

## DVV Clarifications

### Metrics Level Deviations

|       |  |   |
|-------|--|---|
| 3.2.3 | <b>Percentage of teachers recognised as research guides</b><br><br>3.2.3.1. <b>Number of teachers recognized as research guides</b><br><br>HEI Input :<br>28 | Provide Photocopies of letters from the University indicating the name of the Guide / co-guide recognized<br>Provide Data pertaining only to teachers of the Institution during the assessment period for year 2020-21. |
|-------|--|---|

### Supporting Documents:

**Photocopies of letters from the University indicating the name of the Guide / co-guide recognized, data pertaining only to teachers of the Institution during the assessment period for year 2020-21.**

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



**REGISTRATION CERTIFICATE**

This is to certify that Shri/Smt. **SUDIP KUILA** has been granted registration for Ph.D. program in AEIE.

Details of registration are :

**Ph.D. Registration no.:** PhD/Tech/AEIE007/2020

**Date of Enrollment** : 20-01-2020

**Title of the thesis** : Development and Characterization of Clinically Agreeable Exhaled Breath Sensors for Assessing Asthma and Diabetes.

**Supervisor** : **Dr.Surajit Bagchi**

**Co-Supervisor 01** : None

**Co-Supervisor 02** : None

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

*Rahim*  
24/12/2020

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Registrar



# AMITY UNIVERSITY

MADHYA PRADESH

*Established vide Government of Madhya Pradesh Act No. 27 of 2010*

Ref. AUMP/ASET/CSE/RG/2021/93

Date: 08-July-2021

To

**Dr. Anindita Kundu**

Assistant Professor,

Department of Computer Science & Engineering

Heritage Institute of Technology, Kolkata

Dear Madam,

Warm Greetings from Amity University Madhya Pradesh. We hope that you and your family are safe in these unprecedented times.

On behalf of Amity University Madhya Pradesh, I am pleased to inform you that as per your consent letter, departmental research committee has approved your name as co-supervisor of Mr. Somenath Sengupta (Enrolment No: A60236420023), part time research scholar of our department since August 2020. This approval is only for his candidature till he completes his research in our University.

We sincerely hope that your association with us will help our scholar to pursue his research under your guidance and support.

**Dr. Subhrendu Guha Neogi**

Associate Professor, Dept. of CSE,

Amity School of Engineering & Technology

Amity University Madhya Pradesh





# MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

(FORMERLY KNOWN AS WEST BENGAL UNIVERSITY OF TECHNOLOGY)

Main Campus : Haringhata, Nadia, Pin-741249

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

Website : [www.wbut.ac.in](http://www.wbut.ac.in)

Ref. No. :

Date :

Dt: 23/11/2020

## Enrollment Certificate for the PhD Program

This is to certify that Mr./Ms. Subhadeep Mondal has been enrolled as a provisional Ph.D scholar in Civil Engineering discipline.

Enrollment number : PHD/TECH/CIE005/2020

Date of enrollment : 05.10.2020

Validity : Two years from date of enrollment.

Name of Supervisor : Prof. Tapas Sadhu

*Lahiri*  
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



# MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

(FORMERLY KNOWN AS WEST BENGAL UNIVERSITY OF TECHNOLOGY)

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

Website : [www.wbut.ac.in](http://www.wbut.ac.in)

Ref. No. :

Date :

Dt: 19/11/2019

## Enrollment Certificate

This is to certify that Sri. / Smt. **Sonali Hazra Das** has been enrolled as a Probationary Ph.D Student under Maulana Abul Kalam Azad University of Technology, West Bengal in **Biotechnology**.

His / Her enrollment number is **PhD/Tech/BT034/2019** and is valid for two years counting from **13.11.2019**. 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.

*Partha Pratim Lahiri* 19.11.19

(Dr. Partha Pratim Lahiri)  
Registrar

Copy forwarded for information:-

1. The Candidate
2. Dr. Srabanti Basu, Supervisor
3. Dr. Bhaswati Chakraborty, Joint Supervisor
4. Dr. Sudipta Dey Bandyopadhyay, Associate Supervisor
5. O/C

*Partha Pratim Lahiri*  
Registrar  
Maulana Abul Kalam Azad University  
of Technology, West Bengal  
(Formerly West Bengal University of Technology)  
Haringhata, Nadia-741 249





# MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

(FORMERLY KNOWN AS WEST BENGAL UNIVERSITY OF TECHNOLOGY)

Main Campus : Haringhata, Nadia, Pin-741249

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

Website : [www.wbut.ac.in](http://www.wbut.ac.in)

Ref. No. :

Date :

Dt: 19/11/2019

## Enrollment Certificate

This is to certify that Sri. / Smt. **Sonali Hazra Das** has been enrolled as a Probationary Ph.D Student under Maulana Abul Kalam Azad University of Technology, West Bengal in **Biotechnology**.

