you that you have been granted registration for the Ph.D. programme under this University in **Chemical Technology (Oil Technology)** in terms of **6.6** of the Regulations for the Degree of Doctor of Philosophy (Ph.D.), C.U., framed under UGC Guidelines, **2016**.

This registration shall remain valid for next six years with effect from the date of enrolment as indicated above.

You are to comply with the usual rules of migration in case you have passed the qualifying examinations for the Ph.D. programme from a University/Institute other than the University of Calcutta.

Title of Thesis

“Studies On Identification And Performance Evaluation Of Various Blended Edible Oils.”

Name of the Supervisor : **Dr. (Mrs.) Mahua Ghosh**

Name of the Joint Supervisor : **Dr. Kakali Bandyopadhyay**

Name of the Associate Supervisor : **X**

Yours faithfully,

Deputy Registrar (Acting)

N.B. Please see the instructions overleaf.

DOCUMENTS TO BE SUBMITTED AT THE TIME OF SUBMISSION OF THESIS

1. Certificate from the Supervisor with his/her Residential Address. (NOT to be attached with the Thesis, to be submitted separately for keeping with the file of the candidate)
2. Certificate from the Joint Supervisor (if any) with his/her Residential Address.
3. Attested Photocopy of Enrollment Certificate as "Probationary Ph.D. Student".
4. Attested Photocopy of Ph.D. Registration Letter.
5. (a) Attested Photocopy of University Registration Certificate.
(b) Attested Photocopy of letter revalidating old C.U. Registration Certificate for candidates migrating back to this University.
6. Attested Photocopy of Master Degree Marksheet / Certificate.
7. Attested Photocopy of Completion Certificate of the Course Work for Ph.D. Programme (Attested photocopy of Exemption Certificate for Course Work in case candidate has been entitled to such exemption).
8. Approved copy of summary of works (5000 words) in original.
9. Approved copy of the Report on Departmental Seminar (Original).
10. Library Clearance Certificate (Original) from Calcutta University Central Library.
11. Four copies of Thesis / Five Copies in case there is Joint Supervisor. (Thesis may be printed on both sides of a page.) An envelope should be attached at the inside back cover of each thesis and one CD to be kept within.
12. Eight copies of Abstract (with full signature of the candidate) of the Thesis with title of thesis (not exceeding 350 words) in good quality of paper.
13. Attested Photocopy of the acceptance letter or the reprint of the publication of research paper in the referred journal.
14. 5/6 CD's (CD-RW/DVD-RW NOT ACCEPTED), each containing ONLY three files (without any folders) - 1. Soft Copy of Thesis (in pdf format within 20Mb), 2. Self Attested Abstract of the Thesis (in pdf format within 500Kb) & 3. Self Attested Photograph (in JPG format within 50Kb), to be attached to each copy of thesis and one extra copy for office record.
15. Attested Photocopy of Aadhaar/PAN/EPIC Card.
16. Documents, other than above, required for candidates enrolled as per C.U. Ph.D. Regulations, 2016.
17. One Self-Attested photocopy of the Cover Page of Hard Copy of Thesis.
18. NO LOGO TO BE USED.

Rs. 3,500/- (Three Thousand Five Hundred) only to be paid at the C.U. Cash Section as fees after submission of thesis at the Ph.D. Section.

যাদবপুর বিশ্ববিদ্যালয়



DR. B. KARMAKAR
PRINCIPAL SECRETARY
FACULTY OF ENGINEERING & TECHNOLOGY

*JADAVPUR UNIVERSITY
KOLKATA-700 032, INDIA

Ref. No. ৪-৪/৫/ ৩৪৬/১৬

Date: May 5, 2016

To
Swapan Das,
H/4, Bagha Jatin Pally,
P.O. – Regent Estate,
Kolkata – 700 092

Sub : Ph.D. (Engineering) Registration.

With reference to your application for registration to Ph.D. (Engineering) degree, you are hereby informed that you have been permitted to register your name on payment of requisite Ph.D. Programme fee of Rs.22000/- (Rupees twenty two thousand only) payable in three semi annual installments (8,000/- + 8,000/- + 6,000/-). You may be noted that the date of payment of registration fee will be considered as date of registration.

Registration shall remain valid for five years from the date of registration. The period of validity may be extended on sufficient grounds, if the Doctorate Committee satisfied. But such extension shall not exceed two years. Such application for extension duly forwarded by the supervisor/s shall have to be submitted before expiry of the validity of registration.

The approved title of your thesis is: "DESIGN AND IMPLEMENTATION OF MICROCONTROLLER BASED POWER EFFICIENT SIGNAL CONDITIONING CIRCUIT FOR THE DETECTION OF EXPLOSIVE GASES USING MEMS BASED GAS SENSOR".

If the registration fee is not paid within a month from date of issue of this letter, your application may be treated as cancelled. Your research will be governed by this New Ph.D. Rules and Regulation Please visit our University website www.jadavpur.edu for New Ph.D. Rules and Regulations. For any further clarification you may contact the undersigned.

You are directed to complete 2 (Two) course work within a maximum period of two years from the date of registration as per Revised New Ph. D. rules & regulation.

(Dr. B. Karmakar)
Principal Secretary, FET

Copy : Secretary, FET (vide Res. No. B (3) of D.C meeting. Dt. 29.03.16)
Records – 2
Supervisor/s – Prof. Chandan Kumar Sarkar,
E.T.C.E Department, J.U.

Dr. Sunipa Roy,
Guru Nanak Institute of Technology (JIS Grp.),
157/1, Panihati, Nilgunj Road, Sodepur,
Kolkata – 700 114

Sm

MaulanaAbulKalam Azad University of Technology, West Bengal
(Formerly Known as West Bengal University of Technology)



REGISTRATION CERTIFICATE

This is to certify that Shri/Smt. **SOMA BORAL** has been granted registration for Ph.D. program in **Electronics & Communication Engineering**.

Details of registration are :

Ph.D. Registration no.: PhD/Tech/ECE030/2019

Date of Enrollment : 06.06.2019

Title of the thesis : Performance Analysis and Improvement of Data Security in MIMO Ad Hoc Network

Supervisor : Prof.(Dr.) Arun Kumar Mondal

Joint Supervisor : None

Associate Supervisor : None

This registration shall be valid for six years with effect from the date of enrollment.

Rahim
22/9/2020

Registrar



**MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY,
WEST BENGAL**

(Formerly West Bengal University of Technology)

Main Campus: NH 12, Haringhata, Post Office-Simhat, Police Station-Haringhata, Pin -
741249 City Campus: BF-142, Sector -I, Salt Lake, Kolkata -700 064

Dated-31-08-2021

Results of PhD Program Enrolment Interviews

The PhD Program enrolment interviews for various disciplines are being held online for admission to the Ph.D. program of the University. The listed candidates are selected for admission in the PhD Program. They will receive emails from the PhD Cell with details for fee and necessary documents submission. The results of remaining disciplines will be published in due course.

Discipline: Computer Science & Engineering

SL NO.	APPLICATION NO.	NAME OF THE CANDIDATE	SUPERVISOR(s)
01	R-09-2020/CSE/1072	Souvik Majumdar	Dr. Anup Kolya (RCC Institute of Information Technology) Dr. Asif Ekbal (Indian Institute of Technology Patna)
02	R-09-2020/CSE/1071	Avijit Bose	Dr. Pradyut Sarkar (MAKAUT,WB)
03	R-09-2020/CSE/1074	Sushovan Khatua	Dr. Tapas Si (Bankura Unnayani Institute of Engineering)
05	R-10-2020/CSE/1075	Sudip Kumar De	Dr. Koushik Majumder (MAKAUT,WB) Dr. Avishek Banerjee (Asansol Engineering College)
04	R-12-2020/CSE/1079	Amartya Mukherjee	Prof. Debashis De (MAKAUT,WB) Dr. Nilanjan Dey (JIS University)
06	R-01-2021/CSE/1083	Subhasree Bhattacharjee	Dr. Bikramjit Sarkar (JIS College Of Engineering Kalyani) Dr. Kunal Das (Acharya Prafulla Chandra College)
07	R-01-2021/CSE/1085	Mayurakshi Jana	Dr. Suparna Biswas (MAKAUT,WB)
08	R-01-2021/CSE/1086	Sayantan Dass	Dr. Sujoy Mistry (MAKAUT,WB) Dr. Pradyut Sarkar (MAKAUT,WB)