His / Her enrollment number is **PhD/Tech/BT034/2019** and is valid for two years counting from **13.11.2019**. 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.

*Partha Pratim Lahiri* 19.11.19

(Dr. Partha Pratim Lahiri)  
Registrar

Copy forwarded for information:-

1. The Candidate
2. Dr. Srabanti Basu, Supervisor
3. Dr. Bhaswati Chakraborty, Joint Supervisor
4. **Dr. Sudipta Dey Bandyopadhyay, Associate Supervisor**
5. O/C

*Partha Pratim Lahiri*  
Registrar  
Maulana Abul Kalam Azad University  
of Technology, West Bengal  
(Formerly West Bengal University of Technology)  
Haringhata, Nadia-741 249

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



**REGISTRATION CERTIFICATE**

This is to certify that Shri/Smt. **INDRAJIT NASKAR** has been granted registration for Ph.D. program in **Applied Electronics & Instrumentation Engineering(AEIE)**.

Details of registration are :

**Ph.D. Registration no.** : PhD/Tech/AEIE004/2018

**Date of Enrollment** : 28.09.18

**Title of the thesis** : DESIGN OF EFFECTIVE SELF TUNING SCHEME AND EXTROCTION OF CONCISE RULES FOR FUZZY CONTROLLER OF NON LINEAR SYSTEM.

**Supervisor** : Dr. Arabinda Kumar Pal

**Joint Supervisor** : Dr. Nandan Kumar Jana

**Associate Supervisor** : None

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

*Dehvi*  
14.2.2020

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Registrar

# যাদবপুর বিশ্ববিদ্যালয়

PRINCIPAL SECRETARY  
FACULTY OF ENGINEERING & TECHNOLOGY



\*JADAVPUR UNIVERSITY  
KOLKATA-700 032, INDIA

Ref. No. ৯-৭/৫/২০/২০

Date: November 18, 2020

২৫

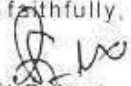
To,  
**Dr. Avijit Ghosh,**  
Assistant Professor,  
Chemical Engineering Department,  
Heritage Institute of Technology,  
994 Madurdaha, Anandapur,  
Kolkata - 700 107

Dear Sir,

I am hereby to inform you that the Doctorate Committee (Engg. /Pharm.) in its meeting held on 14.02.2020 was resolved, vide Res. No. '6' (d), to appoint you as the **Joint Supervisor** of Sri Avijit Routh along with Prof. Mehabub Rahaman, Chemical Engineering Department, J.U.

Thanking you,

Yours faithfully,

  
Samit Pahari  
Secretary, F.E.T.

Copy: Records - 2.

Secretary, FET (File No. 25/18/E)  
(Vide D.C. Res. No. 6 (d) dt. 14.02.2020)

Supervisor/s: Dr. Mehabub Rahaman,  
Chemical Engineering Department, J.U.,  
Kolkata - 700 032

Sri. Avijit Routh,  
Barmanikpur, Nagarchak  
Paschim Midnapore,  
PIN - 721 101



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



**REGISTRATION CERTIFICATE**

This is to certify that Shri/Smt. **INDRAJIT NASKAR** has been granted registration for Ph.D. program in **Applied Electronics & Instrumentation Engineering(AEIE)**.

Details of registration are :

**Ph.D. Registration no.** : PhD/Tech/AEIE004/2018

**Date of Enrollment** : 28.09.18

**Title of the thesis** : DESIGN OF EFFECTIVE SELF TUNING SCHEME AND EXTROCTION OF CONCISE RULES FOR FUZZY CONTROLLER OF NON LINEAR SYSTEM.

**Supervisor** : Dr. Arabinda Kumar Pal

**Joint Supervisor** : Dr. Nandan Kumar Jana

**Associate Supervisor** : None

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

*Dehni*  
14.2.2020

-----  
Registrar



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

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Main Campus : Haringhata, Nadia, Pin-741249

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

Website : [www.wbut.ac.in](http://www.wbut.ac.in)

Dt: 21/06/2018  
Date:

Ref. No. :

## Enrollment Certificate

*This is to certify that Sri. / Smt. **Biswajit Maity** has been enrolled as a Probationary Ph.D Student under Maulana Abul Kalam Azad University of Technology, West Bengal in **Chemical Engineering**.*

*His / Her enrollment number is **PhD/Tech/CHE001/2018** and is valid for two years counting from **21.06.2018**. 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.*

(Dr. Indranil Mukherjee)  
Registrar (Actg.)  
Registrar (Acting)  
Maulana Abul Kalam Azad University  
of Technology, West Bengal  
Haringhata, P.O.-Simhat, Pin-741249

Copy forwarded for information:-

1. The Candidate
2. Dr. Biswajit Mondal, Supervisor
3. Dr. Sunil Baran Kuila, Joint Supervisor
4. **Dr. Avijit Ghosh, Associate Supervisor**
5. O/C

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



**REGISTRATION CERTIFICATE**

This is to certify that Shri/Smt. **SUDIPTA ROY** has been granted registration for Ph.D. program in **Mathematics**.

Details of registration are :

**Ph.D. Registration no.** : PhD/Science/Math008/2018

**Date of Enrollment** : 07.06.18

**Title of the thesis** : SOME CONTRIBUTIONS ON VECTOR VARIATIONAL INEQUALITIES AND VECTOR OPTIMIZATION PROBLEMS UNDER THE GENERALIZED CONVEXITY ASSUMPTIONS

**Supervisor** : Dr. Sandip Chatterjee

**Joint Supervisor** : None

**Associate Supervisor** : None

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

*Rehmi 28.1.2020*

Registrar



# যাদবপুর বিশ্ববিদ্যালয়



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

JADAVPUR UNIVERSITY  
KOLKATA-700 032, INDIA

Ref No D-7/E/562/17

Date July 26, 2017

০২.০৮.

To  
Ankush Chattopadhyay,  
49, S. K. Deb Road,  
"Annapurna" Apt.  
Block - B, Flat - 17,  
Kolkata - 700 048

## 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: "STUDY OF ANALOG/RF PERFORMANCES AND LINEARITY, HARMONIC DISTORTION ANALYSIS OF FETs BEYOND SUB-22 NANOMETER TECHNOLOGY NODE FOR SOC APPLICATIONS".

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](http://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.

You are informing to bring the following documents at the time of deposition of Ph.D. programme fee.

1. Original Migration Certificate.

( Dr B Karmakar )  
Principal Secretary, FET

Copy : Secretary, FET (vide Res. No. A (23) of D.C meeting. Dt. 21.06.17)

Records - 2

Supervisor/s - Prof. Chandan Kumar Sarkar,  
E.T.C.E. Department, J.U.

Prof. Chayanika Bose,  
E.T.C.E. Department, J.U.

**Dr. Atanu Kundu,**

Dept. of Electronics & Communication Engg.,  
Heritage Institute of Technology, Kolkata - 700 107

Sm



BT019/2016

**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:

**PLABAN CHAUDHURI**

UPL 010201, UPOHAR, 2052 CHAK,

GARIA, KOLKATA – 700094.

Dear Sir/Madam,

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

Your Registration No. **PhD/Tech/BT019/2016** is with effect from **31/08/2016**.

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

**Title of the Thesis**

**PREVALENCE OF METABOLIC SYNDROME  
AMONG THE OBSTETRIC POPULATION AND  
THE BIRTH OUTCOMES IN KOLKATA, INDIA**

**Dr. Riddhi Goswami**

(Supervisor)

(Joint Supervisor)

(Associate Supervisor)

Yours faithfully,

February 16, 2018

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.*

Asside  
23.6.2016  
11.00 AM

INDIAN SCHOOL OF MINES, DHANBAD  
Admn. Deptt; Academic Section

No.633017/EE/Acad/2016

Dated: 22.06.2016

To,  
Ms Priyadarshiny Dhar  
GD-40, Rajdanga Main Road,  
Kolkata - 700 107

**Sub: Registration as Part time Research Scholar for Ph.D Programme.**

This has reference to your application dated 25.04.2016 for Part Time Research Scholar; I am directed to inform you that on the basis of recommendation of DSC meeting held on 10.06.2016, the Competent authority has approved your Ph.D Registration as a Part Time Research Scholar in the Dept. of Electrical Engineering w.e.f 25.04.2016, subject to ratification in the next Academic Council Meeting as per details given below:

- 1. Topic of Research: "Current Methods in Bio-electrical Signal Classification"**
- 2. Name of Guide(s):** Dr V Mukherjee, Assistant Professor, Electrical Engineering  
Ext.Guide: Dr Saibal Dutta, Associate Professor, Kolkata
- 3.** To get yourself registered for the programme, you are advised to pay Rs.20000/- (including one time charges Rs. 1400/-, yearly fees Rs.13, 600/- refundable caution money Rs.5000/-). The fee is to be paid by demand draft drawn in favour of the Registrar, Indian School of Mines, Dhanbad payable at State Bank of India, ISM Campus Branch (Code No.1641) within 30 days of issue of this letter. The fees of for the subsequent years should be paid during the month of **April** every year (Rs, 13,600/-).
- 4.** You have to clear the following two Postgraduate courses with minimum C Grade within two years from the date of confirmation of registration. According to Rule 3(d) (General Guidelines), if you fail to obtain minimum of C grade in any course within the stipulated period your registration will stand cancelled

| SNo. | Subject Code | Subject Name                         |
|------|--------------|--------------------------------------|
| 1.   | MSC 41000    | Research Methodology & Statistics    |
| 2.   | HSC 61153    | Research and Technical Communication |
- 5.** You are also required to submit Annual Progress report through your internal guide/External guide to the undersigned at the end of each year, failing which your registration will be cancelled.
- 6. Please bring with you all original certificates for verification in original.**

  
Assistant Registrar  
(Exam&Acad)

CC: HOD (EE)

✓ Dr V Mukherjee, Guide, Electrical Engineering  
Dr Saibal Dutta, Ext Guide Dept. of Electrical Engineering, HIT, Kolkata



BT014/2016

**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:

**RIMASHREE BAISHYA**

H.NO.- 52, BHAGADUTTAPUR,  
GAROKUCHI PATH, BELTOLA,  
GUWAHATI - 781028. ASSAM.

Dear Sir/Madam,

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

Your Registration No. **PhD/Tech/BT014/2016** is with effect from **18/01/2016**.

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

**Title of the Thesis**

**ANTI-BIOFILM ACTIVITY INVESTIGATIONS OF  
SOME COMMONLY USED PLANTS ON  
BIOFILM PRODUCING BACTERIA**

**Dr. Soma Banerjee**  
(Supervisor)

(Joint Supervisor)

**Dr. Dipankar Chaudhuri**  
(Associate Supervisor)

Yours faithfully,

November 29, 2016

**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.*

# যাদবপুর বিশ্ববিদ্যালয়



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

\*JADAVPUR UNIVERSITY  
KOLKATA-700 032, INDIA

Ref. No. D-7/E/312/16  
Date: April 22, 2016

To  
Ankita Mazumder,  
Trayee Apartment (1<sup>st</sup> Floor),  
Modern Park, 20 – B Central Road,  
(Near Kadamtala Rickshaw Stand),  
Santoshpur,  
Kolkata – 700 075

## 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. 14000/- (Rupees Fourteen thousand only) payable in three semi annual installments (5,000/- + 5,000/- + 4,000/-). 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: "STUDIES ON ADVANCED OILY WASTEWATER TREATMENT PROCESS".

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](http://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.

You are informing to bring the following documents at the time of deposition of Ph.D. programme fee.

1. Original Migration Certificate.

  
( Dr. B. Karmaakar )  
Principal Secretary, FET

Copy : Secretary, FET (vide Res. No. B (22) of D.C meeting. Dt. 27.01.16)  
Records – 2  
Supervisor/s – Prof. Chiranjib Bhattacharjee,  
Chemical Engg. Department, J.U.

**Dr. Dwaipayan Sen,**  
Department of Chemical Engineering,  
Heritage Institute of Technology,  
Kolkata – 700 107

Sm



যাদবপুর বিশ্ববিদ্যালয়

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



\*JADAVPUR UNIVERSITY  
KOLKATA-700 032, INDIA

Ref. No. D-7/E/200/16  
Date: March 16, 2016  
২১

To  
Puja Basu Chaudhuri,  
12/2, Avenue East,  
Modern Park, Santoshpur,  
Kolkata - 700 075

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: **"STATIC AND DYNAMIC BEHAVIOR OF STIFFENED COMPOSITE HYPAR SHELLS WITH CUTOUT"**.