09	R-01-2021/CSE/1081	Soumen Santra	Dr. Dipankar Majumdar (RCC Institute Of Information Technology) Dr. Surajit Mandal (B.P.Poddar Institute Of Management & Technology)
10	R-01-2021/CSE/1094	Tumpa Pal	Dr. Suparna Biswas (MAKAUT,WB)
11	R-01-2021/CSE/1091	Shawni Dutta	Dr. Sabyasachi Pramanik (Haldia Institute of Technology)
12	R-01-2021/CSE/1098	Debalina Barik	Dr. Sutirtha Kumar Guha (Meghnad Saha Institute of Technology) Dr. Shanta Phani (Bengal Institute of Technology)
19	R-01-2021/CSE/1087	Tanuja Bera	Dr. Pramit Ghosh (RCC Institute of Information Technology)
13	R-02-2021/CSE/1103	Aparajita Chowdhury	Prof. Debashis De (MAKAUT,WB)
14	R-02-2021/CSE/1105	Monish Mukul Das	Dr. Sudipta Sahana (JIS College of Engineering, Kalyani)
16	R-02-2021/CSE/1104	Sabyasachi Mukherjee	Dr. Soumi Dutta (Institute Of Engineering & Management) Prof. Sushmita Mitra (Indian Statistical Institute) Dr. Soumen Kumar Pati (MAKAUT,WB)
20	R-03-2021/CSE/1108	Sayani Chandra	Dr. Sangeeta Bhattacharya (Guru Nanak Institute of Technology)
17	R-04-2021/CSE/1112	Rajib Saha	Prof Anirban Mukherjee (RCCIIT)
15	R-05-2021/CSE/1114	Victor Das	Dr Ira Nath (JIS College of Engineering) Dr. Avishek Banerjee Asansol Engineering College)
18	R-06-2021/CSE/1118	Nilanjana Adhikari	Dr. Suman Bhattacharya (Guru Nanak Institute of Technology) Dr.Mahamuda Sultana (Guru Nanak Institute of Technology)

Discipline: Electronics & Communication Engineering (ECE)

SL NO.	APPLICATION NO.	NAME OF THE CANDIDATE	SUPERVISOR(s)
01	R-09-2020/ECE/1049	Tanushree Ganguli	Dr. Angsuman Sarkar (Kalyani Government Engineering College, Kalyani, Nadia,)
02	R-01-2021/ECE/1054	Ankita Indu	Dr. Koushik Dutta (Netaji Subhash Engineering College)
03	R-01-2021/ECE/1053	Swati Bhattacharjee	Dr. Chandan Kumar Ghosh (Dr.B.C. Roy Engineering College)

04	R-02-2021/ECE/1062	Joyanto Roychoudhary	Dr. Koushik Dutta (Netaji Subhash Engineering College)
05	R-02-2021/ECE/1060	Somnath Bhattacharyya	Dr. Swarup Kumar Mitra (MCKV Institute of Engineering)
06	R-01-2021/ELE/1048	Poulomi Ganguly	Dr Surajit Chattopadhyay (Ghani Khan Choudhury Institute of Engineering and Technology)
07	R-04-2021/ECE/1066	Sourav Bhattacharyya	Dr. Aritra Bhowmik (Dr. B.C.Roy Engineering College Durgapur) Dr Karunamoy Chatterjee (Bankura Unnayani Institute Of Engineering)
08	R-04-2021/ECE/1064	Debraj Modak	Dr. Indranath Sarkar (JIS College Of Engineering, Kalyani) Dr Karabi Ganguli (JIS College Of Engineering, Kalyani) Dr. Moumita Mukherjee (Adamas University)
09	R-04-2021/ECE/1065	Amrita Banerjee	Dr. Sunipa Roy (Guru Nanak Institute Of Technology) Dr. Gargi Chakraborty (Future Institute of Engineering and Management)
10	R-07-2021/ECE/1067	Saunak Bhattacharya	Prof. Angsuman Sarkar ((Kalyani Government Engineering College, Kalyani, Nadia) Dr. Moumita Mukherjee (Adamas University)

Disciplines : Mechanical & Production Engineering (MPE)