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](http://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 (14) of D.C meeting. Dt. 27.01.16)

Records - 2

Supervisor/s - Dr. Anirban Mitra,  
Mechanical Engg. Department, J.U.

Dr. Sarmila Sahoo,  
Dept. of Civil Engg.,  
Heritage Institute of Technology,  
Kolkata - 700 107

Sm



OFFICE OF THE DEAN (ACADEMIC)  
INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY, SHIBPUR  
(Formerly Bengal Engineering and Science University, Shibpur)  
P.O. Botanic Garden, Shibpur, Howrah - 711103, INDIA

Phone : 033-26684561 Fax : 033 26682916 E-mail : dean.ac@iiests.ac.in Website : http://www.iiests.ac.in

**CERTIFICATE OF REGISTRATION FOR PhD PROGRAMME**

No : R/2015/86

Date :27-10-2015

This is to certify that Mr. SOUVIK BASU is registered under this Institute as per following details:

Name : SOUVIK BASU

Address : 78/1 , N.S.C BOSE ROAD

---

City - KOLKATA

State - W.B

Pin - 700040

Registration No : PhD/R/2015/0086

Date of Registration : 26-03-2015

Faculty : ENGINEERING AND TECHNOLOGY

Department/School/Centre : COMPUTER SCIENCE & TECHNOLOGY

Supervisor(s) :

1 Dr. SIPRA DAS BIT

FLAT F-3,50/A COLLEGE ROAD-B. GARDEN

HOWRAH-WEST BENGAL-711103

2 **Dr. SIULI ROY**

ASSOCIATE PROFESSOR, DEPT.OF MCA-HERITAGE INSTITUTE OF TECHNOLOGY

KOLKATA-700107

Registration Validity : 25-03-2020

( Renewable as per PhD regulation )

*Amit Kumar Das*

Amit Kumar Das  
Dean ( Academic )

27/10/15

No : R/2015/86 ( 7 )

Date :27-10-2015

Copy forwarded for information and necessary action to :

1. Candidate.

2. Supervisor(s)

3. Head of The Department,

COMPUTER SCIENCE & TECHNOLOGY

4. Finance Officer

5. Registrar

BT005/2015

**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:

**BANHISHIKHA SINGH**

KATJURIDANGA,  
TARAGOTI SAMANTA ROAD,  
BANKURA – 722102.

Dear Sir/Madam,

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

Your Registration No. **PhD/Tech/BT005/2015** is with effect from **21/04/2015**.

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

### Title of the Thesis

**AMELIORATIVE EFFECT OF SALT-COMBINATIONS  
ON METAL STRESSED RICE SEEDLINGS**

**Dr. Soma Banerjee**

(Supervisor)

(Joint Supervisor)

(Associate Supervisor)

Yours faithfully,

November 29, 2016

**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.*

### Panel of Experts for Thesis Evaluation

To,  
Dean P.G. Studies,  
Pacific University,  
Udaipur.

Sir,

Please find the Panel of six Experts for Thesis Evaluation Titled "Squamous Cell Carcinoma Detection & Measurement by Image Processing Technique" of (Name of Candidate) Himadri Nath Moudli registered in the Faculty of Engineering Department of Computer Science Engineering

| S.No. | Name of Expert            | Highest Qualification | Designation (Professor/ Associate Professor) | Official Address   | Correspondence Address | Contact No. of Expert (Preferably mobile no.) | E-mail ID of Expert            |
|-------|---------------------------|-----------------------|--|--|------------------------|---|--------------------------------|
| 1.    | Dr. Muneesh Chandra Thedi | Professor             | Professor                                    | Ex Former Professor<br>Computer Science<br>Greater Noida   | Amity University       | 9999013200                                    | muneesh.thedi@gmail.com        |
| 2.    | Dr. Samir Gopal           |                       |  | Faculty of Computer<br>Science & Management, Indus<br>University, Ahmedabad  |                        | 9712902350                                    | Samir.gopal@gmail.com          |
| 3.    | Prof. Neeraj Bhatnagar    |                       |  | Head, Department of<br>Computer Science, School of<br>Engineering & System Sciences,<br>VITS University, Amravati-431001 |                        | 9460527062                                    | dr.neerajbhatnagar@yahoo.co.in |



|    |                       |           |          |   |            |                    |
|----|-----------------------|-----------|----------|---|------------|--------------------|
| 4. | P. V. Vorparua        | Professor | Director | Department of Computer Science, Sardar Patel University, Near Jain Bazar, Vallabh Vidyanagar-388120 | 9426533146 |                    |
| 5. | Dr. Atul M. Goyal     |           |          | Department of Computer Science, Sardar Bhausaheb University, University Road, Rajkot-360005         | 9427236866 |                    |
| 6. | Prof Navken Hemrajani |           | MOD      | MOD-JECRC University, Jaipur  | 9829032657 | navken-h@yahoo.com |