SL NO.	APPLICATION NO.	NAME OF THE CANDIDATE	SUPERVISOR(s)
01	R-03-2021/MPE/1021	Madhab Chandra Mandal	Dr. Amitava Ray (Jalpaiguri Government Engineering College) Dr. Nripen Mondal (Jalpaiguri Government Engineering College)
02	R-09-2020/MPE/1015	Sujoy Kar	Dr. Manoj Kundu (Dr. B.C.Roy Engineering College)
03	R-07-2021/MPE/1028	Arindam Banerjee	Dr. Manoj Kundu (Dr. B.C.Roy Engineering College)
04	R-01-2021/MPE/1016	Geetika Kumari Salwan	Dr. Rayapati Subbarao (NITTTR, Kolkata) Dr. Subrata Mondal (NITTTR, Kolkata)
05	R-05-2021/MPE/1025	Sayon Dey	Dr. Rayapati Subbarao

			(NITTTR, Kolkata)
06	R-01-2020/MECHANICAL ENGINEERING/1013	Soumojit Dasgupta	Dr. Santanu Das (Kalyani Government Engineering College, Kalyani, Nadia) Dr. Prosenjit Das
07	R-01-2021/MPE/1017	Prabir Namhata	Dr. Sukanta Kumar Naskar (NITTTR, Kolkata) Dr. Sushovan Chatterjee (Cooch Behar Government Engineering College)
08	R-01-2021/MPE/1019	Sourav Bhattacharjee	Dr. Sukanta Kumar Naskar (NITTTR, Kolkata)
09	R-04-2021/MPE/1024	Sandeep Kumar	Dr. Sukanta Kumar Naskar (NITTTR, Kolkata) Dr. Nilkanta Barman (GKCIET, Malda)

Disciplines : Information Technology (ITC)

SL NO.	APPLICATION NO.	NAME OF THE CANDIDATE	SUPERVISOR(s)
01	R-10-2020/CSE/1076	Chanchal Patra	Dr. Debasis Giri (MAKAUT, WB)
02	R-01-2021/ITC/1002	Shreyasi Bhattacharya	Dr. Anirban Mukherjee (RCC Institute of Information Technology)
03	R-01-2021/CSE/1100	Basabdatta Chakraborty	Dr. Abhijit Das (RCC Institute of Information Technology)
04	R-12-2020/ELE/1044	Bimal Pal	Prof Krishnendu Chakrabarty (Govt. College of Engineering and Ceramic Technology)
05	R-01-2020/CSE-IT/1049	Anindita Das Bhattacharjee	Dr Somdatta Chakravorty (MAKAUT, WB)

Disciplines : Applied Mathematics (AMT)

SL NO.	APPLICATION NO.	NAME OF THE CANDIDATE	SUPERVISOR(s)
01	R-02-2021/AMT/1012	Rakibul Haque	Dr. Sankar Prasad Mondal (MAKAUT, WB)
02	R-03-2021/AMT/1013	Uttam Biswas	Dr. Atreyee Biswas (MAKAUT, WB)

03	R-05-2021/AMT/1018	Mrinmoy Dam	Dr. Debasish Majumder (JIS College Of Engineering)
04	R-04-2021/AMT/1014	Trishit Banerjee	Dr. Atreyee Biswas (MAKAUT, WB)
05	R-04-2021/AMT/1016	Surath Roy	Dr. Sharmistha Ghosh (Institute of Engineering and Management)
06	R-04-2021/AMT/1017	Rimpa Samanta	Dr. Sharmistha Ghosh (Institute of Engineering and Management)
07	R-04-2021/AMT/1015	Doyel Sarkar	Dr. Sharmistha Ghosh (Institute of Engineering and Management)
08	R-07-2021/AMT/1020	Kamal Hossain Gazi	Dr. Sankar Prasad Mondal (MAKAUT, WB) Dr. Arijit Ghosh (St. Xaviears College)

Disciplines : Applied Chemistry (ACH)

SL NO.	APPLICATION NO.	NAME OF THE CANDIDATE	SUPERVISOR(s)
01	R-12-2020/ACH/1001	Swapan Sinha	Dr. Santanab Giri (Haldia Institute of Technology)
02	R-04-2021/ACH/1002	Sayantika Bhakta	Dr. Tapas Ghosh (MAKAUT, WB)

Sd/-
Registrar
MAKAUT, WB.




NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR

Mahatma Gandhi Avenue, Durgapur - 713 209, INDIA

CERTIFICATE OF REGISTRATION

This is to certify that **RABEL GUHARROY** son/daughter of **BABLU GUHARROY** has been registered for his/her **PhD Degree** from this Institute and his/her Registration Number is **21RCS025**. This registration will remain valid for a period of **five years** from **28.01.2021**.

Date: **31.03.2021**
Durgapur


Dean (Academic Research)

National Institute of Technology Durgapur
Mahatma Gandhi Avenue, Durgapur-713209, West Bengal, INDIA


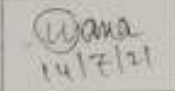
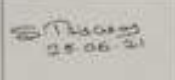

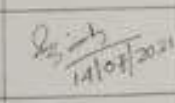

FORMATION OF DOCTORAL SCRUTINY COMMITTEE (DSC)
(to be submitted within one month of admission to the programme)

Department of Computer Science and Engineering

The DSC is hereby constituted for the doctoral study of the following scholar:

Name of the Scholar: Rabel Guharoy

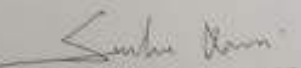
Roll No.: 18CS1510

Sl No	Norm	Name	Dept./ Organization	Signature
1	Chairperson (DRPC)	HOD (ex-officio) Prof. Subrata nandi	Dept. of CSE NIT Durgapur	
2	MEMBER Concerned supervisor(s) for the research scholar	i) Dr. Nanda Dulal Jana	Dept. of CSE NIT Durgapur	 14/7/21
		ii) Dr. Suparna Bhowmik	Dept. of ECE GNIT, Sodepur	 25.06.21
3	MEMBER Two faculty members of the department having Ph.D. degree [if not available, faculty member(s) from other department(s) with Ph.D. degree]	i) Dr. Debasis Mitra	Dept. of CSE NIT Durgapur	
		ii) Dr. Sajal Mukhopadhyay	Dept. of CSE NIT Durgapur	 14/07/2021
4	MEMBER One faculty member of any other department of the Institute having Ph.D. degree (Nominated by the Senate)	i) Prof. Rajat Mahapatra	Dept. of ECE NIT Durgapur	 14/7/21

Certified that one of the supervisors is supervising more than 5 Ph.D. Scholars at present.
[Please attach the CV, consent letter and NOC of the employer from the supervisor, if s/he is not a faculty member of NIT Durgapur. NOC is not required if the supervisor belongs to an institution/organization having MoU with NIT Durgapur]

Date: 14/07/2021


Dean (Acad) / Associate Dean (A&E)


Signature of Chairperson, DSC



MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

(FORMERLY KNOWN AS WEST BENGAL UNIVERSITY OF TECHNOLOGY)

Main Campus : Haringhata, Nadia, Pin-741 249

Kolkata Campus : BF-142, SECTOR-I, SALT LAKE CITY, KOLKATA-700 064, (INDIA)

Website : www.makautwb.ac.in

Ref. No. :

Date :

Dt: 22.11.2021

Enrollment Certificate for the PhD Program

This is to certify that Mr./Ms. Sayani Chandra has been enrolled as a provisional Ph.D scholar in Computer Science & Engineering discipline.

Enrollment number : PHD/TECH/CSE030/2021

Date of enrollment : 18.11.2021

Validity : Two years from date of enrollment.

Name of Supervisor : Dr. Sangeeta Bhattacharya

(Dr. Partha Pratim Lahiri)
Registrar



MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

(FORMERLY KNOWN AS WEST BENGAL UNIVERSITY OF TECHNOLOGY)

Main Campus : Haringhata, Nadia, Pin-741 249

Kolkata Campus : BF-142, SECTOR-I, SALT LAKE CITY, KOLKATA-700 064, (INDIA)

Website : www.makautwb.ac.in

Ref. No. :

Date :

Dt: 22.11.2021

Enrollment Certificate for the PhD Program

This is to certify that Mr./Ms. Nilanjana Adhikari has been enrolled as a provisional Ph.D scholar in Computer Science & Engineering discipline.