Signature of the Supervisor with seal and Date P. Das, 27.06.18

Name of the Supervisor Dr. Poulami Das

**Note:**

- The Supervisor shall not submit more than two Names of Experts from the same State.
- An Expert suggested by the Supervisor for Evaluation should not be less than an Associate Professor / Reader
- Out of six names minimum three Experts should be designated as Professor.
- The Expert should not be from the Institute / University and Localize where you are working.
- The Name of Experts submitted in the Panel should be from of the University Department / Faculty. (Names of Retired Professors of University Department / Faculty can also be submitted for Thesis Evaluation)



# যাদবপুর বিশ্ববিদ্যালয়

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



\*JADAVPUR UNIVERSITY  
KOLKATA-700 032, INDIA

Ref No

D-7/E/561/14

Date: July 8, 2014

TO

To  
Sri Sabyasachi Chatterjee,  
Electronics and Communication Engineering Dept.,  
Heritage Institute of Technology,  
Chowbaga Road, Anandapur,  
Kolkata - 700 107

## 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: **"Some Studies on Spectrum Sensing & Primary User Detection Techniques for Enhanced Performance of Cognitive Radio Networks"**.

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](http://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.

You are informing to bring the following documents at the time of deposition of Ph.D. programme fee

1. Original Migration Certificate

(Dr. B. Karmakar)  
Principal Secretary, FET

Copy Secretary, FET (vide Res. No. B (11) of D.C meeting, Dt. 29.05.14)

Records - 2

Supervisor/s - Prof. (Dr.) Mita Nasipuri,  
Computer Sc. & Engg. Dept., J.U.

Dr. Prabir Banerjee  
ECE Dept., H.I.T., Kolkata  
Communication Address :  
P 284, C.I.T. Road,  
Scheme No. - IV M; Kolkata  
PIN - 700 054

Sm

\* Established on and from 24<sup>th</sup> December, 1955 vide Notification No.10986-Edn/II-42/55 dated 6<sup>th</sup> December, 1955 under Jadavpur University Act, 1955 (West Bengal Act XXXIII of 1955) followed by Jadavpur University Act, 1981 (West Bengal Act XXIV of 1981)

দূরভাষ: ২৪১৪-৬০০৮/৬৬৬৬, প্রসারণ: ২২১৫/২৪৪০

দূরবাহী: +৯১-৩৩-২৪১৪-৬০০৭

Website: [www.jadavpur.edu](http://www.jadavpur.edu)

E-mail: [secretary\\_fet@admin.jdvu.ac.in](mailto:secretary_fet@admin.jdvu.ac.in)

Phone : 91-33-2414-6008/6666, Ext. : 2215/2446

Fax: 91-33-2414-6007



DR. B. KARMAKAR  
PRINCIPAL SECRETARY



\*JADAVPUR UNIVERSITY  
KOLKATA-700 032, INDIA

FACULTY COUNCIL OF ENGINEERING & TECHNOLOGY

Ref. No. D-7/E/410/14.

Date: May 21, 2014

To  
Sri Pradip Saha,  
4 No. Matrisadan Road,  
P.O. & P.S. - Ashoke Nagar,  
Dist. - 24 Pgs. (N)  
PIN - 743 222

Sub : Ph.D. (Engineering) Registration.

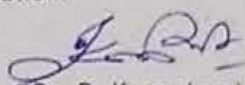
With reference to your application for registration to Ph.D. (Engineering) degree, you are hereby informed that you have been permitted to register your name on payment of requisite Ph.D. Programme fee of **Rs. 22000/-** (Rupees twenty two thousand only) payable in three semi annual installments (8,000/- + 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: **"Efficient Electronic Tongue Signal Processing Techniques for Tea Quality Estimation"**.