Enrollment number : PHD/TECH/CSE028/2021

Date of enrollment : 18.11.2021

Validity : Two years from date of enrollment.

Name of Supervisor : Dr. Suman Bhattacharya

Name of Co-Supervisor : Dr. Mahamuda Sultana

Dr. Partha Pratim Lahiri

(Dr. Partha Pratim Lahiri)
Registrar

ECE005/2013

Maulana Abul Kalam Azad University of Technology, West Bengal
(Formerly known as West Bengal University of Technology)

MAULANA ABUL KALAM AZAD
UNIVERSITY OF TECHNOLOGY,
WEST BENGAL



REGISTRATION CERTIFICATE

To:

ANURIMA MAJUMDAR
CHAKDAH PEARA BAGAN,
PURBA PUTIARY,
KOLKATA- 700093, WB.

Dear Sir/Madam,

I am glad to inform you that you have been granted registration for Ph. D programme under this University in **ELECTRONICS & COMMUNICATION ENGINEERING** for the Degree of Doctor of Philosophy (Ph. D.).

Your Registration No. **PhD/Tech/ECE005/2013** is with effect from **17/07/2013**.

This registration shall remain valid for five years with effect from the date of registration as indicated above.

Title of the Thesis

**ANALYSIS AND DESIGN OF DUAL
POLARIZED MICROSTRIP
BROADBAND ANTENNA**

Prof. (Dr.) Annapurna Das
(Supervisor)

Prof. Sisir Kr. Das
(Joint Supervisor)

(Associate Supervisor)

Yours faithfully,

Registrar

July 15, 2015

Maulana Abul Kalam Azad University of Technology, West Bengal
BF -142, Sector 1, Salt Lake, Kolkata - 700064

This Registration Certificate will be deemed cancelled if any case of ineligibility is detected.

ECE006/2013

Maulana Abul Kalam Azad University of Technology, West Bengal
(Formerly known as West Bengal University of Technology)

MAULANA ABUL KALAM AZAD
UNIVERSITY OF TECHNOLOGY,
WEST BENGAL



REGISTRATION CERTIFICATE

To:

ANTARA GHOSAL
B-5 PRANTIKA, GARIA,
KOLKATA- 700084.

Dear Sir/Madam,

I am glad to inform you that you have been granted registration for Ph. D programme under this University in **ELECTRONICS & COMMUNICATION ENGINEERING** for the Degree of Doctor of Philosophy (Ph. D.).

Your Registration No. **PhD/Tech/ECE006/2013** is with effect from **17/07/2013**.

This registration shall remain valid for five years with effect from the date of registration as indicated above.

Title of the Thesis

**ANALYSIS AND DESIGN OF
MULTIBAND MICROSTRIP ANTENNA
FOR MOBILE HANDSET**

Prof. Sisir Kumar Das
(Supervisor)

Prof. (Dr.) Annapurna Das
(Joint Supervisor)

(Associate Supervisor)

Yours faithfully,

July 15, 2015

Registrar

Maulana Abul Kalam Azad University of Technology, West Bengal
BF -142, Sector 1, Salt Lake, Kolkata - 700064

This Registration Certificate will be deemed cancelled if any case of ineligibility is detected.



MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

(FORMERLY KNOWN AS WEST BENGAL UNIVERSITY OF TECHNOLOGY)

Main Campus : NH-12, SIMHAT, HARINGHATA, NADIA, PIN-741249

Kolkata Campus : BF-142, SECTOR-I, SALT LAKE CITY, KOLKATA - 700 064, INDIA

www.wbut.ac.in

Ref. No. :

Date :

Dt: 23/11/2020

Enrollment Certificate for the PhD Program

This is to certify that Mr./Ms. Rikta Majumder has been enrolled as a provisional Ph.D scholar in Electrical Engineering discipline.

Enrollment number : PHD/TECH/ELE007/2020

Date of enrollment : 05.10.2020.

Validity : Two years from date of enrollment.

Name of Supervisor : Prof. J K Das

Name of Co-supervisor : Dr. Debasree Saha

Dehmi
23/11/2020

(Dr. Partha Pratim Lahiri)
Registrar

REGISTRAR
Maulana Abul Kalam Azad University of Technology, West Bengal
(Formerly Known as West Bengal University of Technology)
Kolkata - 700 064