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](http://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 (9) of D.C meeting. Dt. 24.03.14)

Records - 2

Supervisor/s -

Dr. Bipan Tudu,  
Dept. of Instrumentation & Electronics Engg, J.U.  
Saltlake, 2<sup>nd</sup> Campus, Kolkata - 700 098

**Dr. Santanu Ghorai,**  
Deptt. Of AEIE,  
Heritage Institute of Technology,  
Kolkata - 700 107

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. **SANTU GUIN** has been granted registration for Ph.D. program in AEIE.

Details of registration are :

**Ph.D. Registration no.:** Ph.D/Tech/AEIE005/2018

**Date of Enrollment** : 09-10-2018

**Title of the thesis** : Design of MEMS Devices for Detection of Common Blood Related Diseases by Sensing Non-biological Parameters.

**Supervisor** : Prof. (Dr.) Madhurima Chattopadhyay

**Joint Supervisor** : None

**Associate Supervisor** : None

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

*Signature*  
24/12/2020

-----  
Registrar



# যাদবপুর বিশ্ববিদ্যালয়



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

JADAVPUR UNIVERSITY  
KOLKATA-700 032, INDIA

Ref. No.

D-7/E/230/17

Date March 20, 2017

২৫

To  
Nilanjana Gangopadhyay,  
Satyam Apartments, 1<sup>st</sup> Floor,  
28A, North Purbachal Kalitala Link Road,  
Kolkata - 700 078

## 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: "ON THE DENSITY OF POINTS IN THE EUCLIDEAN SPACE OF DIFFERENT DIMENSIONS".

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](http://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 (12) of D.C meeting. Dt. 27.09.16)

Records - 2

Supervisor/s - Prof. Suranjan Ghosh,  
Computer Sc. & Engineering Department, J.U.

✓ Prof. Subhashis Majumder,  
Computer Sc. & Engineering Department,  
Heritage Institute of Technology, Kolkata - 700 107

Sm

Established on and from 24<sup>th</sup> December, 1955 vide Notification No.10986-Edn/10-42/55 dated 6<sup>th</sup> December, 1955 under Jadavpur University Act, 1955 (West Bengal Act XXIII of 1955) followed by Jadavpur University Act, 1981 (West Bengal Act XXIV of 1981)

দূরভাষা: ২৪১৪-৩০০৮/৬৬৬৬, ফ্যাক্স: ২২১৫/২৪৪০  
ৱেবসাইট: ৭১১-৩৩-২৪১৪-৩০০৮

Website: [www.jadavpur.edu](http://www.jadavpur.edu)  
E-mail: [secretary\\_fet@admin.jdvu.ac.in](mailto:secretary_fet@admin.jdvu.ac.in)




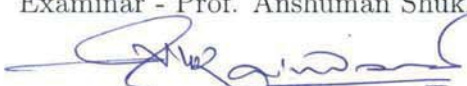

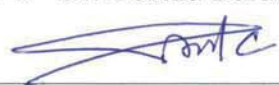
Phone : 91-33-2414-6008/6666, Ext. : 2215/2440  
Fax: 91-33-2414-6007



# Homi Bhabha National Institute

## Recommendations of the Viva Voce Committee

As members of the Viva Voce Committee, we certify that we have read the dissertation prepared by **Anirban De** entitled "**A Novel scheme for DSP based Power Converter Control**" and recommend that it may be accepted as fulfilling the thesis requirement for the award of Degree of Doctor of Philosophy.

|   |            |
|---|------------|
|   | 7/9/2016   |
| Chairman - Dr. D.K. Srivastava  | Date       |
|    | 07/09/2016 |
| Guide/Convener - Dr. Debranjana Sarkar  | Date       |
|    | 07/09/16   |
| Examiner - Prof. Anshuman Shukla  | Date       |
|   | 07/09/2016 |
| Member 1 - Dr. S.V.G. Ravindranath  | Date       |
|  | 07/09/2016 |
| Member 2 - Dr. Partha Barat   | Date       |
|  | 07/9/2016  |
| Technology Adviser - Shri Subimal Saha  | Date       |

Final approval and acceptance of this thesis is contingent upon the candidate's submission of the final copies of the thesis to HBNI.

I hereby certify that I have read this thesis prepared under my direction and recommend that it may be accepted as fulfilling the thesis requirement.

Date: 07/09/2016

Place: Kolkata

  
Guide



**CERTIFICATE OF REGISTRATION FOR PhD PROGRAMME**

No : R/2016/48

Date : 19-05-2016

This is to certify that **Mr. SAYANTANI BHATTACHARYA** is registered under this Institute as per following details

Name : SAYANTANI BHATTACHARYA  
Address : FLAT NO 8/12 M.I.G (U) BIRATI HOUSING ESTATE  
NIMTA  
City - KOLKATA State - W B Pin - 700049

Registration No : PhD/R/2016/0048  
Date of Registration : 30-03-2016  
Faculty : BASIC AND APPLIED SCIENCES  
Department/School/Centre : CHEMISTRY  
Supervisor(s) :

1. **Dr. JAYATI DATTA**  
DEPARTMENT OF CHEMISTRY-IEST, SHIBPUR  
HOWRAH-WEST BENGAL-711103
2. Dr. PARTHA BHATTACHARYA  
DEPT. OF ELECTRONICS & TELECOMM. ENGG., IEST, SHIBPUR---RESI.; - KHUSHIGALI, HALDARPUKUR,  
P.O. BURASHIBTALA  
CHINSURAH-WEST BENGAL-712105

Registration Validity : 29-03-2021  
(Renewable as per PhD regulation)

*Amit Kumar Das*  
Amit Kumar Das  
Dean (Academic)  
19/05/2016

No. R/2016/48 (7).

Date : 19-05-2016

Copy forwarded for information and necessary action to :

1. Candidate
2. Supervisor(s)
3. Head of The Department,  
CHEMISTRY
4. Finance Officer
5. Registrar

Registration extended upto 29.03.2022 DC held on 25.03.2021  
Head : Intimate the Supervisor(s) & Scholar p1.  
*sepuh*  
Dean (Academic) 30/06/2021



# যাদবপুর বিশ্ববিদ্যালয়

PRINCIPAL SECRETARY  
FACULTY OF ENGINEERING & TECHNOLOGY



\*JADAVPUR UNIVERSITY  
KOLKATA-700 032, INDIA

Ref. No. 28-7/E/211/20

Date: November 13, 2020

28

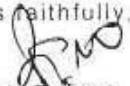
To,  
**Dr. Avijit Ghosh,**  
Assistant Professor,  
Chemical Engineering Department,  
Heritage Institute of Technology,  
994 Madurdaha, Anandapur,  
Kolkata - 700 107

Dear Sir,

I am hereby to inform you that the Doctorate Committee (Engg. /Pharm.) in its meeting held on 14.02.2020 was resolved, vide Res. No. '6' (c), to appoint you as the Joint Supervisor of Sri Sankhadeep Ghosh along with Prof. Mehabub Rahaman, Chemical Engineering Department, J.U.

Thanking you,

Yours faithfully,

  
Samit Pahari  
Secretary, F.E.T.

Copy Records - 2.


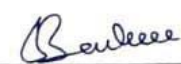



Secretary, FET (File No. 28/18/E)  
(Vide D.C. Res. No. 6 (c) dt. 14.02.2020)

Supervisor/s: **Dr. Mehabub Rahaman,**  
Chemical Engineering Department, J.U.,  
Kolkata - 700 032

Sri. Sankhadeep Ghosh,  
Vill - Basantapur,  
P.O. - Paratal, P.S. - Jamalpur,  
Burdwan East.  
PIN - 713 408

Homi Bhabha National Institute  
Recommendations of the Viva Voce Committee

As members of the Viva Voce Committee, we certify that we have read the dissertation prepared by **Biswajit Sarkar** titled "**Localization of mobile robots in indoor environments using laser range data**" and recommend that it may be accepted as fulfilling the thesis requirement for the award of Degree of Doctor of Philosophy.

|   |            |
|---|------------|
|    | 8/4/2016   |
| Chairman: Prof. D. K. Srivastava  | Date:      |
|    | 05/04/16   |
| Guide/Convener: Prof. Debranjana Sarkar   | Date:      |
|    | 5/4/16     |
| Examiner: Prof. K. Madhava Krishna  | Date:      |
|   | 05-04-2016 |
| Member 1: Prof. Alok Chakrabarti  | Date:      |
|  | 5.4.16     |
| Member 2: Prof. Prabir K. Pal   | Date:      |

Final approval and acceptance of this thesis is contingent upon the candidate's submission of the final copies of the thesis to HBNI.

I hereby certify that I have read this thesis prepared under my direction and recommend that it may be accepted as fulfilling the thesis requirement.

Date: 08/04/2016

Place: Kolkata

  
Guide